

SCHEME OF EXAMINATIONS

Bachelor of Arts

With Effect from the Academic Session 2025-26



**CENTRE FOR DISTANCE AND ONLINE EDUCATION
MAHARSHI DAYANAND UNIVERSITY, ROHTAK**

Semester I

Discipline Specific Courses/ Major Course	Nomenclature of Course	Course Code	Total Credits	Assignment Marks	Term End Examination (Theory Marks)	Total Marks
A) DISCIPLINE SPECIFIC COURSES (DSC) <i>(The students shall select any three discipline specific courses from the following four groups but not more than one subject from each such group without repetition of any subject)</i>						
Group I						
DSC	<u>English</u> Introduction to British Poetry (Chaucer to Donne)	25ENGM401DS01OD	4	30	70	100
DSC	<u>Hindi</u> हिंदी साहित्य का इतिहास	25HNDM401DS01OD	4	30	70	100
DSC	<u>Sanskrit</u> संस्कृत I	25SKTM401DS01OD	4	30	70	100
DSC	<u>Economics</u> Micro Economics I	25ECOM401DS01OD	4	30	70	100
Group II						
DSC	<u>English</u> Introduction to British Poetry (Chaucer to Donne)	25ENGM401DS01OD	4	30	70	100
DSC	<u>Hindi</u> हिंदी साहित्य का इतिहास	25HNDM401DS01OD	4	30	70	100
DSC	<u>Mathematics</u> Functions and Algebra	25MATM401DS01OD	4	30	70	100
DSC	<u>Public Administration</u> Elements of Public Administration-I	25PUBM401DS01OD	4	30	70	100
Group III						
DSC	<u>English</u> Introduction to British Poetry (Chaucer to Donne)	25ENGM401DS01OD	4	30	70	100
DSC	<u>Hindi</u> हिंदी साहित्य का इतिहास	25HNDM401DS01OD	4	30	70	100
DSC	<u>Political Science</u> Indian Constitution	25POLM401DS01OD	4	30	70	100
Group IV						
DSC	<u>English</u> Introduction to British Poetry (Chaucer to Donne)	25ENGM401DS01OD	4	30	70	100
DSC	<u>Hindi</u> हिंदी साहित्य का इतिहास	25HNDM401DS01OD	4	30	70	100
DSC	<u>History</u> Ancient History of India	25HISM401DS01OD	4	30	70	100

Discipline Specific Courses/ Major Course	Nomenclature of Course	Course Code	Total Credits	Assignment Marks	Term End Examination (Theory Marks)	Total Marks
B1) MINOR COURSES (MIC) (Any one of the following other than that of the disciplines selected as above. <i>The students, while exercising the option of selecting the Minor Course (MIC), should keep in mind that they are required to study the Minor Courses in the same discipline in the subsequent semesters as well, wherever offered.</i>)						
MIC 1	<u>English</u> English Prose and Poetry – I	25ENG401MI01OD	4	30	70	100
MIC 1	<u>Hindi</u> हिंदी भाषा और साहित्य का इतिहास – 1	25HND501MI01OD	4	30	70	100
MIC 1	<u>Mathematics</u> Basic Mathematics	25MAT401MI01OD	4	30	70	100
MIC 1	<u>Sanskrit</u> संस्कृत – 1	25SKT401MI01OD	4	30	70	100
MIC 1	<u>Economics</u> Basics of Economics	25ECO401MI01OD	4	30	70	100
MIC 1	<u>Public Administration</u> Introduction to Public Administration	25PUB401MI01OD	4	30	70	100
MIC 1	<u>Political Science</u> Social Movements in India	25POL401MI01OD	4	30	70	100
MIC 1	<u>History</u> Science and Technology in India (Earliest Times to 1757CE)	25HIS401MI01OD	4	30	70	100
B2) SKILL ENHANCEMENT COURSES (SEC) (Any one of the following but related to the selected discipline specific or minor courses)						
SEC1	<u>Hindi</u> भाषाई दक्षता	25HND401SE01OD	3	25	50	75
SEC1	<u>English</u> Basics of Communication and Soft Skills	25ENG401SE01OD	3	25	50	75
SEC1	<u>Sanskrit</u> वैदिक यज्ञ पद्धति	25SKT401SE01OD	3	25	50	75
SEC1	<u>History</u> History & Tourism	25HIS401SE01OD	3	25	50	75
SEC1	<u>Public Administration</u> Digital Technology in Governance	25PUB401SE01OD	3	25	50	75
SEC1	<u>Political Science</u> Disaster Management	25POL401SE01OD	3	25	50	75
SEC1	<u>Mathematics</u> Mathematical Programming in C & Numerical Methods	25MAT401SE01OD	3	25	50	75

Discipline Specific Courses/ Major Course	Nomenclature of Course	Course Code	Total Credits	Assignment Marks	Term End Examination (Theory Marks)	Total Marks
SEC1	<u>Economics</u> Data Types & Sources	25ECO401SE01OD	3	25	50	75
C) ABILITY ENHANCEMENT COURSE (AEC)						
AEC1	English – I	25ENGX01AE01OD	2	15	35	50
D) MULTIDISCIPLINARY COURSES (MDC) (Any One of the following courses but beyond disciplines of DSC and MIC and also that which the students have not studied at their Senior Secondary Level (10+2 or equivalent))						
MDC1	<u>English</u> Introduction to Short Story and Basic Grammar	25ENGX01MD01OD	3	25	50	75
MDC1	<u>Hindi</u> हिंदी भाषा का व्यवहारिक व्याकरण – 1	25HNDX01MD01OD	3	25	50	75
MDC1	<u>Sanskrit</u> Indian Aesthetics भारतीय सौन्दर्य शास्त्र	25SKTX01MD01OD	3	25	50	75
MDC1	<u>Mathematics</u> Introductory Mathematics	25MATX01MD01OD	3	25	50	75
MDC1	<u>History</u> Man in Stone Age	25HISX01MD01OD	3	25	50	75
MDC1	<u>Political Science</u> Indian Constitution: Key Debates	25POLX01MD01OD	3	25	50	75
MDC1	<u>Public Administration</u> Fundamentals of Public Administration	25PUBX01MD01OD	3	25	50	75
MDC1	<u>Economics</u> Fundamental of Economics	25ECOX01MD01OD	3	25	50	75
E) VALUE ADDED COURSE (VAC)						
VAC 1	Digital and Technological Solutions	25CSAX01VA01OD	2	15	35	50

Semester II

Discipline Specific Courses/ Major Course	Nomenclature of Course	Course Code	Total Credits	Assignment Marks	Term End Examination (Theory Marks)	Total Marks
A) DISCIPLINE SPECIFIC COURSES (DSC) <i>(The students shall select any three discipline specific courses from the following four groups but not more than one subject from each such group without repetition of any subject)</i>						
Group I						
DSC	<u>English</u> Introduction to British Prose (Bacon to Lamb)	25ENGM402DS01OD	4	30	70	100
DSC	<u>Hindi</u> राजभाषा और राष्ट्रभाषा के रूप में हिंदी	25HNDM402DS01OD	4	30	70	100
DSC	<u>Sanskrit</u> संस्कृत II	25SKTM402DS01OD	4	30	70	100
DSC	<u>Economics</u> Micro Economics II	25ECOM402DS01OD	4	30	70	100
Group II						
DSC	<u>English</u> Introduction to British Prose (Bacon to Lamb)	25ENGM402DS01OD	4	30	70	100
DSC	<u>Hindi</u> राजभाषा और राष्ट्रभाषा के रूप में हिंदी	25HNDM402DS01OD	4	30	70	100
DSC	<u>Mathematics</u> Calculus	25MATM402DS01OD	4	30	70	100
DSC	<u>Public Administration</u> Elements of Public Administration-II	25PUBM402DS01OD	4	30	70	100
Group III						
DSC	<u>English</u> Introduction to British Prose (Bacon to Lamb)	25ENGM402DS01OD	4	30	70	100
DSC	<u>Hindi</u> राजभाषा और राष्ट्रभाषा के रूप में हिंदी	25HNDM402DS01OD	4	30	70	100
DSC	<u>Political Science</u> Indian Politics	25POLM402DS01OD	4	30	70	100
Group IV						
DSC	<u>English</u> Introduction to British Prose (Bacon to Lamb)	25ENGM402DS01OD	4	30	70	100
DSC	<u>Hindi</u> राजभाषा और राष्ट्रभाषा के रूप में हिंदी	25HNDM402DS01OD	4	30	70	100

Discipline Specific Courses/ Major Course	Nomenclature of Course	Course Code	Total Credits	Assignment Marks	Term End Examination (Theory Marks)	Total Marks
DSC	<u>History</u> Medieval History of India	25HISM402DS01OD	4	30	70	100
B) SKILL ENHANCEMENT COURSES (SEC) (Any one of the following but related to the selected discipline specific or minor courses)						
SEC2	<u>Hindi</u> हिन्दी भाषा और विज्ञापन	25HND402SE01OD	3	25	50	75
SEC2	<u>English</u> Basic of Media Skills	25ENG402SE01OD	3	25	50	75
SEC2	<u>Sanskrit</u> संस्कार परिचय	25SKT402SE01OD	3	25	50	75
SEC2	<u>History</u> Archives & Museum	25HIS402SE01OD	3	25	50	75
SEC2	<u>Public Administration</u> Secretarial Practices	25PUB402SE01OD	3	25	50	75
SEC2	<u>Political Science</u> United Nations: An Introduction	25POL402SE01OD	3	25	50	75
SEC2	<u>Mathematics</u> Numerical Analysis	25MAT402SE01OD	3	25	50	75
SEC2	<u>Economics</u> Database of Indian Economy	25ECO402SE01OD	3	25	50	75
C) ABILITY ENHANCEMENT COURSE (AEC)						
AEC2	हिन्दी भाषा संवर्धन सत्र 1	25HNDX01AE01OD	2	15	35	50
D) MULTIDISCIPLINARY COURSES (MDC) (Any One of the following courses but beyond disciplines of DSC and MIC and also that which the students have not studied at their Senior Secondary Level (10+2 or equivalent))						
MDC2	<u>English</u> Introduction to Prose and Composition	25ENGX02MD01OD	3	25	50	75
MDC2	<u>Hindi</u> हिन्दी भाषा का इतिहास	25HNDX02MD01OD	3	25	50	75
MDC2	<u>Sanskrit</u> Sanskrit Niti Literature संस्कृत नीति साहित्य	25SKTX02MD01OD	3	25	50	75
MDC2	<u>Mathematics</u> Mathematical Reasoning	25MATX02MD01OD	3	25	50	75
MDC2	<u>History</u> Rise of Civilization	25HISX02MD01OD	3	25	50	75
MDC2	<u>Political Science</u> Nationalism in India	25POLX02MD01OD	3	25	50	75
MDC2	<u>Public Administration</u> Introduction to Indian Administration	25PUBX02MD01OD	3	25	50	75

Discipline Specific Courses/ Major Course	Nomenclature of Course	Course Code	Total Credits	Assignment Marks	Term End Examination (Theory Marks)	Total Marks
MDC2	<u>Economics</u> Economic History of India (1857-1947)	25ECOX02MD01OD	3	25	50	75
E) VALUE ADDED COURSE (VAC)						
VAC2	Environmental Science	25EVSX01VA01OD	2	15	35	50

Note:

- 1. Summer internship of 4 credits is mandatory for every student which may be completed after 2nd or 4th Semester.*
- 2. Students exiting the programme after 2nd Semester and securing 52 credits including 4 credits of summer internship will be awarded UG certificate in the relevant subjects.*

Semester III

Discipline Specific Courses/ Major Course	Nomenclature of Course	Course Code	Total Credits	Assignment Marks	Term End Examination (Theory Marks)	Total Marks
A) DISCIPLINE SPECIFIC COURSES (DSC) <i>(The students shall select any three discipline specific courses from the following four groups but not more than one subject from each such group without repetition of any subject)</i>						
Group I						
DSC	<u>English</u> Introduction to British Novel (Aphra Behn to Fielding)	26ENGM403DS01OD	4	30	70	100
DSC	<u>Hindi</u> हिन्दी कविता (मध्यकाल और आधुनिक काल)	26HNMD403DS01OD	4	30	70	100
DSC	<u>Sanskrit</u> संस्कृत III	26SKTM403DS01OD	4	30	70	100
DSC	<u>Economics</u> Macro Economics I	26ECOM403DS01OD	4	30	70	100
Group II						
DSC	<u>English</u> Introduction to British Novel (Aphra Behn to Fielding)	26ENGM403DS01OD	4	30	70	100
DSC	<u>Hindi</u> हिन्दी कविता (मध्यकाल और आधुनिक काल)	26HNMD403DS01OD	4	30	70	100
DSC	<u>Mathematics</u> Ordinary Differential Equations	26MATM403DS01OD	4	30	70	100
DSC	<u>Public Administration</u> Basics of Indian Administration -I	26PUBM403DS01OD	4	30	70	100
Group III						
DSC	<u>English</u> Introduction to British Novel (Aphra Behn to Fielding)	26ENGM403DS01OD	4	30	70	100
DSC	<u>Hindi</u> हिन्दी कविता (मध्यकाल और आधुनिक काल)	26HNMD403DS01OD	4	30	70	100
DSC	<u>Political Science</u> Principles of Political Science-I	26POLM403DS01OD	4	30	70	100
Group IV						
DSC	<u>English</u> Introduction to British Novel (Aphra Behn to Fielding)	26ENGM403DS01OD	4	30	70	100
DSC	<u>Hindi</u> हिन्दी कविता (मध्यकाल और आधुनिक काल)	26HNMD403DS01OD	4	30	70	100
DSC	<u>History</u> Modern History of India	26HISM403DS01OD	4	30	70	100

Discipline Specific Courses/ Major Course	Nomenclature of Course	Course Code	Total Credits	Assignment Marks	Term End Examination (Theory Marks)	Total Marks
B1) MINOR COURSES (MIC) (Any one of the following other than that of the disciplines selected as above. <i>The students, while exercising the option of selecting the Minor Course (MIC), should keep in mind that they are required to study the Minor Courses in the same discipline in all the semesters as well, wherever offered.</i>)						
MIC 2	English English Prose and Poetry – II	26ENG402MI01OD	4	30	70	100
MIC 2	Hindi हिंदी का वैश्विक परिदृश्य	26HND402MI01OD	4	30	70	100
MIC 2	Mathematics Business Mathematics	26MAT402MI01OD	4	30	70	100
MIC 2	Sanskrit संस्कृत – 2	26SKT402MI01OD	4	30	70	100
MIC 2	Economics Indian Economic Policy	26ECO402MI01OD	4	30	70	100
MIC 2	Public Administration Central Administration in India	26PUB402MI01OD	4	30	70	100
MIC 2	Political Science Global Politics	26POL402MI01OD	4	30	70	100
MIC 2	History Environmental History of India	26HIS402MI01OD	4	30	70	100
B2) SKILL ENHANCEMENT COURSES (SEC) (Any one of the following but related to the selected discipline specific or minor courses)						
SEC3	Hindi भाषा और समाज	26HND403SE01OD	3	25	50	75
SEC3	English Introduction to Text and Performance	26ENG403SE01OD	3	25	50	75
SEC3	Sanskrit पर्व परिचय	26SKT403SE01OD	3	25	50	75
SEC3	History An introduction to Archaeology	26HIS403SE01OD	3	25	50	75
SEC3	Public Administration Personality Development and Communication Skills	26PUB403SE01OD	3	25	50	75
SEC3	Political Science Understanding Gandhi	26POL403SE01OD	3	25	50	75
SEC3	Mathematics Operation Research Techniques	26MAT403SE01OD	3	25	50	75

Discipline Specific Courses/ Major Course	Nomenclature of Course	Course Code	Total Credits	Assignment Marks	Term End Examination (Theory Marks)	Total Marks
SEC3	<u>Economics</u> Economic Research View	26ECO403SE01OD	3	25	50	75
C) ABILITY ENHANCEMENT COURSE (AEC)						
AEC1	English – II	26ENGX03AE01OD	2	15	35	50
D) MULTIDISCIPLINARY COURSES (MDC) (Any One of the following courses but beyond disciplines of DSC and MIC and also that which the students have not studied at their Senior Secondary Level (10+2 or equivalent))						
MDC3	<u>English</u> Introduction to Poetry and Phonetics	26ENGX03MD01OD	3	25	50	75
MDC3	<u>Hindi</u> लोक साहित्य	26HNDX03MD01OD	3	25	50	75
MDC3	<u>Sanskrit</u> Fundamentals Of Indian Philosophy भारतीय दर्शन की मूल अवधारणाएं	26SKTX03MD01OD	3	25	50	75
MDC3	<u>Mathematics</u> Applicable Mathematics	26MATX03MD01OD	3	25	50	75
MDC3	<u>History</u> History of Communication	26HISX03MD01OD	3	25	50	75
MDC3	<u>Political Science</u> Democracy and Human Rights in India	26POLX03MD01OD	3	25	50	75
MDC3	<u>Public Administration</u> Governance at Grass Roots Level in India	26PUBX03MD01OD	3	25	50	75
MDC3	<u>Economics</u> Problems of Indian Economy	26ECOX03MD01OD	3	25	50	75

Semester IV

Discipline Specific Courses/ Major Course	Nomenclature of Course	Course Code	Total Credits	Assignment Marks	Term End Examination (Theory Marks)	Total Marks
A) DISCIPLINE SPECIFIC COURSES (DSC) <i>(The students shall select any three discipline specific courses from the following four groups but not more than one subject from each such group without repetition of any subject)</i>						
Group I						
DSC	English Introduction to American Literature	26ENGM404DS01OD	4	30	70	100
DSC	Hindi हिंदी साहित्य : गद्य विधाएँ	26HNDM404DS01OD	4	30	70	100
DSC	Sanskrit संस्कृत IV	26SKTM404DS01OD	4	30	70	100
DSC	Economics Macro Economics II	26ECOM404DS01OD	4	30	70	100
Group II						
DSC	English Introduction to American Literature	26ENGM404DS01OD	4	30	70	100
DSC	Hindi हिंदी साहित्य : गद्य विधाएँ	26HNDM404DS01OD	4	30	70	100
DSC	Mathematics Real Analysis	26MATM404DS01OD	4	30	70	100
DSC	Public Administration Basics of Indian Administration -II	26PUBM404DS01OD	4	30	70	100
Group III						
DSC	English Introduction to American Literature	26ENGM404DS01OD	4	30	70	100
DSC	Hindi हिंदी साहित्य : गद्य विधाएँ	26HNDM404DS01OD	4	30	70	100
DSC	Political Science Principles of Political Science-II	26POLM404DS01OD	4	30	70	100
Group IV						
DSC	English Introduction to American Literature	26ENGM404DS01OD	4	30	70	100

Discipline Specific Courses/ Major Course	Nomenclature of Course	Course Code	Total Credits	Assignment Marks	Term End Examination (Theory Marks)	Total Marks
DSC	Hindi हिंदी साहित्य : गद्य विधाएँ	26HNDM404DS01OD	4	30	70	100
DSC	History History of Ancient World	26HISM404DS01OD	4	30	70	100
B) MINOR VOCATIONAL COURSES (MVC) (Any one of the following i.e. the students, while exercising the option of selecting the Minor Vocational Course (MVC), may opt courses related to their discipline specific or Minor or as per their choice)						
MVC 1	English Fundamentals of Analytical Reading and Writings	26ENG404MV01OD	4	30	70	100
MVC 1	Hindi प्रवासी हिंदी साहित्य	26HND404MV01OD	4	30	70	100
MVC 1	Mathematics Mathematical Computing using Python	26MAT404MV01OD	4	30	70	100
MVC 1	Sanskrit सांख्य दर्शन	26SKT404MV01OD	4	30	70	100
MVC 1	Economics Economics of Public Finance	26ECO404MV01OD	4	30	70	100
MVC 1	Public Administration Introduction to Health Administration	26PUB404MV01OD	4	30	70	100
MVC 1	Political Science Modern Indian Political Thought-II	26POL404MV01OD	4	30	70	100
MVC 1	History History of Freedom Movement in India	26HIS404MV01OD	4	30	70	100
C) ABILITY ENHANCEMENT COURSE (AEC)						
AEC1	हिन्दी भाषा संवर्धन सत्र 3	26HNDX03AE01OD	2	15	35	50
D) VALUE ADDED COURSE (VAC)						
VAC 3	Professional Skills	26CLAEEC02OD	2	15	35	50

Note:

- Students exiting the programme after 4th semester and securing 96 credits including 4 credits of summer internship will be awarded UG Diploma in the relevant subjects.

Semester V

Discipline Specific Courses/ Major Course	Nomenclature of Course	Course Code	Total Credits	Assignment Marks	Term End Examination (Theory Marks)	Total Marks
A) DISCIPLINE SPECIFIC COURSES (DSC) <i>(The students shall select any three discipline specific courses from the following four groups but not more than one subject from each such group without repetition of any subject)</i>						
Group I						
DSC	English Introduction to Indian Literature in English	27ENGM405DS01OD	4	30	70	100
DSC	Hindi हिंदी कथा-साहित्य	27HNDM405DS01OD	4	30	70	100
DSC	Sanskrit संस्कृत V	27SKTM405DS01OD	4	30	70	100
DSC	Economics Development Economics	27ECOM405DS01OD	4	30	70	100
Group II						
DSC	English Introduction to Indian Literature in English	27ENGM405DS01OD	4	30	70	100
DSC	Hindi हिंदी कथा-साहित्य	27HNDM405DS01OD	4	30	70	100
DSC	Mathematics Group and Rings	27MATM405DS01OD	4	30	70	100
DSC	Public Administration Rural Local Government	27PUBM405DS01OD	4	30	70	100
Group III						
DSC	English Introduction to Indian Literature in English	27ENGM405DS01OD	4	30	70	100
DSC	Hindi हिंदी कथा-साहित्य	27HNDM405DS01OD	4	30	70	100
DSC	Political Science Comparative Politics-I	27POLM405DS01OD	4	30	70	100
Group IV						
DSC	English Introduction to Indian Literature in English	27ENGM405DS01OD	4	30	70	100
DSC	Hindi हिंदी कथा-साहित्य	27HNDM405DS01OD	4	30	70	100

Discipline Specific Courses/ Major Course	Nomenclature of Course	Course Code	Total Credits	Assignment Marks	Term End Examination (Theory Marks)	Total Marks
DSC	<u>History</u> History of Medieval World	27HISM405DS01OD	4	30	70	100
B) MINOR VOCATIONAL COURSES (MVC) (Any one of the following i.e. the students, while exercising the option of selecting the Minor Vocational Course (MVC), may opt courses related to their discipline specific or Minor or as per their choice)						
MVC 2	<u>English</u> Fundamentals of Content Writing	27ENG405MV01OD	4	30	70	100
MVC 2	<u>Hindi</u> हिंदी सिनेमा : व्यावसायिक सन्दर्भ	27HND405MV01OD	4	30	70	100
MVC 2	<u>Mathematics</u> Mathematical Computing using Mat lab	27MAT405MV01OD	4	30	70	100
MVC 2	<u>Sanskrit</u> योग दर्शन	27SKT405MV01OD	4	30	70	100
MVC 2	<u>Economics</u> Industrial Economics	27ECO405MV01OD	4	30	70	100
MVC 2	<u>Public Administration</u> Health Administration: Policy & Programs	27PUB405MV01OD	4	30	70	100
MVC 2	<u>Political Science</u> International Politics-I	27POL405MV01OD	4	30	70	100
MVC 2	<u>History</u> Field Archaeology	27HIS405MV01OD	4	30	70	100

Semester VI

Discipline Specific Courses/ Major Course	Nomenclature of Course	Course Code	Total Credits	Assignment Marks	Term End Examination (Theory Marks)	Total Marks
A) DISCIPLINE SPECIFIC COURSES (DSC) <i>(The students shall select any three discipline specific courses from the following four groups but not more than one subject from each such group without repetition of any subject)</i>						
Group I						
DSC	<u>English</u> Modern British Poetry (Yeats to Larkin)	27ENGM406DS01OD	4	30	70	100
DSC	<u>Hindi</u> साहित्य चिंतन	27HNDM406DS01OD	4	30	70	100
DSC	<u>Sanskrit</u> संस्कृत VI	27SKTM406DS01OD	4	30	70	100
DSC	<u>Economics</u> Indian Economy	27ECOM406DS01OD	4	30	70	100
Group II						
DSC	<u>English</u> Modern British Poetry (Yeats to Larkin)	27ENGM406DS01OD	4	30	70	100
DSC	<u>Hindi</u> साहित्य चिंतन	27HNDM406DS01OD	4	30	70	100
DSC	<u>Mathematics</u> Linear Algebra	27MATM406DS01OD	4	30	70	100
DSC	<u>Public Administration</u> Urban Local Government	27PUBM406DS01OD	4	30	70	100
Group III						
DSC	<u>English</u> Modern British Poetry (Yeats to Larkin)	27ENGM406DS01OD	4	30	70	100
DSC	<u>Hindi</u> साहित्य चिंतन	27HNDM406DS01OD	4	30	70	100
DSC	<u>Political Science</u> Comparative Politics-II	27POLM406DS01OD	4	30	70	100
Group IV						
DSC	<u>English</u> Modern British Poetry (Yeats to Larkin)	27ENGM406DS01OD	4	30	70	100
DSC	<u>Hindi</u> साहित्य चिंतन	27HNDM406DS01OD	4	30	70	100

Discipline Specific Courses/ Major Course	Nomenclature of Course	Course Code	Total Credits	Assignment Marks	Term End Examination (Theory Marks)	Total Marks
DSC	<u>History</u> History of Modern World	27HISM406DS01OD	4	30	70	100
B1) MINOR COURSES (MIC) (Any one of the following other than that of the disciplines selected as above. <i>The students, while exercising the option of selecting the Minor Course (MIC), should keep in mind that they are required to study the Minor Courses in the same discipline in all semesters as well, wherever offered</i>)						
MIC 3	<u>English</u> One Act Play (English)	27ENG403MI01OD	4	30	70	100
MIC 3	<u>Hindi</u> भारतीय ज्ञान परंपरा	27HND403MI01OD	4	30	70	100
MIC 3	<u>Mathematics</u> Operations Research	27MAT403MI01OD	4	30	70	100
MIC 3	<u>Sanskrit</u> संस्कृत – 3	27SKT403MI01OD	4	30	70	100
MIC 3	<u>Economics</u> Monetary Economics	27ECO403MI01OD	4	30	70	100
MIC 3	<u>Public Administration</u> State and District Administration in India	27PUB403MI01OD	4	30	70	100
MIC 3	<u>Political Science</u> Modern Indian Political Thought-I	27POL403MI01OD	4	30	70	100
MIC 3	<u>History</u> Bhakti and Sufi Movement in India	27HIS403MI01OD	4	30	70	100
B2) MINOR VOCATIONAL COURSES (MVC) (Any one of the following i.e. <i>the students, while exercising the option of selecting the Minor Vocational Course (MVC), may opt courses related to their discipline specific or Minor or as per their choice</i>)						
MVC 3	<u>English</u> Introduction to Indian Theatre and Performance	27ENG406MV01OD	4	30	70	100
MVC 3	<u>Hindi</u> पर्यावरण और हिंदी साहित्य	27HND406MV01OD	4	30	70	100
MVC 3	<u>Mathematics</u> Data Structure Using C	27MAT406MV01OD	4	30	70	100
MVC 3	<u>Sanskrit</u> न्याय दर्शन	27SKT406MV01OD	4	30	70	100
MVC 3	<u>Economics</u> Health Economics	27ECO406MV01OD	4	30	70	100
MVC 3	<u>Public Administration</u> Hospital Administration	27PUB406MV01OD	4	30	70	100
MVC 3	<u>Political Science</u> International Politics-II	27POL406MV01OD	4	30	70	100

Discipline Specific Courses/ Major Course	Nomenclature of Course	Course Code	Total Credits	Assignment Marks	Term End Examination (Theory Marks)	Total Marks
MVC 3	<u>History</u> Principles of Conservation	27HIS406MV01OD	4	30	70	100

Note:

4. *Students will be awarded Bachelor of Arts upon securing 132 credits.*

SEMESTER - I

Session 2025-26

A) DISCIPLINE SPECIFIC COURSES (DSC)

SEMESTER – I

English

Name of Program		Program Code	
Name of the Course	Introduction to British Poetry (Chaucer to Donne)	Course Code	25ENGM401DS01OD
Hours per Week	04	Credits	04 (L-3 - T-1 - P-0)
Maximum Marks	70+30=100	Time of Examination	3 Hours

Note:

Question No 1 Students shall be required to attempt any four Short notes (100-150) words each out of the **given six** selecting at least one from each unit.

Questions 2, 3, 4 and 5 shall be essay type questions with internal choice.

All questions carry equal marks.

Course Learning Outcomes (CLO):

- CLO 1. Contextualizing the age which heralded writing in English socio-politico-cultural milieu
- CLO 2. Familiarizing with the authors and works of the Anglo-Saxons as precursors to Modern English works and enable the students to appreciate and demonstrate the ability to appreciate and critique poetry
- CLO 3. Developing an understanding of the study of English poetry in its historical and literary context.

Unit 1:

Types of Poetry and Related Literary Terms : Lyric, Sonnet, Blank Verse, Ballad, Epic, Allegory, Elegy, Hymn, Parody, Satire, Ode, Dramatic Monologue, Figures of Speech, Tone, Sound, Language, Diction, Myth, Symbols, Imagery

Unit 2:

Chaucer Introduction to Prologue Lines 1 to 100

Unit 3:

Spencer: Amoretti

“New yeare forth looking out of lanus gate” (IV)

“Fayre eyes, the myrroure of my mazed hart” (VII)

“The merry Cuckow, messenger of Spring” (XIX)

Shakespeare:

Sonnet 18 “Shall I compare thee to a summer's day?”

Sonnet 116: Let me not to the marriage of true minds

Sonnet 130 “My mistress' eyes are nothing like the sun;.”

Unit 4:

John Donne: “ The Good Morrow”

“ The Sun Rising”,

“ Batter My Heart”

References:

- *Pastoralism in the Poetry of Edmund Spenser Poetry in English: An Introduction* by Charles Barber *Spenser's „Amoretti”: A Critical Study* by D. Gibbs
- *The Canterbury Tales, Oxford Guides to Chaucer* by Helen Cooper
- *The Cambridge Chaucer Companion* by Piero Boitani and Jill Mann
- *All in War with Time: Love Poetry of Shakespeare, Donne, Jonson and Marvell* by Ferry Anne,
- *John Donne's Poetry* by. Arthur Clements, L
- *Chaucer: The Canterbury Tales* by Gail Ashton,
- *Viva Modern Critical Interpretations: William Shakespeare's Sonnets.* By Harold Bloom.
- *A Handbook of Literary Terms* by MH Abrams and Geoffrey Galt Harpman (Indian Edition)

SEMESTER - I
Hindi

Name of Program		Program Code	
Name of the Course	हिंदी साहित्य का इतिहास	Course Code	25HNDM401DS01OD
Hours per Week	4	Credits	4
Maximum Marks	100	Time of Examinations	3 Hours

Note:

Examiner will set nine questions and the candidates will be required to attempt five questions in all. Question number one will be compulsory containing short answer type questions from all units. Further, examiner will set two questions from each unit and the candidates will be required to attempt one question from each Unit. All questions will carry equal marks.

Course Learning Outcomes (CLO):

- हिंदी साहित्य के इतिहास का ज्ञान
- इतिहास ग्रंथों का विश्लेषण
- इतिहास निर्माण की पद्धति

Unit 1:

हिंदी साहित्य : इतिहास लेखन

- हिंदी साहित्य के इतिहास—लेखन की परंपरा का परिचय
- हिंदी साहित्य : काल विभाजन एवं नामकरण
- आदिकाल: राजनीतिक, सामाजिक, सांस्कृतिक परिवेश और साहित्यिक पृष्ठभूमि
- सिद्ध साहित्य, नाथ साहित्य, जैन साहित्य
- रासो साहित्य
- लौकिक साहित्य

Unit 2:

हिंदी साहित्य : भक्तिकाल (पूर्वमध्यकाल)

- भक्ति—आंदोलन : उद्भव और विकास
- भक्तिकाल की प्रमुख प्रवृत्तियाँ
 1. निर्गुण धारा (ज्ञानाश्रयी शाखा, प्रेममार्गी सूफी शाखा)
 2. सगुण धारा (रामभक्ति शाखा, कृष्णभक्ति शाखा)

Unit 3:**हिंदी साहित्य : रीतिकाल (उत्तरमध्यकाल)**

- युगीन पृष्ठभूमि (राजनीतिक, सामाजिक—सांस्कृतिक—आर्थिक परिवेश, साहित्य एवं संगीत आदि कलाओं की स्थिति)
- काव्य—प्रवृत्तियाँ
 1. रीतिबद्ध और रीतिसिद्ध
 2. रीतिमुक्त काव्य
 3. वीरकाव्य, भक्तिकाव्य, नीतिकाव्य

Unit 4:**हिंदी साहित्य : आधुनिककाल**

मध्यकालीन बोध तथा आधुनिक बोध (संक्रमण की परिस्थितियाँ)

आधुनिक हिंदी कविता की प्रमुख प्रवृत्तियाँ(भारतेंदु युग, द्विवेदी युग, छायावाद युग, प्रगतिवाद, प्रयोगवाद, नई कविता)

गद्य विधाओं का उद्भव और विकास : उपन्यास, कहानी, नाटक, निबंध

References:

- हिंदी साहित्य का इतिहास— आचार्य रामचंद्र शुक्ल
- हिंदी साहित्य की भूमिका — आचार्य हजारी प्रसाद द्विवेदी
- आदिकालीन हिंदी साहित्य : अध्ययन की दिशाएँ : संपा. अनिल राय
- हिंदी साहित्य और संवेदना का विकास — रामस्वरूप चतुर्वेदी
- हिंदी साहित्य : उद्भव और विकास — आचार्य हजारी प्रसाद द्विवेदी
- हिंदी साहित्य का आदिकाल — आचार्य हजारी प्रसाद द्विवेदी
- हिंदी साहित्य का इतिहास— संपा. डॉ. नगेन्द्र

SEMESTER - I

Sanskrit

Name of Program	UG MULIDISCIPLINARY	Program Code	
Name of the Course	संस्कृत I	Course Code	25SKTM401DS01OD
Hours per Week	4	Credits	4
Maximum Marks	100	Time of Examinations	3 HOURS
Course Learning Outcomes (CLO):			
CLO 1: Students will be able to conduct simple conversations in Sanskrit.			
CLO 2: Students will gain the ability to read and understand Hitopdesha and will be able to discuss the themes, moral lessons and cultural significance of this text.			
CLO 3: Students will achieve a thorough understanding of Sanskrit grammar including noun, pronoun and verb forms. They will be able to apply these rules in constructing sentences.			
CLO 4: Students will be proficient in the application of sandhi rules.			
CLO 5: Students will develop reading and writing skills in Sanskrit.			
Unit 1:			
संस्कृतवाग्व्यवहारः – संस्कृतव्यवहारसाहस्री (1 से 8 पाठ पर्यन्त)			
Unit 2:			
हितोपदेशः - (मित्रलाभः – कथामुख, काक-मृग-कूर्म-मूषिका-कथा, गृध्र-विडाल कथा)			
Unit 3:			
पदरूपाणि			
(क) शब्दरूपाणि – राम, कवि, भानु, पितृ, लता, मति, नदी, धेनु, वधू, मातृ, फल, वारि, मधु।			
(ख) धातुरूपाणि परस्मैपदे – भू, पठ्, हस्, नम्, गम्, अस्, हन्, क्रुध्, नश्, नृत्, अद्, इष्, पृच्छ, चिन्त्।			
Unit 4:			
सन्धिः – अच् सन्धिः, हल् सन्धिः, विसर्ग सन्धिः।			

दिशा-निर्देश –

प्रथम प्रश्न अनिवार्य है, इसमें सम्पूर्ण पाठ्यक्रम में से 7 वस्तुनिष्ठ प्रश्न पूछे जाएंगे। $7 \times 2 = 14$

शेष प्रश्नों के निर्देश अधोलिखित हैं।

यूनिट – 1 संस्कृत में पूछे गए 12 प्रश्नों में से किन्हीं 07 प्रश्नों का संस्कृत में उत्तर। $7 \times 2 = 14$

यूनिट – 2

(क) 6 गद्यांशों या पद्यांशों में से किन्हीं 3 का सरलार्थ। $3 \times 3 = 09$

(ख) 2 कथाओं में से किसी 1 का सारांश। $1 \times 5 = 05$

यूनिट – 3

(क) 4 शब्दों में से किन्हीं 2 शब्दों के सम्पूर्ण रूप। $2 \times 4 = 08$

(ख) 4 धातुओं में से किन्हीं 2 धातुओं के पूछे गए 2 लकारों में सम्पूर्ण रूप। $2 \times 3 = 06$

यूनिट – 4

(क) 8 में से किन्हीं 5 प्रयोगों में नामोल्लेख सहित सन्धि प्रदर्शन। $5 \times 2 = 10$

(ख) 8 में से किन्हीं 4 प्रयोगों में विग्रह प्रदर्शन। $4 \times 1 = 04$

References:

1. संस्कृत व्यवहारसाहस्री – संस्कृतभारती प्रकाशन, दिल्ली।
2. हितोपदेश, श्रीनारायण पण्डित विरचित, सम्पादक प्रो बालशास्त्री, चौखम्बा सुरभारती प्रकाशन, वाराणसी, 2015.
3. हितोपदेश, पण्डित जीवानन्द विद्यासागर, सरस्वती प्रेस, कलकत्ता।
4. रूपचन्द्रिका, डॉ. ब्रह्मानन्द त्रिपाठी, चौखम्बा सुरभारती प्रकाशन, वाराणसी।
5. प्रारम्भिक रचनानुवादकौमुदी, डॉ. कपिलदेव द्विवेदी, विश्वविद्यालय प्रकाशन, वाराणसी।

SEMESTER - I

Economics

Name of Program	UG	Program Code	
Name of the Course	Micro Economics I	Course Code	25ECOM401DS01OD
Hours per Week	4	Credits	L T P 3 1 0
Maximum Marks	Total Theory Internal 100 70 30	Time of Examinations	3 Hours

Note:

Examiner will set nine questions and the candidates will be required to attempt five questions in all. Question number one will be compulsory containing short answer type questions from all units. Further, examiner will set two questions from each unit and the candidates will be required to attempt one question from each Unit. All questions will carry equal marks.

Course Learning Outcomes (CLO):

CLO 1: students will be able to understand the concept of scarcity and its implications for decision-making.
 CLO 2: Learner will be able to compare and contrast cardinal utility analysis and ordinal utility theory.
 CLO 3: students will learn about the Law of Variable Proportions and its relevance to production decisions.
 CLO 4 : Students will be able to Explain the concepts of revenue, including total, average, and marginal revenue.

Unit 1:

The Economic Problem: Scarcity and Choice, Functions of an Economic System, Circular Flow of Economic Activities, System of Economic Organization, Micro and Macro Economics, Law of Demand, Elasticity of Demand: concept, types, measurement, determinants and importance.

Unit 2:

Consumer Theory: Concept of utility, Cardinal utility analysis, marginal and total utility, consumer's equilibrium, Derivation of demand curve, consumer's surplus.

Ordinal Utility Theory: Indifference curves analysis, characteristics, budget line, marginal rate of substitution, Consumer's Equilibrium, Price, income and substitution effects, Derivation of demand curve, Limitations of utility theory of demand.

Unit 3:

Producer's behaviour and Supply: Supply, Firm as an agent of production, Law of variable proportions, Returns to scale, characteristics of Iso-quants, Ridge lines, least cost combination of factors, Internal and external economies and diseconomies. Movements and shifts in supply curve, Elasticity of supply.

Unit 4:

Cost Analysis: Concepts of costs, short period costs and long period costs, Modern Theory of costs, Revenue: Concepts of revenue; total, average and marginal revenue and their relationships, Break-even-analysis & its uses.

References:

- Kreps, David M. (1990), A Course in Microeconomic Theory, Princeton University Press, Princeton.
- Koutsoyiannis, A. (1979), Modern Microeconomics, (2nd Edition), Macmillan Press, London.
- Layard, P.R.G. and A.W. Walters (1978), Microeconomic Theory, McGraw Hill, New York.
- Sen, A. (1999), Microeconomics: Theory and Applications, Oxford University Press, New Delhi.
- Varian, H. (2000), Microeconomic Analysis, W.W. Norton, New York.
- Mankiw Gregory N (1968): PRINCIPLE OF Economics, 3rd Edition, Thomson; 3rd Indian Reprint (2007)
- राजेंद्र चौधरी (2024), इकाई आधारित अर्थशास्त्र, Intellectul Foundation (India) Rohtak

SEMESTER – I
Mathematics

Name of Program	B.A./B.Sc.	Program Code	UMPS4
Name of the Course	Functions and Algebra	Course Code	25MATM401DS01OD
Hours per Week	5	Credits	4
Maximum Marks	100 (75 Theory(50 External + 25 Internal) + 25 Practical)	Time of Examinations	3 Hours
Course Learning Outcomes (CLO)			Mapped PLOs
CLO 1: Determine the type of matrices and compute the elementary operations on the matrices.			PLO1
CLO 2: Compute the Eigen values, Eigen function, characteristic equation and minimal polynomial of a given matrix.			PLO1
CLO 3: Use the concept of rank of matrices to solve systems of linear equations.			PLO2
CLO 4: Familiar with transformation of equation which is very helpful to find the solution of the given problem.			PLO2
CLO 5: Use the Descarte's rule of sign to find the nature of roots.			PLO2
Note:			
Examiner will set nine questions and the candidates will be required to attempt five questions in all. Question number one will be compulsory containing four short answer type questions from all sections. Further, examiner will set two questions from each section and the candidates will be required to attempt one question from each Section. All questions will carry equal marks.			
Section – I (Relations and Functions)			
Relations, Functions along with domain and range, Composition of functions, Invertibility and inverse of functions, One-to-one correspondence and the cardinality of a set.			
Section-II (Theory of Equations)			
Relations between the roots and coefficients of general polynomial equation in one variable. Solutions of polynomial equations having conditions on roots. Common roots and multiple roots. Transformation of equations. Nature of the roots of an equation Descarte's rule of signs. Solutions of cubic equations (Cardon's method). Biquadratic equations and their solutions.			
Section-III (Rank of a Matrix & its applications)			
Matrix and its types. Symmetric, Skew-symmetric, Hermitian and Skew Hermitian matrices. Unitary and Orthogonal Matrices, Idempotent, Involuntary, Nilpotent Matrices.			
Rank of a Matrix & its applications. Rank of a matrices, Row rank and column rank of a matrix, Elementary Operations on matrices, Inverse of a matrix , Normal Form, PAQ Form, Linear dependence and independence of rows and columns of matrices , Applications of matrices to a system of linear (both homogeneous and non-homogeneous) equations, Theorems on consistency of a system of linear equations.			

Section-IV (Eigenvalues, Eigenvectors and Diagonalization of matrix)

Cayley Hamilton theorem. Eigenvalues, eigenvectors and the characteristic equation of a matrix. Minimal polynomial of a matrix. Cayley Hamilton theorem and its use in finding the inverse of a matrix. Diagonalization of matrix.

Practical/ Computational Work

(Based on course Functions and Algebra)

Max. Marks : 25

i) Written Practical/ Lab work : 10 Marks

ii) Viva-voce and practical record: 15 Marks

Time : 3 Hours

There will be five questions in all, and the students must attempt any three questions. The question paper will set on the spot jointly by the internal and external examiners.

Distribution of Marks will be as follows:

Marks for Question Paper: 10

Marks for Practical Record Book: 05

Marks for Viva-Voce: 10

Total: 25

List of Practicals

Following is the list of programmes to be performed in the Lab using MATLAB Programming:

1. Matrix operations (addition, multiplication, inverse, transpose, determinant, rank, eigenvectors, eigenvalues, Characteristic equation and verification of Cayley Hamilton equation, system of linear equations)
2. Practical based on System of Homogenous Equation and application to solve balance chemical equation.
3. Practical based on System of Non- Homogenous Equation and applications to solve network flow problems, Nutrition and Economic Input-Output Models.
4. Problems based Markov process a type of Mathematical Modeling .
5. Applications and Uses of Matrix in Coding theory.
6. Study of reflection, shear, dilation, contraction of figure using matrix transformation as application of computer graphics.
7. Application of System of Equations to Solve Electric Circuits.
8. Applications of Eigen values to solve a Diffusion Process and Dynamical Systems.
9. Plotting of graphs of following functions (i) $y = \frac{1}{x^2}$, Rational function (ii) $f(x) = \frac{1}{x^n}$ Irrational function (iii) $f(x) = x^{1/n}$ where $n \in \mathbb{N}$ (discuss both cases on n is even or odd) (iv) Piecewise Function (Modulus function, Signum function, Greatest integer function, Fractional part function, Least integer

function).

10. Plotting of graphs of following transcendental and standard functions (i) $\sin(x)$, $\cos(x)$, $\tan(x)$, $\cot(x)$, $\sec(x)$, $\operatorname{cosec}(x)$, e^x , a^x ($a > 1$, $a < 1$), $\log_a(x)$ ($a > 1$, $a < 1$) and Standard Geometrical functions (i) Straight Line (ii) Circle (iii) Parabola (iv) Ellipse (v) Hyperbola.
11. (i) Plotting of graphs of six inverse trigonometric functions and hyperbolic functions (ii) Solution of Transcendental equation using graph for example $\sin x = \frac{x}{10}$, $\cos(x)=x$ (iii) Plotting of graphs of functions, $\sin(\sin^{-1}x)$.
12. Study of various graphical transformations by which $f(x)$ transform to $f(x) \pm a$, $f(x \pm a)$, $af(x)$, $f(ax)$, $|f(x)|$, $f(|x|)$, $|f(|x|)|$, $|y| = f(x)$, $|y| = |f(x)|$, $|y| = |f(|x|)|$, $y = [f(x)]$, $y = f([x])$, $y = [f([x])]$.

References:

1. Goodaire, Edgar G., & Parmenter, Michael M. (2005). Discrete Mathematics with Graph Theory (3rd ed.). Pearson Education Pvt. Ltd. Indian Reprint 2015.
2. Dickson, Leonard Eugene (1922). First Course in The Theory of Equations. John Wiley & Sons, Inc. New York. The Project Gutenberg EBook.
3. S. H. Friedberg, A. L. Insel and L. E. Spence, Linear Algebra, Prentice Hall of India Pvt. Ltd., New Delhi.
4. Richard Bronson, Theory and Problems of Matrix Operations, Tata McGraw Hill.
5. H.S. Hall and S.R. Knight : Higher Algebra, H.M. Publications 1994.
6. Shanti Narayan : A Text Books of Matrices.
7. Chandrika Prasad : Text Book on Algebra and Theory of Equations. Pothishala Private Ltd., Allahabad.
8. S. H. Friedberg, A. L. Insel and L. E. Spence, Linear Algebra, Prentice Hall of India Pvt. Ltd., New Delhi.
9. Richard Bronson, Theory and Problems of Matrix Operations, Tata McGraw Hill.
10. B. Kolman, David R. Hill, Introductory Linear Algebra An Applied First Course, 8th Edition, Prentice Hall.
11. Jim DeFranza and Dan Gagliardi, Introduction to Linear Algebra with Applications, McGraw Hill Education (India) Pvt Ltd, New Delhi.

SEMESTER- I
Public Administration

Name of Program	Public Administration	Program Code	UMBA4
Name of the Course	Elements of Public Administration-I	Course Code	25PUBM401DS01OD
Hours per Week		Credits	4
Maximum Marks	100	Time of Examinations	3 Hours

Note:

Examiner will set nine questions and the candidates will be required to attempt five questions in all. Question number one will be compulsory containing short answer type questions from all units. Further, examiner will set two questions from each unit and the candidates will be required to attempt one question from each Unit. All questions will carry equal marks.

Course Learning Outcomes (CLO):

CLO 1: Increases understanding about the emergence of Public Administration as a discipline and as an activity.

CLO 2: Generates understanding among the students about the relationship of Public Administration with various disciplines.

CLO 3: Students would get knowledge about Organization, Bases, Types & its Principles

CLO 4: Students would become well versed with the theories of Public Administration.

Unit 1:

Evolution of Public Administration, Public Administration: Meaning, Nature, Scope and Importance, Public Administration as an Art or Science, Public Administration & Private Administration, Similarities & Differences, Relationship of Public Administration with Political Science, History, Sociology, Economics, Psychology

Unit 2:

Organization: Meaning and forms of organization (Formal & Informal), Basis of Organization. Principles of Organization: Hierarchy, Span of Control, Unity of Command, Co-ordination

Unit 3:

Principles of Organization: Centralization & Decentralization, Supervision, Communication, Leadership, Authority & Responsibility, Delegation of Authority & Decision – Making.

Unit 4:

Theories of Organization: Classical, Scientific Management, Bureaucratic, Human Relation theory

References:

- B.L. Fadia & K. Fadia, Public Administration (Administrative Theories), Sahitya Bhawan Publication, Agra, 2015.
- Bidyut Chakrabarty and Prakash Chand, Public Administration in a Globalizing World: Theories and Practices, Sage, New Delhi, 2012.
- Smita Srivastava, Theory and Practice of Public Administration, Pearson, Noida (U.P), 2011. D. Ravindra Prasad and Y. Pardhasaradhi (eds.), Public Administration: Concepts, Theories and Principles (Eng), Telugu Akademi, Hyd, 2011.
- Hoshier Singh and Pradeep Sachdeva, Public Administration Theory & Practice, Pearson Education India, 2010.
- Siuli Sarkar, Public Administration in India, PHI, New Delhi, 2009.
- Shafritz Jay M. (ed.), Defining Public Administration, Jaipur; Rawat Publications, 2007.
- Dubey, R.K., Aadhunik Lok Prashasan: Modern Public Administration, Laxmi Narayan Agarwal Publishers, Agra, 2007
- Sharma M.P. & Sadana B.L., Public Administration in Theory and Practice, Allahabad: Kitab Mehal, 2003.
- Avasthi, A. & Maheshwari, S.R., Public Administration, Agra: Laxmi Narain Aggarwal, 2001.
- K.K. Puri and G.S. Brara, Public Administration: Theory and Practice, Bharat Prakashan, Jalandhar, 2000.
- Sharma, P.D. & Sharma, H.C., Theory and Practices of Public Administration, New Delhi: College Book Depot, 1998.
- Naidu, S.P., Public Administration: Concepts and Theories, New Age International Publishers, New Delhi, 1996.
- Bhambri, C.P., Public Administration, Delhi: Vikas Publishers, 1991.
- Bhattacharya, M. Public Administration: Structure, Process and Behaviour, Calcutta: The World Press, 1991.
- Negro, F.A. & Nigro, G.N. Modern Public Administration, New York: Harper & Row Publishers, 1980. Dimock, M.E. Dimock, G.O. Public Administration, Oxford: IBH Publishing Company, 1975
- While, L.D., Introduction to the Study of Public Administration, New York: Maxmillan Company, 1958

SEMESTER - I

Political Science

Name of Program	UG Multidisciplinary with Hons.	Program Code	
Name of the Course	Indian Constitution	Course Code	25POLM401DS01OD
Hours per Week	4	Credits	4
Maximum Marks	100 Internal : 30 External : 70	Time of Examinations	3 Hours

Note:

Examiner will set nine questions and the candidates will be required to attempt five questions in all. Question number one will be compulsory containing short answer type questions from all units. Further, examiner will set two questions from each unit and the candidates will be required to attempt one question from each Unit. All questions will carry equal marks.

Course Learning Outcomes (CLO):

- CLO.1: This course is required to broaden the sphere of knowledge and sharpen the analytical attitude of the students with regard to the work and studies of constitution of India.
- CLO.2: This paper will make able the students to comprehend and critically analyze major themes and aspects of Indian Constitution.
- CLO.3: This course will enhance the ability of the students to understand evolution and philosophy of Indian constitution.
- CLO.4: This course intends to introduce the students to the basic philosophy of the constitution and also seeks to examine various provisions of the constitution in the context of India.
- CLO.5: Some recent constitutional amendments will also be discussed.
- CLO.6: It will engage with the major aspects of the different organs of government and some of the new institutions that have emerged in India in recent decades.

Unit 1:

Indian Constitution – Sources and Features, Preamble, Fundamental Rights, Fundamental Duties and Directive Principles of State Policy.

Unit 2:

Union and State Executive – President, Prime Minister, Council of Ministers; State Executive – Governor, Chief Minister and Council of Ministers.

Unit 3:

Union and State Legislature – Parliament-Composition and Functions; Speaker of Lok Sabha, Amendment Process; State Legislature-Vidhan Sabha; Panchayati Raj

Unit 4:

Judiciary – Supreme Court, High Courts, Judicial Review

References:

1. G. Austin, The Indian Constitution: Corner Stone of a Nation, Oxford, Oxford University Press, 1966.
2. D.D. Basu, An Introduction to the Constitution of India, New Delhi, Prentice Hall, 1994.
3. D.D. Basu and B. Parekh (ed.), Crisis and Change in Contemporary India, New Delhi, Sage, 1994
4. C.P. Bhambhri, The Indian State: Fifty Years, New Delhi, Shipra, 1997.
5. P. Brass, Politics of India Since Independence, Hyderabad, Orient Longman, 1990
6. R. Kothari, Politics in India, New Delhi, Orient Longman, 1970.
7. W.H. Morris Jones, Government and Politics in India, Eothen Press, London, 1987
8. J.R. Siwach, Dynamics of Indian Government & Politics, New Delhi, Sterling Publishers, 1985.

SEMESTER - I

History

Name of the Program	Under Graduate Multidisciplinary with Hons. in One Major Discipline	Program Code	UMBA4
Name of the Course	Ancient History of India	Course Code	25HISM401DS01OD
Hours per week	5	Course Credits	4
Max. Marks	100 {External (term-end exam) – 70} (Internal – 30)	Time of Examination	3 Hours

Note: Examiner will set nine questions and the candidates will be required to attempt five questions in all. Question number one will be compulsory containing short answer type questions from all units. Further, examiner will set two questions from each unit and the candidates will be required to attempt one question from each Unit. All questions will carry equal marks.

Course Learning Outcomes (CLO):

1. Students will be able to get the basic knowledge of ancient India.
2. Students will be able to understand the growth and impacts of tool technology in India.
3. Students will be able to get basic knowledge of culture changes over the time period.
4. Students will be able to effectively understand the relevance of religious revolt for society.

Unit - I

1. Sources of Ancient India: Types and Uses
2. Stone Age: Food gathering hunting stage; Food producing stage
3. Harappan Civilization: Origin, Extent and Town Planning; Economy and Religion; Problem of Decay
4. The Vedic Age: Society, Economy, Polity and Religion

Unit – II

1. Second Urbanization and the rise of Territorial States
2. New Religious Movements: Jainism & Buddhism
3. Mauryan Empire: Formation and Consolidation, Ashoka's Dhamma, Social and Economic conditions, Decline of Empire

Unit – III

1. Post Mauryan Age: The Kushanas, Sangam Age: Satavahanas, Cholas and Pandyas.
2. Gupta Empire: Formation and Consolidation, Contribution to Indian Culture
3. Pushpabhutis: Harshvardhan, Tripartite Struggle, Historical Background to the Establishment of Delhi Sultanate.

Unit – IV

Maps:

1. Important sites of Harappan Civilization
2. Extent of Ashoka's Empire and Pillars Edicts
3. Ports, Trade routes of Ancient India
4. Extent of Kushana's Empire
5. Extent of Harshavardhana Empire

References:

- Chakravarti, Ranbir, Bhartiya Itihas ka Adikal, New Delhi, 2012
- Jain, K.C., Pre-history & Proto-history of India, New Delhi, 1979
- Jha, D.N., Prachin Bharat ka Itihas, New Delhi, 2009
- Koshambi, D.D., An Introduction to the Study of Indian History, New Delhi, 2016
- Lahiri, Nayanjot, Ashoka In Ancient India, New Delhi, 2017
- Marwick, Arthur, Nature of History, London, 1984
- Mukharjee, R. K., Chandragupta Maurya and his times, New Delhi, 1966
- Mukherjee, B. N., The Rise and Fall of the Kushan Empire, Calcutta, 1988
- Possehal, G.L., Harappan Civilization: A contemporary perspectives, New Delhi, 1975
- Puri, B. N., India under the Kushanas, New Delhi, 1968
- Ratnagar, Shereen, Understanding Harappa, New Delhi, 2001
- Sastri, K. A. N., A Comprehensive History of India, Vol. I,II, New Delhi, 1987
- Sharma, R. S., Aspects of Political Ideas and Institutions in Ancient India, New Delhi, 1996
- Sharma, R. S., Material Culture and Social formation in Ancient India, New Delhi, 1983
- Sharma, R. S., Prarambhik Bharat ka Parichay, New Delhi, 2004
- Singh, O. P., Pracheen Bharat: Pragaitihasik Kal Se 300 Isvi Tak, New Delhi, 2023
- Thapalyal, K. K. & S. P. Shukla, Sindhu Sabhyata, Lucknow, 1976
- Thapar, Romila, Ashoka and the Decline of the Mauryas, New Delhi, 2010
- Thapar, Romila, Interpreting Ancient India, New Delhi, 1985
- Thapar, Romila, Puravakalin Bharat, New Delhi, 1967
- Thapar, Romila, Recent Perspectives of Early India, New Delhi, 1995
- Yazdani, G., Daccan ka Prachin Itihas, New Delhi, 1995

Note: In addition, students are advised to consult the current Research Journal of History.

B) MINOR COURSES (MIC)**SEMESTER - I**

English

Name of Program		Program Code	
Name of the Course	English Prose and Poetry-I	Course Code	25ENG401MI01OD
Hours per Week	04	Credits	04 (L- 4-T- 0-P- 0)
Maximum Marks	70+30=100	Time of Examination	3 Hours

Note:

Question No 1 Students shall be required to attempt any four out of the given six selecting at least one from each unit.

Questions 2 and 3 shall be essay type Questions from Unit I and II with internal Choice.

Questions 4 and 5 shall be do as directed (any 10 out of given 16) from Unit 3 and 4 each.

Course Learning Outcomes (CLO):

CLO 1 Appreciate various aspects of Prose and Poetry

CLO 2. Grasp and recognize the interlinkages of language and literature

CLO 3. Comprehend different forms and techniques of short fiction

Unit 1:**Prose**

1. Education Provides a Solid Foundation by *APJ Abdul Kalam*
2. Toasted English by *R.K. Narayan*
3. In Sahyadri Hills, A Lesson in Humility by *Sudha Murty*
4. My Greatest Olympic Prize / *Jesse Owens*

Unit 2:

1. The Quality of Mercy / *William Shakespeare*
2. Woman Work/ *Maya Angelou*
3. Say Not the Struggle Not Avail/ *Arthur Hume Clough*
4. Success is Counted Sweetest / *Emily Dickinson*

Unit 3:**Grammar**

Articles

Preposition

Types of Sentences

Transformation and Synthesis of Sentences

Unit 4:

1. Phrasal Verbs
2. Concord
3. Determiners
4. Commonly Confused Words

References:

High School English Grammar and Composition. Wren and Martin

A Remedial English Grammar for Foreign Students. F.T. Wood

A Novel Beginning. Board of Editors. Urmila Dabir et al. Orient Blackswan

Initiations: Minor Literary Forms and Basics of Phonology. Board of Editors. Ashok Chaskar et al. Orient Blackswan

Inspirations. Board of Editors. B.B Choubey et al. Orient Blackswan

Pathmaker: A Textbook for College Students. Board of Editors. Dr. Shriram Gahane et al. Orient Blackswan.

Rhymes and Sketches. Board of Editors. D.V.Naik et al. Orient Blackswan.

New Horizons. Board of Editors. Prof. Rajinder et al. Orient Blackswan.

Igniting Minds. Board of Editors. Inderjeet K Orke et al. Orient Blackswan.

Exploring New Horizons. Board of Editors. Orient Blackswan.

Literary Experiences. Board of Editors. Orient Blackswan. *Exploring New Horizons.* Board of Editors. Orient Blackswan.

SEMESTER - I

Hindi

Name of Program	Not to be filled	Program Code	Not to be filled
Name of the Course	हिंदी भाषा और साहित्य का इतिहास – 1	Course Code	25HND501MI01OD
Hours per Week	04	Credits	04
Maximum Marks	100	Time of Examinations	03 Hours

Note:

Examiner will set nine questions and the candidates will be required to attempt five questions in all. Question number one will be compulsory containing short answer type questions from all units. Further, examiner will set two questions from each unit and the candidates will be required to attempt one question from each Unit. All questions will carry equal marks.

Course Learning Outcomes (CLO):

इतिहास के प्रति आलोचनात्मक-विश्लेषणात्मक ज्ञान के द्वारा हिंदी भाषा और साहित्य-इतिहास को संतुलित रूप से प्रस्तुत किया जा सकेगा।

इकाई 1: (क) हिंदी भाषा का विकास सामान्य परिचय

- * हिंदी भाषा का उद्भव
- * हिंदी भाषा की बोलियाँ
- * हिंदी भाषा का विकास आदिकालीन हिंदी, मध्यकालीन हिंदी, आधुनिक हिंदी

इकाई 2 आदिकाल: परिचय, पृष्ठभूमि और प्रवृत्तियाँ

- * आदिकाल: काल-विभाजन एवं नामकरण
- * आदिकाल: पृष्ठभूमि/प्रवृत्तियाँ
- * आदिकाल की प्रमुख प्रवृत्तियाँ (रासो साहित्य, धार्मिक साहित्य, लौकिक साहित्य)

इकाई तीन: भक्तिकाल: परिचय एवं पृष्ठभूमि

- * भक्तिकाल: पृष्ठभूमि/परिस्थितियाँ
 - * भक्ति आंदोलन: उद्भव और विकास
- भक्तिकाल: हिंदी साहित्य का स्वर्ण युग

इकाई चार: भक्तिकाल: प्रतिनिधि कवि एवं प्रवृत्तियाँ

- * संत काव्यधारा
- * सूफी काव्यधारा
- * रामभक्ति काव्यधारा
- * कृष्ण भक्ति काव्यधारा

References: 1. हिंदी भाषा : धीरेन्द्र वर्मा

2. हिंदी भाषा की संरचना : भोलानाथ तिवारी
3. हिंदी साहित्य का इतिहास : आ. रामचंद्र शुक्ल
4. हिंदी साहित्य का इतिहास : सं. डॉ. नगेंद्र
5. हिंदी साहित्य के इतिहास पर कुछ नोट्स : डॉ. रसाल सिंह
6. हिंदी साहित्य का अतीत : विश्वनाथ प्रसाद मिश्र

SEMESTER - I
Mathematics

Name of Program		Program Code	
Name of the Course	BASIC MATHEMATICS	Course Code	25MAT401MI01OD
Hours per Week	04 Hours	Credits	04 Credits
Maximum Marks	100 {External (term-end exam) – 70} (Internal – 30)	Time of Examinations	03 Hours
Course Learning Outcomes (CLO):			Mapped PLOs
CLO 1: Understand and compute partial derivatives up to the second order for multivariable functions.			PLO1, PLO3, PLO6
CLO2: Use methods of integration to solve many real life problems.			PLO2, PLO3, PLO6
CLO3: Obtain maxima and minima of several functions.			PLO1, PLO2
CLO4: Define matrices, recognize their types, and perform matrix addition, subtraction, and multiplication.			PLO2, PLO3, PLO6
CLO5: Solve several system of linear equations using matrices			PLO1, PLO3, PLO6
Note: Examiner will set nine questions and the candidates will be required to attempt five questions in all. Question No. 1 will be compulsory containing four short answer type questions from all sections. Further, examiner will set two questions from each section and the candidates will be required to attempt one question from each Section. All questions will carry equal marks.			
Section – I			
Calculus: (Problems and theorems involving trigonometrically ratios are not to be done). Differentiation: Partial derivatives up to second order; Homogeneity of functions and Euler's theorem; total differentials, Differentiation of implicit function with the help of total differentials. Maxima and Minima; Cases of one variable involving second or higher order derivatives; Cases of two variables involving not more than one constraint.			
Section – II			
Integration: Integration as anti-derivative process; Standard forms; Methods of integration by substitution, by parts, and by use of partial fractions; Definite integration; Finding areas in simple cases; Consumers and producers surplus; Nature of Commodities learning Curve; Leontiff Input-Output Model.			
Section – III			
Matrices: Definition of matrix; Types of matrices; Algebra of matrices.			
Section – IV			
Determinants: Properties of determinants; calculation of values of determinants up to third order; Adjoint of a matrix, through Adjoint and elementary row or column operations; Solution of system of linear equations having unique solution and involving not more than three variables.			
References: <ol style="list-style-type: none"> 1. Allen R.G.D: Basic Mathematics; Mcmillan, New Delhi, 1971. 2. Volra. N. D. Quantitative Techniques in Management, Tata McGraw Hill, New Delhi, 1990. 3. Kapoor V.K. Business Mathematics: Sultan chand and sons, Delhi, 1985. 			

SEMESTER - I**Sanskrit**

Name of Program	Not to be filled	Program Code	Not to be filled
Name of the Course	संस्कृत – 1	Course Code	25SKT401MI01OD
Hours per Week	4	Credits	4
Maximum Marks	100	Time of Examinations	3 Hours

Note:

Examiner will set nine questions and the candidates will be required to attempt five questions in all. Question number one will be compulsory containing short answer type questions from all units. Further, examiner will set two questions from each unit and the candidates will be required to attempt one question from each Unit. All questions will carry equal marks.

Course Learning Outcomes (CLO):

CLO 1: The students will be able to gain basic understanding of Sanskrit poetry.

CLO 2: The students will be able to gain basic understanding of Sanskrit prose.

CLO 3: The students will be able to gain understanding of Sanskrit nouns.

CLO 4: The students will be able to gain understanding of Sanskrit verbs.

CLO 5: The students will be able to make simple translation from Hindi to Sanskrit.

Unit 1:

संस्कृत चयनिका, कुरुक्षेत्र विश्वविद्यालय प्रकाशन – पद्यभाग – 1-6 पाठ

Unit 2:

संस्कृत चयनिका, कुरुक्षेत्र विश्वविद्यालय प्रकाशन – गद्यभाग – 1-10 पाठ

Unit 3:

शब्दरूपाणि – बालक, कवि, साधु, मातृ, पितृ, सर्व (तीनों लिङ्गों में)

धातुरूपाणि – भू, अस्, वद्, गम्, पठ्, स्था, (लट्, लृट्, लोट्, लङ्, विधिलिङ्ग लकारों में)

Unit 4:

सन्धि – स्वर सन्धि, परिभाषा रहित प्रयोग मात्र

अनुवाद – सरल हिन्दी वाक्यों का संस्कृत में अनुवाद

References:

1. Sanskrit Chayanika, Kurukshetra Vishvavidyalaya Prakashan.
2. Misha, Dr. Yadunandan, Anuvada Chandrika, Chaukhambha Orientaliya, Delhi, 2021.
3. Apte, Vaman Shivram, Student's Guide to Sanskrit Composition, The Standard Publishing Company, Girgaon, Bombay, 1925.
4. Tripathi, Dr. Brahmananda, Rupa Chandrika, Chaukhamba Surbharati Prakashan, Varanasi, 2008.
5. Kridanta Rupa Mala-Srijan Jha-App. Available on Google Play Store.
6. Dwivedi Kapil Dev: Prarambhik Rachnanuvadakaumudi Vishvavidyalaya Prakashan, Varanasi, UP, 2019.

SEMESTER - I
Economics

Name of Program	UG	Program Code	
Name of the Course	Basics of Economics	Course Code	25ECO401MI01OD
Hours per Week	4	Credits	4
Maximum Marks	Total Theory Internal 100 70 30	Time of Examinations	3

Note:

Examiner will set nine questions and the candidates will be required to attempt five questions in all. Question number one will be compulsory containing short answer type questions from all units. Further, examiner will set two questions from each unit and the candidates will be required to attempt one question from each Unit. All questions will carry equal marks.

Course Learning Outcomes (CLO):

CLO 1: Students have a basic understanding of Economics

CLO 2: Students are Aware of the current challenges faced by any economy

Unit 1:

What is an Economy? Central Problems of an economy: What, how and for whom to produce, concept of production possibility function and opportunity cost.

Unit 2:

Consumer's equilibrium-meaning of utility, marginal utility, conditions of consumer's equilibrium

Unit 3:

Demand, market demand, determinants of demand, demand scheduled, price elasticity of demand, factors effecting price elasticity of demand

Unit 4:

Cost and revenue: total cost, total fixed cost, total variable cost, average cost, average fixed cost, average variable cost, revenue- total revenue and marginal revenue, meaning their relationship

References:

- Koutsoyiannis, A: (1979): Modern Microeconomics (2nd ed), Macmillan Press, London.
- Sen, A (1999): Microeconomics: Theory and Applications, Oxford University Press, New Delhi.
- Varian, H(2000): Microeconomic Analysis, W.W. Norton, New York.
- Baumol, W.J: (1982): Economic Theory and Operations Analysis, Prentice Hall of India, New Delhi.
- Bain, J (1958): Barriers to New Competition, Harvard University Press, Harvard
- Henderson, J.M. and Quandt (1980): Micro Economic Theory: A Mathematical Approach, Mc Graw Hill, New Delhi.

SEMESTER - I
Public Administration

Name of Program	Public Administration	Program Code	UMBA4
Name of the Course	Introduction to Public Administration	Course Code	25PUB401MI01OD
Hours per Week	04	Credits	4
Maximum Marks	Theory Internal 70 30	Time of Examinations	3 Hours

Note:

Examiner will set nine questions and the candidates will be required to attempt five questions in all. Question number one will be compulsory containing short answer type questions from all units. Further, examiner will set two questions from each unit and the candidates will be required to attempt one question from each Unit. All questions will carry equal marks.

Course Learning Outcomes (CLO):

CLO 1: Increases understanding about the emergence of Public Administration as a discipline and as an activity.

CLO-2. Generates understanding among the students about the relationship of Public Administration with various disciplines.

CLO-3. Students would become well versed with organization and its various Principles.

CLO-4. Students would get knowledge about the Chief Executive, its main agencies

Unit 1:

Public Administration: Meaning, Nature, Scope & Significance; Public Administration: Art or Science;. Public Administration and Private Administration: Similarities and Differences.

Unit 2:

Public Administration and its Relations with Political Science, Economics, History, Sociology, Psychology, Geography etc.; New Public Administration.

Unit 3:

Organization: Meaning and Bases & Types

Principles of Organization: Hierarchy, Co-ordination, Centralization and Decentralization,.

Unit 4:

Chief Executive: Functions & Role, Line, Staff & Auxiliary Agencies, Independent Regulatory Commissions (IRCs), Public Corporation.

Suggested Readings:

- Public Administration Concept and Theory, Rumki Basu Publisher: Sterling, 2019
- Bhattacharya, M. (2018). New Horizons of Public Administration. Jawahar Publishers & Distributors. Gurugram, Haryana.
- B.L. Fadia & K. Fadia, Public Administration (Administrative Theories), Sahitya Bhawan Publication, Agra, 2015.
- Chahar, S.S., Lok Prashasan ka Sidhant, Haryana Sahitya Publication, 2013.
- Bidyut Chakrabarty and Prakash Chand, Public Administration in a Globalizing World: Theories and Practices, Sage, New Delhi, 2012.
- Theory of Public Administration, R P Gajanan, Anoop Sharma, Crescent Publishing House, 2011
- Smita Srivastava, Theory and Practice of Public Administration, Pearson, Noida (U.P), 2011.
- D.Ravindra Prasad and Y. Pardhasaradhi (eds.), Public Administration: Concepts, Theories and Principles (Eng), Telugu Akademi, Hyd, 2011.
- Hoshier Singh and Pradeep Sachdeva, Public Administration Theory & Practice, Pearson Education India, 2010.
- Dubey, R.K., Aadhunik Lok Prashasan: Modern Public Administration, Laxmi Narayan Agarwal Publishers, Agra, 2007
- Theory and Practice of Public Administration. S. N. Mishra, Sweta Mishra, Jnanada Prakashan, 2007
- Sharma M.P. & Sadana B.L., Public Administration in Theory and Practice, Allahabad: Kitab Mehal, 2003.
- Avasthi, A. & Maheshwari, S.R., Public Administration, Agra: Laxmi Narain Aggarwal, 2001.
- K.K. Puri and G.S. Brara, Public Administration: Theory and Practice, Bharat Prakashan, Jalandhar, 2000.

SEMESTER - I
Political Science

Name of Program		Program Code	
Name of the Course	Social Movements in India	Course Code	25POL401MI01OD
Hours per Week	4	Credits	4
Maximum Marks	100 External: 70 Internal : 30	Time of Examinations	3

Note:

Examiner will set nine questions and the candidates will be required to attempt five questions in all. Question number one will be compulsory containing short answer type questions from all units. Further, examiner will set two questions from each unit and the candidates will be required to attempt one question from each Unit. All questions will carry equal marks.

Course Learning Outcomes (CLO):

CLO 1: To familiarize the students about the meaning and need of social movements in present democracies.

CLO 2: To make them assess the theories and approaches behind the study related to the mass and social movements.

CLO 3: To make them understand about the changing nature and emerging contours in the field of social movements in India

Unit 1:

Social movements and New Social movements

Unit 2:

Approaches to the study of social movements: Marxist theory, Gandhian theory, Resource Mobilisation theory, Relative Deprivation theory

Unit 3:

Globalisation and Social Movements in India, Environmental movements, Tribal movements

Unit 4:

Women's movements, Civil rights movements

References:

- A. Mozoomdar, (1994) 'The Rise and Decline of Development Planning in India', in T. Byres(ed.) *The State and Development Planning in India*. Delhi: Oxford University Press, pp.73-108.
- A. Varshney, (2010) 'Mass Politics or Elite Politics? Understanding the Politics of India's Economic Reforms' in R. Mukherji (ed.) *India's Economic Transition: The Politics of Reforms*, Delhi: Oxford University Press, pp 146-169.
- P. Chatterjee, (2000) 'Development Planning and the Indian State', in Zoya Hasan (ed.), *Politics and the State in India*, New Delhi: Sage, pp.116-140.
- P. Patnaik and C. Chandrasekhar, (2007) 'India: Dirigisme, Structural Adjustment, and the Radical Alternative', in B. Nayar (ed.), *Globalization and Politics in India*. Delhi: Oxford University Press, pp. 218-240.
- P. Bardhan, (2005) 'Epilogue on the Political Economy of Reform in India', in *The Political Economy of Development in India*. 6th impression, Delhi: Oxford University Press.
- T. Singh, (1979) 'The Planning Process and Public Process: a Reassessment', *R. R. Kale Memorial Lecture*, Pune: Gokhale Institute of Politics and Economics.
- A. Aggarwal, (2006) 'Special Economic Zones: Revisiting the Policy Debate', in *Economic and Political Weekly*, XLI (43-44), pp.4533-36.
- B. Nayar (1989) *India's Mixed Economy: The Role of Ideology and its Development*, Bombay: Popular Prakashan.
- F. Frankel, (2005) 'Crisis of National Economic Planning', in *India's Political Economy (1947-2004): The Gradual Revolution*, Delhi: Oxford University Press, pp. 93-340.
- L. Fernandes, (2007) *India's New Middle Class: Democratic Politics in an Era of Economic Reform*, Delhi: Oxford University Press.
- S. Shyam, (2003) 'Organizing the Unorganized', in *Seminar*, [Footloose Labour: A Symposium on Livelihood Struggles of the Informal Workforce, 531] pp. 47-53.
- S. Chowdhury, (2007) 'Globalization and Labour', in B. Nayar (ed.) *Globalization and Politics in India*, Delhi: Oxford University Press, pp.516-526.

SEMESTER - I

History

Name of the Program	Under Graduate Single Major Programme	Program Code	USHIS4
Name of the Course	<u>Science and Technology in India (Earliest times to 1757 CE)</u>	Course Code	25HIS401MI01OD
Hours per week	4	Course Credits	4
Max. Marks	100 {External (term-end exam) – 70} (Internal – 30)	Time of Examination	3 Hours
Note: Examiner will set nine questions and the candidates will be required to attempt five questions in all. Question number one will be compulsory containing short answer type questions from all units. Further, examiner will set two questions from each unit and the candidates will be required to attempt one question from each Unit. All questions will carry equal marks.			
Course Learning Outcomes: <ol style="list-style-type: none">1. Students will be able to get the basic knowledge of science and technology.2. Students will be able to understand the impacts of science and technology on mankind.3. Students will be able to get basic knowledge of development of science and technology.4. Students will be able to effectively understand the relevance of science and technology for Society.			
Unit - I			
<ol style="list-style-type: none">1. Science and Technology: Meaning and Scope2. Sources of History of Science and technology in India3. Origins and development of technology in pre-historic period4. Beginnings of agriculture and its impact on the growth of science and technology			
Unit – II			
<ol style="list-style-type: none">1. Science and technology during Vedic and later Vedic times including physical and biological sciences2. Major developments in the history of science and technology from AD 1st century to c. 1000 A.D.3. Major developments in the history of science and technology from 1000 A.D. to 18th Century A.D.4. India's Interaction with China, Central and West Asia			

Unit – III
<ol style="list-style-type: none"> 1. Development of Nyaya Philosophy and its Social Context 2. Philosophical Concepts Relevant to Sciences in Indian Tradition 3. Developments in astronomy with special references to Aryabhata, Varamihira and Bhaskara-I 4. Developments in medicine and surgery: Charaka and Sushruta Samhitas and subsequent developments in human anatomy, physiology and materia medica
Unit – IV
<ol style="list-style-type: none"> 1. Concept of rationality and scientific ideas in Arab thought and its reception in India 2. New Developments in technology - Persian wheel; gun-powder, textiles, bridge building, etc 3. Developments in medical knowledge and interaction between Unani and Ayurveda and Alchemy 4. Astronomy in the Arab world and its impact on India with special reference to Sawai Jai Singh
References:
<ul style="list-style-type: none"> • Ainslie, W., Materia Indica, New Delhi, 1984 • Bhagvat, Sinjee, Aryan Medical Science: A Short History, New Delhi, 1981 • Castiglioni, Arturo, History of Medicine, London, 1947 • Chattopadhyaya, D. P., Medicine and Life Sciences in India, Vol. IV (2), New Delhi, 2009 • Devid, Arnold, Science, Technology and medicine in Colonial India. The New Cambridge History of India Series, Cambridge, 1999 • Gyan Prakash, Another Reason: Science and the Imagination of Modern, New Delhi, 2000 • Hammed, Hakeem Abdul, Exchanges Between India and Central Asia in the Field of Medicine, New Delhi, 1986 • Jolly, J., Indian Medicine, New Delhi, 1997 • Kumar, Deepak, Disease and Medicine in India: A Historical Overview, New Delhi, 2000 • Kumar, Deepak, Science and the Raj, New Delhi, 1995 • Qaiser, A. J., The Indian Response to European Technology and Culture, New Delhi, 1982 • Raina, D. and Habib I., Situating History of Science: Dialogues with Joseph Needham, New Delhi, 1999 • Sangwan, S., Science, Technology and Colonization: Indian Experience, New Delhi, 1990

Note: In addition, students are advised to consult the current Research Journal of History.

B2) SKILL ENHANCEMENT COURSES (SEC)**SEMESTER - 1**

Hindi

Name of Program		Program Code	
Name of the Course	भाषाई दक्षता	Course Code	25HND401SE01OD
Hours per Week	3	Credits	3
Maximum Marks	75		
<p>Examiner will be required to set NINE questions in all. Question No. 1 will be compulsory which consists of 12 short-answer type questions each of 2 marks covering the entire syllabus out of which candidate will be required to attempt eight questions. In addition to Q.No.1, candidate will be required to attempt four more questions from the remaining eight questions each carrying 16 marks.</p>			
Course Learning Outcomes (CLO): <ol style="list-style-type: none"> भाषाई दक्षता का विकास विद्यार्थियों की कार्य कुशलता में वृद्धि विषय के संक्षेपण एवं पल्लवन की कुशलता का विकास 			
Unit 1: <p>भाषाई दक्षता का विकास</p> <p>भाषाई दक्षता से तात्पर्य</p> <p>भाषाई दक्षता का महत्व</p> <p>श्रवण और वाचन</p> <p>पठन और लेखन</p>			
Unit 2: भाषाई दक्षता की निर्माण प्रक्रिया <p>भाषाई संरचना की समझ और विकास</p> <p>भाषा – व्यवहार (भाषिक प्रयोग और शैली)</p> <p>भाषाई क्षमता को प्रभावित करने वाले तत्व (आयु, लिंग, शिक्षा, वर्ग)</p>			

<p>Unit 3: भाषाई दक्षता का प्रायोगिक पक्ष</p> <p>भाषाई दक्षता की रणनीति : आंकलन, लक्ष्य निर्धारण, नियोजन के स्तर पर</p> <p>शब्द—सामर्थ : सामान्य एवं तकनीकी शब्द</p> <p>सुनना और बोलना — प्रभावी श्रवण के आयाम, शुद्ध उच्चारण, भाषण, एकालाप, वार्तालाप</p> <p>पढ़ना और लिखना — स्वाध्याय और उद्देश्य-केंद्रित पठन, सामान्य लेखन और रचनात्मक लेखन</p>
<p>Unit 4: भाषाई दक्षता का व्यावहारिक पक्ष</p> <p>किसी एक विषय पर — भाषण, वार्तालाप या टिप्पणी, समूह चर्चा</p> <p>किसी एक विषय का भाव — विस्तार या पल्लनन</p> <p>द्रुतवाचन — किसी साहित्यिक कृति पर आधारित समीक्षा—पुस्तक—समीक्षा, फिल्म—समीक्षा</p>
<p>References: 1. भाषाशिक्षण — रवीन्द्रनाथ श्रीवास्तव</p> <p>2. सृजनात्मक साहित्य — रवीन्द्रनाथ श्रीवास्तव</p> <p>3. व्यावसानिक हिंदी — दिलीप सिंह</p> <p>4. प्रयोजनमूलक हिंदी — दंगल झाल्टे</p> <p>5. आधुनिक पत्रकारिता — डॉ. अनुज तिवारी</p> <p>6. व्यावहारिक हिंदी एवं प्रयोग — डॉ. ओम प्रकाश</p> <p>7. जनमाध्यम प्रौद्योगिकी और विचारधारा — जगदीश्वर चतुर्वेदी</p>

SEMESTER - I
English

Name of Program		Program Code	
Name of the Course	Basics of Communication and Soft Skills	Course Code	25ENG401SE01OD
Hours per Week	03	Credits	03 (L- 3-T- 0-P- 0)
Maximum Marks	20+20+20+10+5 = 75		
Course Learning Outcomes (CLO):			
CLO 1. To motivate students to develop confidence in order to communicate and connect in multiple contexts			
CLO 2. To improve students’ basics of grammar by enabling their understanding of key passages/grammar/comprehension.			
CLO 3. To enable students in order to develop their Soft skills with practical learning ideal for students pursuing diverse careers			
Unit 1: <ul style="list-style-type: none">• Introduction and Scope of Communication• Effective Communication• Verbal and Non-Verbal Communication• Process of Communication• Barriers of Communication			
Unit 2: <ul style="list-style-type: none">• Subject -Verb Agreement• Simple, Complex, Compound, Compound-Complex Sentences• Phrasal Verbs, Idioms and Phrases, One word Substitution• Homophones , Homonyms and Homographs			
Unit 3: <ul style="list-style-type: none">• Comprehension Skills• Précis Writing, Report Writing, Essay Writing• Preparing Bio-Data/ Resume/CV• Interview , Presentation Skills and Group Discussion			

Unit 4:

- Soft Skills
- Time Management and Stress Management
- Leadership Skills
- Problem Solving
- Personality Development and Emotional Quotient

References:

- *Developing Communication Skills* by Mohan, Krishna, and Meera Banerji
- *English and Soft Skills* by S. P. Dhanvel
- *Step Ahead with English* Orient BlackSwan
- *Soft Skills* S.Chand
- *English Grammar and Composition*. By Wren and Martin
- *Essential English Grammar* by Murphy, Raymond
- *Learn Correct English* by Kumar, Shiv K .
- *Creative Writing* By Dev, Anjana
- *Communication Skills for Professionals* by Konar, Nira
- *English Syntax and Argumentation* by Aarts, Bas
- *Practical English Usage* by Swan, Michael
- *A Practical English Grammar* by Thomson, A. J. and A. V. Martinet.

FORMATIVE ASSESSMENT EVALUATION PROCESS

	Marks distribution
Written test (2 X 10)	20
MCQs/ Quizzes/ Group Discussion (2 X 10)	20
Assignment/Case study / Mini project (2 X 10)	20
Seminar / Presentation	10
Attendance	05
Total	75

SEMESTER - 1
Sanskrit

Name of Program		Program Code	
Name of the Course	वैदिक यज्ञ पद्धति	Course Code	25SKT401SE01OD
Hours per Week	6	Credits	3 (Practical)
Maximum Marks	75		

Note : Formative Assessment Model

	Marks distribution
Regular assessment through observation and class discussion	10
Lab work (practical file) / Field work (report)/Portfolio	30
Assignment/Case study / Mini project (2 X 10)	20
Seminar / Presentation	10
Attendance	05
Total	75

Course Learning Outcomes (CLO):

CLO 1: the students will be able to know vedic yajnas and their procedure.

CLO 2: the students will be able to know various types of yajnas.

CLO 3: the students will be able to understand the Nitya-Karma and their procedure.

CLO 4: the students will be able to understand the Naimitika-Karma and their procedure.

Unit 1:

यज्ञ – अर्थ, प्रयोजन, महत्त्व, प्रकार यज्ञीय साहित्य कल्प।

Unit 2:

ब्रह्म यज्ञ – (स्वरूप एवं विधि)

Unit 3:

देव यज्ञ - (स्वरूप एवं विधि)

Unit 4:

बलिवैश्वदेव यज्ञ, पितृ यज्ञ एवं अतिथि यज्ञ (स्वरूप एवं विधि)

References:

1. पञ्चमहायज्ञविधि – स्वामी दयानन्द सरस्वती।
2. संस्कार विधि – स्वामी दयानन्द सरस्वती।
3. संस्कार चन्द्रिका – डॉ. सत्यव्रत सिद्धान्तालङ्कार।

SEMESTER - I

History

Name of the Program		Program Code	
Name of the Course	<u>History and Tourism</u>	Course Code	25HIS401SE01OD
Hours per week	3	Course Credits	3
Course Learning Outcomes (CLO) : <ol style="list-style-type: none">1. Students will be able to know the concept of Tourism in History.2. Students will be able to know types of Tourism.3. Students will be able to get basic knowledge of planning and development of Tourism in History.4. Students will be able to effectively understand the relevance of Tourism for society.			
Unit - I			
Concept of Tourism <ol style="list-style-type: none">1. Definition, Nature and Scope2. Tourists and Excursionists3. Domestic Tourist4. International Tourist			
Unit – II			
History of Tourism <ol style="list-style-type: none">1. Early Period Greek, Roman, Chinese and Indian Conception of Tourism2. Medieval Period Grand Tour-Italy, Arab and European Travelers-Alberuni, Marcho Polo, Ibna-batuta etc.3. Modern period- Rise of Organized tour in Europe and India-Thomas Cook Company etc.			
Unit – III			
Types of Tourism <ol style="list-style-type: none">1. Heritage Tourism2. Recreation Tourism3. Health Tourism4. Environmental Tourism			
Unit – IV			
Planning and Development of Tourism <ol style="list-style-type: none">1. Policies: Government of India2. Policies: Government of Haryana3. UNESCO Guidelines			

SEMESTER - I
Public Administration

Name of Program		Program Code	
Name of the Course	Digital Technology in Governance	Course Code	25PUB401SE01OD
Hours per Week	03	Credits	3
Maximum Marks			75
Course Learning Outcomes (CLO): CLO 1: Gaining theoretical understanding about the concept, theory and models of E-governance CLO 2: Learning practical application of e-governance in different walks of life CLO 3: Awareness of various e-governance initiatives undertaken to deliver Public services to the stakeholders CLO 4: Developing necessary skills to use and operate e-governance or digital service delivery			
Unit 1: Meaning, Definitions, Scope and Significance of E-Governance, Types of interactions: Government to Citizens (G2C), Government to Business (G2B) and Government to Government (G2G).			
Unit 2: Evolution of e-Governance in India, Digital Governance, E- Public Service Delivery			
Unit 3: Information & Technology Act – 2000: Salient Features and its Importance, National e-Governance Plan, 2006.			
Unit 4: National E-Governance Policy, 2012, Ministry of Information & Technology: Structure and Functions, Issues & Challenges of E-governance.			
Suggested Readings: <ul style="list-style-type: none"> Sumathy, M. (2021). A Handbook Of E-Governance in India. Abhijeet Publication. Trotta, Anthony (2018). E – Governance: Theory and application of Technology Initiatives. Routledge. 			

- Tripathi, V.K. (2016). E – Governance, Leadership and Citizen Administration.Omage.
- Miluwi, Joshua O. & Rashid,Hina (2013). E–Governance Democracy and Administration Strategy.Manglam.
- Islam, Muhammad Muinul& Ehsan, Mohammad (2012). From Government to E-Governance: Public Administration in the Digital Age. IGI Global.
- Milakovich, Michael E. (2011). Digital Governance: New Technologies for Improving Public Service and Participation. Routledge.
- Government of India (2008). Promoting E–Governance: The SMART Way forward, 11th Report of 2nd Administrative Reforms Report.
- Tripathi, Vishwas (2007). E–Governance: Perspective and Challenges. Anmol.
- Deva, Vasu (2005).E-Governance in India–A Reality. Commonwealth.
- Sharma,Pankaj (2004). E–Governance. APH.
- Singh, Uttam Kumar, Nayak, Akshya Kumar & Chiranjeev, Avinash (2011). E-Governance. Jnanada.

SEMESTER - I

Political Science

Name of Program	B.A. Multidisciplinary	Program Code	UMBA4
Name of the Course	Disaster Management	Course Code	25POL401SE01OD
Hours per Week	3	Credits	3

Course Learning Outcomes (CLO):

CLO 1: The course is intended to provide a general concept in the disasters caused by nature beyond the human control as well environmental

CLO 2: hazards induced by human activities with emphasis on disaster response and recovery.

Unit 1:

Disaster Management: Meaning, Concepts, Principles, Scope, Objectives, Approaches and

Elements of Disaster Management

Unit 2:

Disaster Mitigation: Hazard Assessment, Vulnerability Assessment, Risk Assessment, Protective Measures and Public Information

Disaster Preparedness: Disaster Plan, Damage Inspection, repair and Recovery procedures, Communication and Control Centers, Disaster Forecasting, Warning and Prediction

Unit 3:

Disaster Relief: Rapid Damage Assessment, Search and Rescue operations, Evacuation and Shelter, Food and Medical Supply, Mass Media Coverage, Relief Aid, Maintaining Public Order

Unit 4:

Reconstruction Planning: Meaning and Significance Economic and Social Rehabilitation

References:

1. Beatley, Timothy (1998). *The Vision of Sustainable Communities*, In Burby, Raymond (ed.), *Cooperating with Nature: Confronting Natural Hazards with Land-Use Planning for Sustainable Communities*, Washington, D.C., Joseph Henry Press.
2. David Godschalk, Timothy Beatley, Philip Berke, David Brower, Edward J. Kaiser (1998). *Natural Hazard Mitigation: Recasting Disaster Policy And Planning*, Island Press.
3. FEMA (2000). *Planning for a Sustainable Future: The Link between Hazard Mitigation and Livability*. Washington, D.C.
4. Godschalk, David R., Timothy Beatley, Philip Berke, David J. Brower, and Edward J. Kaiser

References:

- Aukland, K., Retailing religion: guided tours and guide narratives in Hindu pilgrimage, 2016
- Bagri, S. C. and Ashish Dahiya, Hospitality Management: Trends and Issues, New Delhi, 2008
- Bagri, S. C. and Suresh B. A., Career in Tourism Administration, Employment News, February: 14-20, Vol.XXXIII (46), 2009
- Bagri, S. C., Hospitality Industry: Contemporary Issues and Challenges, Garhwal, 2009
- Becker, E. Overbooked: The Exploding Business of Travel and Tourism. Simon and Schuster, New York, 2016
- Bhardwaj, D. S., K.K. Kamra, and M. Chaudhary, Tourism Education: An Emerging Essential, New Delhi, 2006
- Brown, F. Tourism Reassessed: Blight or Blessing, New York, 2010
- Getz, D. Event tourism: Definition, Evolution, and Research, Tourism Management, Vol. 29 (3), 2008
- Heitzenrater, Richard P., History and tradition, Church History, Vol. 71 (3), 2002
- Jalabi, R., Ancient Iraqi city of Babylon designated UNESCO World Heritage Site, 2019
- Mathieson, A. and Wall, G., Tourism: Economic, Physical, and Social Impacts, UK, 1982
- Page, Stephen, J., Tourism Management, ELSEVIER, 2009
- Prokopis A. Christou, The History and Evolution of Tourism, ePDF, 2022
- S.P. Bansal, S. Sushama and C. Mohan, Cutting edge research in tourism, Chandigarh, 2002
- Santa, E. D. and Tiatco, A., Tourism, Heritage and Cultural Performance: Developing a Modality of Heritage Tourism, Tourism Management Perspectives, Vol. 31, 2019
- Shinde, K., Policy, planning, and management for religious tourism in Indian pilgrimage sites, 2012, <https://doi.org/10.1080/19407963.2012.726107>
- Towner, J. and G. Wall, History and tourism, 1990, [https://doi.org/10.1016/0160-7383\(91\)90040-I](https://doi.org/10.1016/0160-7383(91)90040-I)
- Wright, D. W. M., Hunting humans: a future for tourism in 2200, 2016, <https://doi.org/10.1016/j.futures.2016.03.021>

Note: In addition, students are advised to consult the current Research Journal of History and Tourism.

SEMESTER - I

Mathematics

Name of Program	B.A. / B.Sc.	Program Code	Not to be filled
Name of the Course	Mathematical Programming in C and Numerical Methods	Course Code	25MAT401SE01OD
Hours per Week	05	Credits	03
Maximum Marks	75	Time of Examinations	03 Hours
Course Learning Outcomes (CLO):			Mapped PLOs
CLO 1: Develop C programs and execute them.			PLO7, PLO9
CLO 2: Write the C code for a given algorithm.			PLO7, PLO9
CLO 3: Learn conditional statements, logical statements and their programs along with array implementation.			PLO7, PLO9
CLO 4: Use structures effectively in C, including arrays of structures and nested structures.			PLO7, PLO9
CLO 5: Apply numerical methods using C language.			PLO1, PLO2, PLO9
Section - I			
Programmer's model of a computer, Algorithms, Flow charts, Data types, Operators and expressions, Input / Output functions. Decisions control structure: Decision statements, Logical and conditional statements, Implementation of Loops, Switch Statement & Case control structures. Functions, Preprocessors and Arrays.			
Section - II			
Strings: Character Data Type, Standard String handling Functions, Arithmetic Operations on Characters. Structures: Definition, using Structures, use of Structures in Arrays and Arrays in Structures. Pointers: Pointers Data type, Pointers and Arrays, Pointers and Functions.			
Section - III			
Solution of Algebraic and Transcendental equations: Bisection method, Regula-Falsi method, Secant method, Newton-Raphson's method. Newton's iterative method for finding pth root of a number, Order of convergence of above methods.			
Section - IV			
Simultaneous linear algebraic equations: Gauss-elimination method, Gauss-Jordan method, Triangularization method (LU decomposition method). Crout's method, Cholesky Decomposition method. Iterative method, Jacobi's method, Gauss-Seidal's method, Relaxation method.			
Practical/ Computational Work			
List of Practicals			
<ol style="list-style-type: none"> 1. Algorithm and flowchart to find the largest of three numbers. 2. Accept two numbers and display their sum, difference, product, and quotient. 3. Program to swap two numbers using a temporary variable and without using a temporary variable. 4. Program to Convert Celsius to Fahrenheit and vice versa. 			

5. Program to check whether a number is even or odd using `if-else`.
6. Program to check if a year is a leap year using nested `if`.
7. Program to use menu-driven calculator using `switch-case`.
8. Program to check whether a character is a vowel or consonant.
9. Program to find factorial of a number using `for` loop, `while` loop, recursion
10. Program to calculate power of a number using user-defined function.
11. Program to implement macro definitions using `#define`.
12. Program to:
 - a. Accept and display elements of a 1D and 2D array.
 - b. Find the sum and average of elements of an array.
 - c. Find maximum and minimum in an array.
 - d. Perform matrix addition, subtraction, and multiplication.
13. Program to:
 - a. Count vowels, consonants, digits and special characters in a string.
 - b. Reverse a string.
 - c. Check if a string is a palindrome.
 - d. Use string functions: `strlen`, `strcpy`, `strcmp`, `strcat`.
14. Program to define a structure for student data (roll no, name, marks) and:
 - a. Display student data.
 - b. Calculate average marks of n students.
15. Program to create an array of structures for employee data.
16. Program to demonstrate pointer basics: declaration, initialization, and dereferencing.
17. Program to use pointers with:
 - a. Arrays
 - b. Strings
 - c. Functions (pass by reference)
18. Program for dynamic memory allocation using `malloc` and `free`.
19. Program to find the root of an equation using:
 - a. Bisection Method
 - b. Regula-Falsi Method
 - c. Secant Method
 - d. Newton-Raphson Method
 - e. Newton's Iterative Method for pppth root
20. Program to compare number of iterations and accuracy of different methods.

References:

1. B.W. Kernighan and D.M. Ritchie, The C Programming Language, 2nd Edition
2. V. Rajaraman, Programming in C, Prentice Hall of India, 1994
3. Byron S. Gottfried, Theory and Problems of Programming with C, Tata McGraw-Hill Publishing Co. Ltd., 1998
4. Babu Ram, Numerical Methods, Pearson Publication.
5. M.K. Jain, S.R.K. Iyengar, R.K. Jain, Numerical Method, Problems and Solutions, New Age International (P) Ltd., 1996
6. M.K. Jain, S.R.K. Iyengar, R.K. Jain, Numerical Method for Scientific and Engineering Computation, New Age International (P) Ltd., 1999
7. E. Balagurusamy, Programming in ANSI C, Tata McGraw-Hill Publishing Co. Ltd.

SEMESTER - I

Economics

Name of Program		Program Code	
Name of the Course	Data Types and Sources	Course Code	25ECO401SE01OD
Hours per Week	3	Credits	3
Maximum Marks	75 (Formative Assessment only)		
Course Learning Outcomes (CLO): CLO 1: Students are able to understand the concept of data and its significance in research contexts. CLO 2: Students are aware about various methods of collecting primary data, including interviews, observations, questionnaires, and schedules. CLO 3: Learners be able to identify diverse sources of secondary data. CLO 4: Students able to understand apply descriptive statistics techniques to analyze research data			
Unit 1: Data: meaning, types and importance of data in research, qualitative and quantitative data, primary and secondary data, Nominal, ordinal, interval, and ratio scale data.			
Unit 2: Sources of Primary Data: Interview method, observation method, questionnaire method, and schedule method. Advantages and Limitations of primary data.			
Unit 3: Sources of Secondary Data: Census Data, Newspapers, Periodicals, records maintained by various government and non-government agencies. Reports published by various commissions constituted by Government. Reports published by international agencies and organizations, Journals, books, and published articles. Advantages and Limitations of secondary data.			
Unit 4: Data Analysis: Descriptive statistics for data analysis, Frequency distribution, central tendency (mean, median and mode), and dispersion measures of association. Data Presentation: Textual, tabular, Diagrammatic, Graphs, histograms, frequency polygon, pie chart etc. data editing.			
References: ➤ "Research Methodology: A Step-by-Step Guide for Beginners" by Ranjit Kumar. ➤ Kothari, C.R."Research Methodology: Methods and Techniques." ➤ S.P. Gupta "Statistical Methods". ➤ Statistics for Business and Economics" by Paul Newbold, William L. Carlson, and Betty Thorne.			

C) ABILITY ENHANCEMENT COURSE (AEC)

SEMESTER – I

Name of Program		Program Code	
Name of the Course	English (One)	Course Code	25ENGX01AE01OD
Hours per Week	2	Credits	02 (L- 2 -T- 0-P- 0)
Maximum Marks	50		
<p>Examiner will be required to set NINE questions in all. Question No. 1 will be compulsory which consists of 12 short-answer type questions each of 2 marks covering the entire syllabus out of which candidate will be required to attempt eight questions. In addition to Q.No.1, candidate will be required to attempt four more questions from the remaining eight questions each carrying 16 marks.</p>			
<p>Course Learning Outcomes (CLO):</p> <p>CLO 1. Learners will be able to clarify the distinctive features of English speech sounds, transcribe the words and use the correct pronunciation of commonly used words</p> <p>CLO 2. The learner will be able to comprehend basic conversations revolving around friends, family, vacation, one's occupation, shopping or announcements at public places and understand the main points/themes discussed therein</p> <p>CLO 3. The learners will be able to develop vocabulary of fundamental level and use the basics of grammar for their communication needs at elementary level</p>			
<p>Unit 1:</p> <p>Introduction to Phonetics:</p> <ol style="list-style-type: none"> The role of sounds in communication and Phonetic Symbols of English language (as in <i>Oxford Advanced Learner's Dictionary</i>) Classification and description of speech sounds: Distinction between consonants and vowels Semivowels and Diphthongs <p>Transcription (of commonly used one or two syllable words)</p>			
<p>Unit 2:</p> <ul style="list-style-type: none"> Part of Speech – noun, pronoun, verb, article, adverb, adjective, preposition, conjunction and interjection, Punctuation 			
<p>Unit 3:</p> <ul style="list-style-type: none"> Subject-Verb agreement Active/passive <p>Narration</p>			
<p>Unit 4:</p> <ul style="list-style-type: none"> Basics of Reading Skills and Reading Strategies: Skimming, Scanning, Intensive Reading, Extensive Reading. Barriers to Effective Reading and steps to overcome them. 			
<p>References:</p> <ol style="list-style-type: none"> <i>English for Ability Enhancement</i> by Orient Blackswan. <i>English Phonetics for Indian Students</i> by Balasubramanian, T. <i>Better Spoken English</i> by Chaudhary, Shreesh. <i>Speak Better Write Better English</i> by Lewis, Norman. <i>Oxford Advanced Learner's Dictionary</i>. <i>Practical English Usage</i> by Swan, Michael <i>A Practical English Grammar</i> by Thomson, A. J. and A. V. Martinet. 			

D) MULTIDISCIPLINARY COURSES (MDC)**SEMESTER - I**

English

Name of Program		Program Code	
Name of the Course	Introduction to Short Story and Basic Grammar	Course Code	25ENGX01MD01OD
Hours per Week	03	Credits	03 (L- 3-T- 0-P- 0)
Maximum Marks	20+20+10+20+05 = 75		
Course Learning Outcomes (CLO): CLO 1. Students will develop an understanding of intermediate grammar. CLO 2. Students will be able to understand tenses. CLO 3. Students will be able to understand parts of speech, voice and narration. CLO 4. Comprehend different forms and techniques of short fiction.			
Unit 1: Short Stories <div><div>1. Leo Tolstoy:</div><div>“God Sees the Truth, But Waits”</div></div> <div><div>2. Anton Chekhov:</div><div>“Grief”</div></div> <div><div>3. R.K. Narayan:</div><div>“The Blind Dog”</div></div> <div><div>4. Bhisham Sahni:</div><div>“The Boy with a Catapult”</div></div>			
Unit 2: Short Stories <div><div>1. Anita Desai:</div><div>“Games at Twilight”</div></div> <div><div>2. Shashi Deshpande:</div><div>“The Beloved Charioteer”</div></div> <div><div>3. Saadat Hasan Manto:</div><div>“The Dog of Tithwal”</div></div> <div><div>4. Nadine Gordimer</div><div>“Once upon a Time”</div></div>			

Unit 3: Grammar 1. Parts of Speech: Noun, Pronouns, Adjective, Verbs, Adverb, Conjunction, Interjection, Preposition
Unit 4: Grammar 1. Tenses and Usage
References: 1. F.T. Wood. <i>A Remedial English Grammar for Foreign Students</i> , Macmillan. 2. Raymond Murphy. <i>English Grammar in Use</i> , OUP. 3. H. E. Bates <i>The Modern Short Story: A Critical Survey</i> 4. Valerie Shaw <i>The Short Story: A Critical Introduction</i>

FORMATIVE ASSESSMENT EVALUATION PROCESS

	Marks distribution
Written test (2 X 10)	20
Class assignments / Case study / Mini project (2 X 10)	20
Book review / Essay / Seminar (1 X 10)	10
Quiz / Group discussion / Debate (2 X 10)	20
Attendance	05
Total	75

SEMESTER - I**Hindi****हिंदी भाषा का व्यावहारिक व्याकरण – 1**

Course Code	25HNDX01MD01OD	Course Credits	3 Credits
Max. Marks	75 (External (term-end exam)-50 (Internal -25)	Time of end term examination	3 Hours
Note: Examiner will set nine questions in total. Answer to question no. 1 shall be compulsory comprising questions from all four units and remaining eight questions shall be set by taking two questions from each unit. The students have to attempt five questions in total, first being compulsory and selecting one from each unit.			
Course Objectives: 1. हिंदी का व्यावहारिक ज्ञान कराना। 2. रचना एवं प्रयोग में होने वाली अशुद्धियों से अवगत कराना। 3. विद्यार्थियों की प्रतियोगी परीक्षाओं में सहायता करना।			
Course Outcomes: 1. हिंदी के व्यावहारिक ज्ञान की समझ विकसित होगी। 2. भाषायी दक्षता का विकास।			
Unit – I			
भाषा की परिभाषा और विशेषताएँ व्याकरण की परिभाषा, महत्व, भाषा और व्याकरण का अंतः संबंध हिंदी की ध्वनियों का वर्गीकरण (स्वर, व्यंजन और मात्राएँ) शब्द की परिभाषा और उसके भेद (रचना एवं स्रोत के आधार पर) शब्द-निर्माण (उपसर्ग, प्रत्यय, संधि और समास) शब्दगत अशुद्धियाँ			
Unit-II			
शब्द की परिभाषा और उसके भेद (रचना एवं स्रोत के आधार पर) शब्द-निर्माण (उपसर्ग, प्रत्यय, संधि और समास) शब्दगत अशुद्धियाँ			

Unit-III
<p>शब्द और पद में अंतर</p> <p>विकारी शब्दों की रूप-रचना (संज्ञा, सर्वनाम, विशेषण, क्रिया)</p> <p>अविकारी शब्द (अव्यय)</p>
Unit-IV
<p>वाक्य की परिभाषा और उसके अंग</p> <p>वाक्य के भेद (रचना एवं अर्थ के आधार पर)</p> <p>वाक्य संरचना (पदक्रम, अन्विति और विराम चिह्न)</p> <p>वाक्यगत अशुद्धियाँ</p>
<p>Suggested Readings:</p> <ol style="list-style-type: none"> 1. हिंदी भाषा का इतिहास – धीरेन्द्र वर्मा 2. हिंदी भाषा का उद्गम और विकास – उदयनारायण तिवारी 3. हिंदी व्याकरण – पं. कामताप्रसाद गुरु 4. मानक हिंदी व्याकरण – डॉ. नरेश मिश्र 5. हिंदी भाषा : संरचना के विविध आयाम – रवीन्द्रनाथ श्रीवास्तव

SEMESTER - I

संस्कृत

Name of Program	Not to be filled	Program Code	Not to be filled
Name of the Course	Indian Aesthetics भारतीय सौन्दर्य शास्त्र	Course Code	25SKTX01MD01OD
Hours per Week	3	Credits	3
Maximum Marks	75		

Note : Formative Assessment Model

	Marks distribution
Written test (2 X 10)	20
Class assignments / Case study / Mini project (2 X 10)	20
Book review / Essay / Seminar (1 X 10)	10
Quiz / Group discussion / Debate (2 X 10)	20
Attendance	05
Total	75

Course Learning Outcomes (CLO):

CLO 1: The students will be able to know the term Aesthetic and its synonyms.

CLO 2: The students will be able to know the various components of Aesthetic.

CLO 3: The students will be able to know the process of Aesthetic experience.

CLO 4: The students will be able to know the main Aesthetic elements of Literature & Arts.

CLO 5: The students will be able to know the contributors of Aesthetic theories.

Unit 1: Aesthetics (Saundaryasastra), its nature and components

Beauty (Saundarya): its definition, nature, importance and components: vāya, rūpa, vacana, hāva, Discussion of synonyms of the term Beauty (Saundarya): ramamyata, lavanya, caruta, kanti, madhurata, manoharita, sushma, abhiramta.

Unit 2: The process of Aesthetic experience (Rasa)

Constituents of rasa: Bhava (human feelings and emotions) Vibhava (causes or determinants), Anubhava (voluntary gestures), Sattvika bhava (Involuntary gestures), Vyabhicari bhava (transitory states) and Sthayibhava (basic mental states), Sahrdaya/Samajika (Connoisseur/Sepectator), Anukarya, Anukarta, Sadharanikarana (Generalization), four mental stages of rasa realization: Vikasa

(cheerfulness), Vistara (exaltation), Ksobha (agitation), Viksepa (perturbation).

Unit 3: Aesthetic elements (saundarya – tattva)

- Art as the mode of expression of Saundarya – Architecture, Sculpture and Painting and Music.
- Main aesthetic elements of literary arts (Poetry and Drama) : Alankara, riti, Dhvani, Vakrokti & Auchitya.

Unit 4: Prominent thinkers of Indian Aesthetics.

Bharata, Bhamaha, Vamana, Anandavardhana, Rajsekhar, Abhinavagupta, Mammata, Vishvanatha, Rupagoswami and Panditraja Jagannatha.

References:

1. Singh, Satyavrata, Sahityadarpana of Vishvanatha, Chaukhamba Vidyabhavan, Varanasi, 1957.
2. Kane P.V., History of Sanskrit Poetics pp.352-391, Motilal Banarasidas Publishers Private Limited, Delhi, 2002.
3. Pandey, Dr. Kantichandra: Comparative Aesthetics, Vol.1 Chowkhamba Sanskrit series office Varanasi, 1972.
4. चतुर्वेदी बृजमोहन, भारतीय सौन्दर्य दर्शन, मध्यप्रदेश हिन्दी ग्रन्थ अकादमी।
5. पाण्डेय कान्तिचन्द्र, स्वतन्त्र कलाशास्त्र, चौखम्बा प्रकाशन।

SEMESTER - I**Mathematics**

Formative Assessment Model	Marks distribution
Written test (2 X 10)	20
Class assignments / Case study / Mini project (2 X 10)	20
Book review / Essay / Seminar (1 X 10)	10
Quiz / Group discussion / Debate (2 X 10)	20
Attendance	05
Total	75

Name of Program	B.A. / B.Sc.	Program Code	Not be filled
Name of the Course	Introductory Mathematics	Course Code	25MATX01MD01OD
Hours per Week	03	Credits	03
Maximum Marks	75	Time of Examinations	03 Hours
Course Learning Outcomes (CLO):			Mapped PLOs
CLO 1: Apply methods to compute H.C.F. (Highest Common Factor) and L.C.M. (Least Common Multiple) of given numbers.			PLO1, PLO2
CLO 2: Calculate square roots, cube roots, and apply operations involving surds and indices.			PLO1, PLO2
CLO 3: Solve problems related to Profit, Loss and ages.			PLO1, PLO2, PLO6
CLO 4: Solve problems on speed, time, and distance, including those related to trains.			PLO1, PLO2, PLO6
CLO 5: Understand and solve calendar based and clock related problems.			PLO1, PLO2, PLO6
Section - I			
Numbers, H.C.F. and L.C.M. of Numbers, Decimal and Fractions, Simplification, Square roots and cube roots, Surds and indices.			
Section - II			
Problems on numbers, Average, Percentage, Profit and Loss, Ratio and proportion.			
Section - III			
Problem on ages, Partnership, Time and work, Time and distance.			

Section - IV

Problems on trains, Mixure problem, Problems based on Calendar and clock.

References:

1. Aggarwal, R.S., Quantitative aptitude for Competitive exams, S. Chand Co. Pvt. Ltd., New Delhi, Eighth edition, 2017.
2. Guha, A., Quantitative aptitude for Competitive exams, McCraw Hill

SEMESTER - I

History

Name of the Program	Under Graduate Single Major Programme	Program Code	USHIS4
Name of the Course	Man in Stone Age	Course Code	25HISX01MD01OD
Hours per week	3	Course Credits	3
Formative Assessment			Marks
Written test (2 X 10)			20
Class assignments / Case study / Mini project (2 X 10)			20
Book review / Essay / Seminar (1 X 10)			10
Quiz / Group discussion / Debate (2 X 10)			20
Attendance			05
Max. Marks			75
Course Learning Outcomes (CLO) : 1. Students will be able to know various aspects of man evolution. 2. Students will be able to know General background of World Prehistory. 3. Students will be able to get basic knowledge of climatic changes during the time period. 4. Students will be able to effectively understand the beginning of food production.			
Unit - I			
Introduction to History: 1. Definition, Concept and Periodization. 2. Pre-History 3. Proto-History 4. History 5.			
Unit – II			
Palaeolithic Age 1. Definition 2. Climatic Changes 3. Human Evolution 4. Development of Palaeolithic Tools and Techniques			

Unit – III
Mesolithic Age : <ol style="list-style-type: none"> 1. Definition 2. Climatic Changes 3. Development of Tools and Techniques. 4. Towards beginning of Food Production and Settled Life
Unit – IV
Neolithic Age: <ol style="list-style-type: none"> 1. Definition 2. Climatic Changes 3. Tools and Techniques 4. Beginning of Food Production and Settled Life.

References:
<ul style="list-style-type: none"> • Chazan, Michael, World Prehistory and Archaeology: Pathways Through Time, Toronto, 2015 • Dhavalikar, M. K., Prehistory of India, New Delhi, 2013 • Grahame, Clark, World Prehistory in New Perspective, Cambridge, 2019 • Jayaswal, Vidula, Palaeo-History of India, New Delhi, 1977 • Jha, D. N., Prachin Bharat ka Itihas, New Delhi, 2015 • Kumar, Rakesh, Ancient and Medieval World, New Delhi, 2018 • Paddayya, K and B. Basak, Prehistoric Research in the Indian Subcontinent. New Delhi 2017 • Pandey, J. N., Puratattva Vimarsh, Allahabad, 2021 • Sankalia, H. D., Prehistory and Proto-history of Indian and Pakistan, Pune, 1974 • Sankalia, H. D., Stone Age Tools: their Techniques, Name and Probable Function, Pune, 1964 • Settari, S. and Ravi kori Settari, Prehistory Archaeology of South Asia, New Delhi, 2002 • Thakran, R. C., Bhartiya Upmahadvip ki Sanskritiyan, New Delhi, 2015 • Verma, Radhakant, Bharatiya Pragaitihasik Sanskritiyan, Allahabad, 1977

Note: In addition, students are advised to consult the current Research Journal of History.

SEMESTER - I

Political Science

Name of Program	B.A. Multidisciplinary	Program Code	MDC-1
Name of the Course	Indian Constitution: Key Debates	Course Code	25POLX01MD01OD
Hours per Week	3	Credits	3
Formative Assessment			Marks Distribution
Written Test (2*10)			20
Class Assignments/ Mini Project (2*10)			20
Book Review/ Essay/ Seminar (1*10)			10
Quiz/Group Discussion/ Debate(2*10)			20
Attendance			05
Total			75
Course Learning Outcomes (CLO) are:			
CLO 1: To make students familiar about the fundamental concepts related to the Indian constitution.			
CLO 2: To create understanding about values and provisions behind the formation of India constitution i.e. UCC, federalism and amendments process etc.			
CLO 3: To develop an understanding about the democratic values behind the Indian constitution, provisions related to emergency or laws related to the security and order of India.			
Unit 1:			
Citizenship, Uniform Civil Code			
Unit 2:			
Language Question, Religious Freedom (and Minority Rights)			

Unit 3:

Asymmetrical Federalism, Constitutional Amendment

Unit 4:

Emergency Provisions and Preventive Detention Laws

References:**recommended readings**

Constituent Assembly Debates (Proceedings), Volumes I- XII, available at <http://164.100.47.194/LoksabhaHindi/cadebatefiles/cadebates.html>

1. Citizenship

Primary Text: Part II, The Constitution of India

Constituent Assembly Debates (Proceedings), On Citizenship, 10 August 1949 to 12 August 1949, Vol. IX, pp. 343-349, 353-357, 398-401 (Lok Sabha Secretariat, New Delhi, 4th edition, 2003). URL: <http://loksabha.nic.in/writereaddata/cadebatefiles/vol9.html>

Valerian Rodrigues, 2008, Citizenship and the Indian Constitution, in Rajiv Bhargava (ed), Politics and Ethics of Indian Constitution, Oxford University Press

Anupama Roy, 2016, We the People: Citizenship in the Indian Constitution, in Citizenship in India (Oxford India Short Introductions), Oxford University Press.

Anupama Roy, 2019, The Citizenship (Amendment) Bill, 2016 and the Aporia of Citizenship, Economic and Political Weekly, Vol. 54, Issue No. 49.

2. Religious Freedom (and Minority Rights)

Primary Text: Art 25- 30, The Constitution of India

Constituent Assembly Debates (Proceedings), On Religious Conversion, 1st May 1947, Vol III (<http://164.100.47.194/loksabha/writereaddata/cadebatefiles/C01051947.html>) and 6th December 1948, Vol. VII (<http://164.100.47.194/Loksabha/Debates/cadebatefiles/C06121948.html>)

Rajeev Bhargava, 2002, India's Secular Constitution, in Zoya Hasan et al, India's Living Constitution, Permanent Black. 226

Gurpreet Mahajan, 2008, Religion and the Indian Constitution: Questions of Separation and Equality, in Rajiv Bhargava (ed), Politics and Ethics of Indian Constitution, Oxford University Press

Shibani Kinkar Chaube, 2000, End of the Indian Problem II- Minority Rights, in Constituent

Assembly of India: Springboard of Revolution, Manohar

3. Uniform Civil Code

Constituent Assembly Debates (Proceedings), On UCC, 23rd November 1948, Vol. VII URL: <http://164.100.47.194/loksabha/writereaddata/cadebatefiles/C23111948.html>

Peter Ronald deSouza, 2015, Politics of the Uniform Civil Code, Economic and Political Weekly, Vol. 50, Issue No. 48,

Nivedita Menon, 2014, A Uniform Civil Code in India: The State of the Debate in 2014. Feminist Studies 40(2), 480-486. doi:10.1353/fem.2014.0025.

4. Asymmetrical Federalism

Primary Texts: Article 370- 371 (J), Part XXI, The Constitution of India,

Primary Texts: Fifth Schedule and Sixth Schedule, Part XXII,

Constitution of India Constituent Assembly Debates (Proceedings), On Special Status to Jammu and Kashmir, 17th October 1949, Vol. X. URL: <http://164.100.47.194/loksabha/writereaddata/cadebatefiles/C17101949.html>

Arun Thiruvengadam, 2018, Federalism and Local Government (pp. 71-92), The Constitution of India, a Contextual Analysis, Hart Publishing

Rekha Saxena, 2021, Constitutional Asymmetry in Indian Federalism, Economic and Political Weekly, Vol. 56, Issue No. 34.

M.P. Singh, 2016, The Federal Scheme, in Sujit Choudhry et al, The Oxford Handbook of the Indian Constitution, New Delhi: Oxford University Press.

Ashwani Kumar, 2019, The Constitutional Legitimacy of Abrogating Article 370, Economic and Political Weekly, Vol. 54, Issue No. 38

5. Emergency Provisions and Preventive Detention Laws

Primary Text: Articles 352, 353, 356, 358, 359, Part XVIII, The Constitution of India
Constituent Assembly Debates (Proceedings) on Draft Article 15-A, Personal Liberty and Procedure Established by Law (Article 22), September 15 and 16, 1949, Volume IX (<http://164.100.47.194/loksabha/writereaddata/cadebatefiles/vol9.html>)

Venkat Iyer, 2000, Emergency Law in India: the Background and the Development of the Law, in States of Emergency, the Indian Experience, Butterworths.

S.P. Mukherjee, 1990, Preventive Detention (Parliamentary Debates, 13 February, 1951), in Eminent Parliamentarians Monograph Series, Lok Sabha Secretariat, pp. 61- 81 (https://eparlib.nic.in/bitstream/123456789/58670/1/Eminent_Parliamentarians_Series_Syam_a_Prasad_Mookerjee.pdf)

Granville Austin, 1966, Fundamental Rights II, Social Reform and State Security versus 'Due Process' (pp. 128- 142), in Indian Constitution, Cornerstone of a Nation, OUP.

Granville Austin, 1999, Democracy Rescued or Constitution Subverted: Emergency and 42nd Amendment, in Working a Democratic Constitution, OUP 227

Arvind Narrain, 2022, Roots of the Emergency: Preventive Detention, in India's Undeclared Emergency, Context, Westland Publications.

6. Constitutional Amendment

Primary Text: Art 368, Part XX, The Constitution of India. Constituent Assembly Debates (Proceedings), Excerpts on Amendment Procedure in B R Ambedkar's Final Speech on 25th November 1949 URL:

<http://164.100.47.194/loksabha/writereaddata/cadebatefiles/C25111949.html>

D D Basu, 2011, Procedure for Amendment, in Introduction to the Constitution of India (20thed.). Lexis Nexis, India.

Arun Thiruvengadam, 2018, Constitutional Change, in The Constitution of India, a Contextual Analysis, Hart Publishing

Pratap Bhanu Mehta, 2002, The Inner Conflict of Constitutionalism: Judicial Review and the 'Basic Structure', in Zoya Hasan et al, India's Living Constitution, Permanent Black.

Sudhir Krishnaswamy, 2009, Amending Power: The Constitutional Basis for Basic Structure Review, in Democracy and Constitutionalism in India, A Study of the Basic Structure Doctrine, Oxford University Press.

7. Language Question

Primary Text: Art 343- 351, Part XVII, The Constitution of India.

Granville Austin, 1966, Language and the Constitution- The Half-Hearted Compromise, in Indian Constitution, Cornerstone of a Nation, OUP.

Paramjit S Judge, 2021, Fifteen Years that Never Ended: The Language Debate in Making of Modern India, Rawat

Paramjit S Judge, 2021, Language Issue in Constituent Assembly Debates, Economic and Political Weekly, Vol. 56, Issue No. 14

(On Assembly Debates) Indian Express, 24 Sep 2019,
<https://indianexpress.com/article/explained/amit-shah-on-hindi-language-status-constituentassembly-national-language-6022271/>

SEMESTER - I
Public Administration

Name of the Program		Program Code	Multi-Disciplinary (MDC-1)
Name of the Course	Fundamentals of Public Administration	Course Code	25PUBX01MD01OD
Hours/Week	03	Credits	3
Maximum Marks			75
Formative Assessment			Marks Distribution
Written Test (2*10)			20
Class Assignments/ Case Study/ Mini Project (2*10)			20
Book Review/ Essay/ Poster Presentation (1*10)			10
Quiz/ Seminar/Group Discussion/ Debate(2*10)			20
Attendance			05
Total			75
<p>Course Learning Outcomes</p> <p>CLO-1. Increases understanding about the Importance and Evolution of Public Administration as a discipline and as a n activity.</p> <p>CLO-2. Generate the awareness about Organization & its various Principles.</p> <p>CLO-3. To apprise the students about the System of Administrative Accountability & Various Types of Control Mechanisms.</p> <p>CLO-4 To introduce the students with the Emerging Concepts of Public Administration.</p>			
Unit – I			
Public Administration: Meaning, Nature, Scope and its Importance; Evolution of Public Administration, Public Administration Vs Private Administration, New Public Administration.			

Unit – II
<p>Organization: Meaning and Bases; Formal & Informal organization</p> <p>Principles of Organization: Hierarchy, Span of Control, Unity of Command, Coordination & Supervision</p>
Unit – III
<p>Concept of Accountability and Control over Administration: Legislative Control, Executive Control, judicial Administration, Citizen and Administration.</p>
Unit – IV
<p>Emerging Concepts in Public Administration: New Public Management, Ethics in Administration, Public Private Partnership (PPP), Corporate Social Responsibility (CSR), Transparency and Responsiveness in Administration.</p>
<p>Suggested Readings:</p> <ul style="list-style-type: none"> Public Administration Concept and Theory, Rumki Basu Publisher: Sterling, 2019 <u>Bhattacharya</u>, M. (2018). New Horizons of Public Administration. Jawahar Publishers & Distributors. Gurugram, Haryana. B.L. Fadia & K. Fadia, Public Administration (Administrative Theories), Sahitya Bhawan Publication, Agra, 2015. Chahar, S.S., Lok Prashasan ka Sidhant, Haryana Sahitya Publication, 2013. Bidyut Chakrabarty and Prakash Chand, Public Administration in a Globalizing World: Theories and Practices, Sage, New Delhi, 2012. Theory of Public Administration, R P Gajanan, Anoop Sharma, Crescent Publishing House, 2011 Smita Srivastava, Theory and Practice of Public Administration, Pearson, Noida (U.P), 2011. D.Ravindra Prasad and Y. Pardhasaradhi (eds.), Public Administration: Concepts, Theories and Principles (Eng), Telugu Akademi, Hyd, 2011. Hoshier Singh and Pradeep Sachdeva, Public Administration Theory & Practice, Pearson Education India, 2010. Dubey, R.K., Aadhunik Lok Prashasan: Modern Public Administration, Laxmi Narayan Agarwal Publishers, Agra, 2007 Theory and Practice of Public Administration. S. N. Mishra, Sweta Mishra, Jnanada Prakashan, 2007 Sharma M.P. & Sadana B.L., Public Administration in Theory and Practice, Allahabad: Kitab Mehal, 2003. Avasthi, A. & Maheshwari, S.R., Public Administration, Agra: Laxmi Narain Aggarwal, 2001. K.K. Puri and G.S. Brara, Public Administration: Theory and Practice, Bharat Prakashan, Jalandhar, 2000.

SEMESTER - I

Economics

Name of Program		Program Code	UMBA4
Name of the Course	Fundamentals of Economics	Course Code	25ECOX01MD01OD
Hours per Week	3	Credits	3
Maximum Marks	75 (Formative Assessment only)		
Note: There will be no external examination. Assessment will be made on the basis of formative assessment			
Formative Assessment Criteria for Three Credit Theory Course			
Distribution		Credit =3	
Written Test (2×10)		20	
Class Assignments/Case Study/Mini Project (2×10)		20	
Book Review/Essay/Seminar (1×10)		10	
Quiz/Group Discussion/Debate (2×10)		20	
Attendance		5	
Total		75	
Course Learning Outcomes (CLO):			
CLO 1: Knowledge <i>about the working of the economy is enhanced.</i>			
CLO 2: Improved understanding to make predictions about changes in prices and quantities			
CLO 3: Students are able to know-how of skills and abilities of individual students are enhanced			
CLO 4: Students are Familiarized with some basic concepts			
Unit 1:			
Meaning of Economics, Nature and scope of Economics, Central problems of an Economy: What, how and for whom to produce, concept of production possibility curve and opportunity cost.			
Unit 2:			
Utility analysis – meaning of utility, marginal utility, concept of consumer’s equilibrium, Demand, market demand, determinants of demand, demand schedule, price elasticity of demand, factors determining price elasticity of demand.			
Unit 3:			
Production Function: Types of production function, Concepts of production: total production, marginal production, average Production, Changes in production: returns to a factor, returns to a scale.			
Unit 4:			
Cost and Revenue: Total cost, Total fixed cost, Total variable cost, Average cost: Average fixed cost, Average variable cost, Revenue: Total revenue and Marginal Revenue- meaning and their relationship.			
Inflation: Types, causes, effects and measures to control inflation,			
References:			
➤ D.N. Divedi: Principles of Economics, 2nd Edition, Vikas Publication House.			
➤ R Dutta and K P M Sundaram: Indian Economy, S Chand A.N.Agarwal: Indian Economy, Problems of Development and Planning, New Age.			
➤ Mishra and Puri: Indian Economy, Himalaya.			

E) VALUE ADDED COURSE (VAC)

SEMESTER - I

Name of the Program		Program Code	
Name of the Course	Digital and Technological Solutions	Course Code	25CSAX01VA01OD
Hours/Week	2 Hrs.	Credits	02(L:2)
Max. Marks.	50	Time of end term examination	--
<p>Examiner will be required to set NINE questions in all. Question No. 1 will be compulsory which consists of 12 short-answer type questions each of 2 marks covering the entire syllabus out of which candidate will be required to attempt eight questions. In addition to Q.No.1, candidate will be required to attempt four more questions from the remaining eight questions each carrying 16 marks.</p>			
<p>Course Objectives:</p> <ol style="list-style-type: none"> 1. To gain familiarity with digital paradigms 2. To sensitize about role & significance of digital technology 3. To provide know how of communications & networks 4. To bring awareness about the e-governance and Digital India initiatives 5. To provide a flavour of emerging technologies - Cloud, Big Data, AI, ML, Blockchain, Robotics, 3D printing. 			
<p>Course Outcomes: On successful completion of this course, the student will be able to have a knowledge regarding</p> <ol style="list-style-type: none"> 1. Knowledge about digital paradigm. 2. Realization of importance of digital technology, digital financial tools, e-commerce. 3. Know-how of communication and networks. 4. Familiarity with the e-governance and Digital India initiatives 5. An understanding of use & applications of digital technology. 6. Basic knowledge of all machine learning and big data 			
Unit – I			
<p><i>Introduction & Evolution of Digital Systems:</i> Role & Significance of Digital Technology; Information and Communication Technology (ICT) & Tools; Computer System & its working, Software and its types. <i>Operating Systems:</i> Types and Functions. <u>Problem Solving:</u> Algorithms and Flowcharts</p>			
Unit – II			
<p><i>Communication Systems:</i> Principles, Model & Transmission Media.</p> <p><i>Computer Networks & Internet:</i> Concepts & Applications, WWW, Web Browsers, Search Engines, Messaging, Email, Social Networking. <i>Computer Based Information System:</i> Significance & Types.</p> <p><i>E-commerce & Digital Marketing:</i> Basic Concepts, Benefits & Challenges</p>			

Unit – III
<i>Emerging Technologies and their applications:</i> Overview of Artificial Intelligence, Machine Learning, Deep Learning; Big Data, Data Science and Big Data Analytics; Internet of Things (IoT) and Industrial Internet of Things (IIoT), Robotics and 3D Printing; Blockchain Technology; Quantum Computing; Cloud computing and its service models.
Unit – IV
<i>Digital India & e-Governance:</i> Initiatives, Infrastructure, Services and Empowerment.
<i>Digital Financial Tools:</i> Unified Payment Interface, Aadhar Enabled Payment System, USSD, Credit / Debit Cards, e-Wallets, Internet Banking, NEFT/RTGS and IMPS, Online Bill Payment and POS.
<i>Cyber Security:</i> Threats, Significance, Challenges, Precautions, Safety Measures and Tools.
Suggested Readings: <ol style="list-style-type: none"> 1. P. Kumar, A. Tomar, R. Sharmila: Emerging Technologies in Computing: Theory, Practice, and Advances, CRC/Chapman & Hall, eBook. 2. Nasib Singh Gill: Handbook of Computer Fundamentals, Khanna Book Publishing Company(P) Limited, New Delhi. 3. Behrouz A. Forouzan: Data Communications and Networking, McGraw Hill. 4. E Balagurusamy: Fundamentals of Computers, Tata McGraw Hill. 5. Buyya, Broberg, and Goscinski: Cloud Computing- Principals and Paradigms, Wiley. 6. Nasib Singh Gill: Computing Fundamentals and Programming in C, Khanna Book Publishing Company(P) Limited, New Delhi. 7. Laudon Kenneth C. Carol Guercio Traver: E-commerce (Business, Technology, Society), Pearson. 8. Russel and Norving: Artificial Intelligence- A Modern Approach, Pearson Education. 9. Samuel Greengard: Internet of Things, MIT press. 10. Peter Norton: Introduction to Computers, Tata McGraw Hill. 11. C.S.V. Murthy: E-Commerce Concepts, Models, Strategies. 12. Dheeraj Mehrotra: Basics of Artificial Intelligence and Machine Learning, Notion press. 13. Hurwith, Nugent, Halper, Kaufman: Big Data for dummies, Wiley & Sons - Wiley. 14. David Dietrich, Barry Heller, Beibei Yang: Data Science and Big Data Analytics, EMC.

SEMESTER - II

A) DISCIPLINE SPECIFIC COURSES (DSC)

SEMESTER – II

English

Name of Program		Program Code	
Name of the Course	Introduction to British Prose (Bacon to Lamb)	Course Code	25ENGM402DS01OD
Hours per Week	04	Credits	04 (L-3 - T-1 - P-0)
Maximum Marks	70+30=100	Time of Examination	3 Hours

Note:

Question No 1 Students shall be required to attempt any four Short notes (100-150) words each out of the **given six** selecting at least one from each unit.

Questions 2, 3, 4 and 5 shall be essay type questions with internal choice.

All questions carry equal marks.

Course Learning Outcomes (CLO):

- CLO 1. Developing an understanding of various stages, trends, types of narratives as illustrated in essays
- CLO 2. Enable to appreciate different styles of writing that evolved through the archaic English of Anglo-Saxon age, to the early Elizabethan, Jacobean and Caroline times with reference to macro cultural and intellectual developments
- CLO 3. Ability to situate literary texts within the changing historical, political, and cultural contexts of the British Literature

Unit 1:

Francis Bacon : “ Of Studies” “ Of Travel”

Unit 2:

Joseph Addison : “ Female Orators” “ The Aim of the Spectator”

Unit 3:

Richard Steele : “ The Coverley Household”, “ Of the Club”

Unit 4:

Charles Lamb : “ Dream Children: A Reverie”, “ The Praise of Chimney Sweepers”

References:

- *The Essays of Francis Bacon* by Augusta Mary Scott.
- *Francis Bacon* by Quinton, Anthony.
- *Eighteenth Century Collections* by Ann, Arbor.
- *Selected Essays from The Spectator* by Addison, Joseph
- *English Social and Cultural History: An Introductory Guide and Glossary* by Choudhury, Bibhash.
- *Joseph Addison Tercentenary Essays* by Davis, Paul.
- *Romanticism: A Literary and Cultural History* by Casaliggi, Carmen.
- *The Age of Revolutions: 1789-1848* by Hobsbawm, Eric.
- *Romanticism: An Oxford Guide* by Roe, Nicholas.

SEMESTER - II**HINDI**

Name of Program		Program Code	
Name of the Course	राजभाषा और राष्ट्रभाषा के रूप में हिंदी	Course Code	25HNDM402DS01OD
Hours per Week	4	Credits	4
Maximum Marks	100	Time of Examinations	3 Hours

Note:

Examiner will set nine questions and the candidates will be required to attempt five questions in all. Question number one will be compulsory containing short answer type questions from all units. Further, examiner will set two questions from each unit and the candidates will be required to attempt one question from each Unit. All questions will carry equal marks.

Course Learning Outcomes (CLO):

- विद्यार्थी राजभाषा की अवधारणा से परिचित होंगे।
- राष्ट्रभाषा की अवधारणा से परिचित होंगे।
- हिंदी भाषा की संवैधानिक स्थिति से अवगत हो सकेंगे।

Unit 1:**हिंदी : संकल्पना और अनुप्रयोग**

हिंदी भाषा के विविध रूप राजभाषा, राष्ट्रभाषा, संपर्क भाषा, मानक भाषा, साहित्यिक भाषा, संचार की भाषा

Unit 2:**राजभाषा हिंदी**

राजभाषा : तात्पर्य और स्वरूप

राजभाषा हिंदी संबंधी संवैधानिक प्रावधान

राजभाषा आयोग तथा संसदीय समिति

Unit 3:**राष्ट्रभाषा के रूप में हिंदी**

स्वाधीनता आंदोलन और राष्ट्रभाषा हिंदी की संकल्पना

संविधान की आठवीं अनुसूची और हिंदी

राजभाषा और राष्ट्रभाषा में अंतर

Unit 4:**हिंदी का अनुप्रयोग**

राजभाषा संबंधी विशिष्ट शब्दावली (सूची विभाग द्वारा दी जाएगी)

राजभाषा की कार्यालयी अभिव्यक्तियाँ (सूची विभाग द्वारा दी जाएगी)

References:

1. तिवारी, डॉ. भोलानाथ, राजभाषा हिंदी, प्रभात प्रकाशन, दिल्ली।
2. शर्मा, डॉ. देवेंद्रनाथ, राष्ट्रभाषा हिंदी समस्याएँ एवं समाधान, लोकभारती प्रकाशन, प्रयागराज
3. सिंह, शंकर दयाल, हिंदी: राजभाषा, राष्ट्रभाषा, जनभाषा, किताबघर प्रकाशन, दिल्ली।
4. सिंह, डॉ. राजवीर, राजभाषा हिंदी: विविध आयाम, हिंदी बुक सेंटर, दिल्ली।
5. गिरि, डॉ. राजीव रंजन, परस्पर भाषा-साहित्य-आंदोलन, राजकमल प्रकाशन, दिल्ली।

SEMESTER - II

Sanskrit

Name of Program	UG MULIDISCIPLINARY	Program Code	
Name of the Course	संस्कृत II	Course Code	25SKTM402DS01OD
Hours per Week	4	Credits	4
Maximum Marks	100	Time of Examinations	3 HOURS

Course Learning Outcomes (CLO):

CLO 1: Students will be able to conduct simple conversations in Sanskrit.

CLO 2: Students will gain the ability to read and understand 'Dootvakyam' and will be able to discuss the themes, characterisation, cultural and literary significance of this text.

CLO 3: Students will gain the ability to read and understand 'Shuknasopadesha' and will be able to discuss the themes, characterisation, cultural and literary significance of this text.

CLO 4: Students will achieve a thorough understanding of Sanskrit grammar including noun, pronoun and verb forms. They will be able to apply these rules in constructing sentences.

CLO 5: Students will be able to know the formation of the different types of Sanskrit meters and their examples.

Unit 1:

संस्कृतवाग्व्यवहारः –

संस्कृतव्यवहारसाहस्री (9 से 16 पाठ पर्यन्त)

Unit 2:

संस्कृतग्रन्थानुशीलनम् –

(क) दूतवाक्यम् (भासविरचितम्)

(ख) शुकनासोपदेशः (कादम्बरीतः)

Unit 3:

पदरूपाणि –

(क) शब्दरूपाणि – आत्मन्, दण्डिन्, वाच्, सरित्, सर्व, तद्, एतद्, यद्, किम्, इदम् (तीनों लिङ्गों में) अस्मद्, युष्मद्, एक, द्वि, त्रि, चतुर, पञ्चन्।

(ख) धातुरूपाणि – आत्मनेपदे – सेव्, लभ्, रुच्, मुद्, याच्, उभयपदे – कृ, नी, ह, भज्, पच्।

Unit 4:

छन्दांसि – स्रग्धरा, वंशस्थ, शिखरिणी, मन्दाक्रान्ता, वसन्ततिलका, शार्दूलविक्रीडितम्।

दिशा-निर्देश –

प्रथम प्रश्न अनिवार्य है, इसमें सम्पूर्ण पाठ्यक्रम में से 7 वस्तुनिष्ठ प्रश्न पूछे जाएंगे। $7 \times 2 = 14$

शेष प्रश्नों के निर्देश अधोलिखित हैं।

यूनिट – 1 संस्कृत में पूछे गए 12 प्रश्नों में से किन्हीं 07 प्रश्नों का संस्कृत में उत्तर। $7 \times 2 = 14$

यूनिट – 2

(क) दो पद्यों में से किसी 1 की सप्रसङ्ग व्याख्या। $1 \times 4 = 04$

(ख) तीन गद्यांशों में से किन्हीं 2 का सरलार्थ। $2 \times 3 = 06$

(ग) दूतवाक्य तथा शुकनासोपदेश में वर्णित दो पात्रों में से किसी एक का चरित्र चित्रण।

$1 \times 4 = 04$

यूनिट – 3

(क) चार में से किन्हीं 2 शब्दों के सम्पूर्ण रूप। $2 \times 4 = 08$

(ख) 4 धातुओं में से किन्हीं 2 धातुओं के पूछे गए 2 लकारों में सम्पूर्ण रूप। $2 \times 3 = 06$

यूनिट – 4

(क) 4 में से किन्हीं 2 छन्दों का लक्षण और उदाहरण। $2 \times 4 = 08$

(ख) 3 में किन्हीं 2 श्लोकों में गणप्रदर्शन सहित छन्द की पहचान। $2 \times 3 = 06$

References:

1. संस्कृत व्यवहारसाहस्री – संस्कृतभारती प्रकाशन, दिल्ली।
2. दूतवाक्यम्, डॉ. गङ्गासागर राय, चौखम्बा संस्कृत संस्थान, वाराणसी।
3. कादम्बरी-शुकनासोपदेशः, डॉ. रमाकान्त झा एवं पं. हरिहर झा, चौखम्बा विद्याभवन, वाराणसी।
4. रूपचन्द्रिका, डॉ. ब्रह्मानन्द त्रिपाठी, चौखम्बा सुरभारती प्रकाशन, वाराणसी।
5. प्रारम्भिक रचनानुवादकौमुदी, डॉ. कपिलदेव द्विवेदी, विश्वविद्यालय प्रकाशन, वाराणसी।
6. छन्दोमञ्जरी, चौखम्बा संस्कृत सीरीज, वाराणसी।
7. वृत्तरत्नाकर, केदारभट्ट, चौखम्बा सुरभारती प्रकाशन, वाराणसी।

SEMESTER - II

Economics

Name of Program		Program Code	
Name of the Course	Micro Economics II	Course Code	25ECOM402DS01OD
Hours per Week	4	Credits	L T P 3 1 0
Maximum Marks	Total Theory Internal 100 70 30	Time of Examinations	3 Hours
Note: Examiner will set nine questions and the candidates will be required to attempt five questions in all. Question number one will be compulsory containing short answer type questions from all units. Further, examiner will set two questions from each unit and the candidates will be required to attempt one question from each Unit. All questions will carry equal marks.			
Course Learning Outcomes (CLO): CLO 1: students will be able to analyze the equilibrium of the firm and industry in perfect competition over the short and long term. CLO 2: learner will be able to Understand the emergence of oligopoly and the models used to analyze oligopolistic behavior, such as Cournot's and Bertrand's models. CLO 3: Students will be able to Explain the concepts of public goods and externalities and their implications for market outcomes. CLO 4 : Students will be aware about theories of profit and interest.			
Unit 1: Market Structures, Perfect Competition: Characteristics and assumptions, Price determination under perfect competition, Equilibrium of the firm and industry in the short period and the long period. Monopoly: Characteristics, Equilibrium of the monopoly firm in short period and long period, Concept of supply-curve under monopoly, Price discrimination, Measure of monopoly power.			
Unit 2: Imperfect Market: Monopolistic competition, characteristics, short period and long period equilibrium of the firm, Group-equilibrium, selling costs, product differentiation, excess capacity. Oligopoly: Characteristics, emergence of oligopoly, cournot's model, Bertrand's model, Price rigidity, Price leadership, Collusive and non-collusive oligopoly.			

Unit 3:

Market failure: Market efficiency, Reasons for Market failure, Public goods and externalities, transaction costs, asymmetric information, public policy towards monopoly and competition.

Unit 4:

Theory of factor pricing: Marginal productivity theory of distribution, Backward bending supply curve of labour, Ricardian and modern theory of rent, quasi-rent, net and gross interest, theories of interest, net and gross profit, theories of profit.

References:

- Paul Samuelson and Nordhaus: Economics), Tata McGraw Hill Publishing Company, New Delhi. 2.
- N. Gregory Mankiw: Principles of Economics, Thomson.
- J.E. Stiglitz and G.E. Walsh: Principles of Economics, W.W. Norton & Co. N.Y.
- R.G. Lipsey, and K.A. Chrystal, Principles of Economics Oxford University Press, Oxford.
- A. Kousiomyonnis, Modern Microeconomics, Macmillan.
- राजेंद्र चौधरी (2024), इकाई आधारित अर्थशास्त्र, Intellectual Foundation (India) Rohtak

SEMESTER - II

Mathematics

Name of Program	B.A./B.Sc.	Program Code	UMPS4
Name of the Course	Calculus	Course Code	25MATM402DS01OD
Hours per Week	5	Credits	4
Maximum Marks	100 (75 Theory(50 External + 25 Internal) + 25 Practical)	Time of Examinations	3 Hours
Course Learning Outcomes (CLO)			Mapped PLOs
CLO1: Analyze and classify discontinuities and assess the differentiability of functions at given points.			PLO1
CLO2: Understand the method of successive differentiation and Taylor series expansions.			PLO1
CLO3: Apply concepts of curvature, radius of curvature and rectification.			PLO3
CLO4: Trace curves in Cartesian, polar and parametric forms.			PLO3, PLO4
CLO5: Understand the concepts of multivariable functions and their continuity and differentiability.			PLO1
Note: Examiner will set nine questions and the candidates will be required to attempt five questions in all. Question number one will be compulsory containing four short answer type questions from all sections. Further, examiner will set two questions from each section and the candidates will be required to attempt one question from each Section. All questions will carry equal marks.			
Section – I			
Limit and Continuity ($\epsilon - \delta$ definition), Discontinuity & its types, Differentiability of the functions, Successive differentiation, Leibnitz rule and its applications, L' Hospital's rule: Indeterminate forms. Taylor's theorem with Lagrange's and Cauchy's forms of remainders, Maclaurin's and Taylor's series expansions.			
Section – II			
Tangent and Normal, Asymptotes of Curves in Cartesian and polar co-ordinates, Curvature, Radius of Curvature for Cartesian curves, parametric, polar and pedal form of curves, Circle of Curvature, Chord of Curvature. Concavity, Convexity and Inflection points.			
Section – III			
Tracing of curves in Cartesian, parametric and polar co-ordinates of Standard curves (Cubic curves, Semicubical Parabola, Folium of Descartes, Cardioid, Lemniscate of Bernoulli, Astroid, Rose curve, Logarithmic Spiral, Epispiral, Cycloid, Catenary).			

Section – IV

Functions of Several Variables, Limits and Continuity, Partial Differentiation and Euler's theorem on homogenous functions, Chain rule, Directional derivatives, Gradient vector and Tangent Plane.

Practical/ Computational Work

(Based on course Functions and Algebra)

Max. Marks : 25

i) Written Practical/ Lab work : 10 Marks

ii) Viva-voce and practical record: 15 Marks

Time : 3 Hours

There will be five questions in all, and the students must attempt any three questions. The question paper will set on the spot jointly by the internal and external examiners.

Distribution of Marks will be as follows:

Marks for Question Paper:	10
Marks for Practical Record Book:	05
Marks for Viva-Voce:	10
Total:	25

List of Practicals

Following is the list of programmes to be performed in the Lab using MATLAB Programming:

- Study of Concavity, Convexity and point of inflexion using graph (i) $f(x) = (x - \alpha)(x - \beta)$ (ii) $f(x) = (x - \alpha)(x - \beta)(x - \gamma)$ (iii) $f(x) = |x - \alpha|(x - \beta)$ (iv) $f(x) = \frac{x+1}{x^2+3}$.
- Plotting of graphs of the function $\sin(ax + b)$, $\cos(ax + b)$, $\sinh(ax + b)$, $\cosh(ax + b)$ for various values of a and b.
- Plotting of graphs of the function e^{ax+b} , $\log(ax + b)$, $\frac{e}{ax+b}$, e^{ax+b} for various values of a, b and c.
- Sketching parametric curves (E.g. Trochoid, Cycloid, Epicycloids, Hypocycloid).
- Determine Asymptotes in Curve using graphs (i) $y = \frac{1}{x-3}$ (ii) $y = \tan x$ (iii) $y = e^{1/x}$ (iv) $y = x + 1/x$ (v) $y = \frac{x^2+2x-1}{x}$.
- Form the table for Sine function, Cosine function for $0^\circ, 1^\circ, 2^\circ, \dots, 90^\circ$ using Maclaurin's series expansion.
- Plotting the graphs of polynomials of degree 2, 3, 4 and 5, the derivative graph, second derivative graph and comparing them.
- Trace the curves (i) $y^2(a^2 + x^2) = x^2(a^2 - x^2)$ (ii) $a^2y^2 = a^2x^4 - x^6$ (iii) $9ay^2 = (x - 2a)(x - 5a)^2$ (iv) $x^2 = (y - 1)(y - 2)(y - 3)$.
- Trace the curves (i) $x^2y^2 = x^2 + 1$ (ii) $y = \frac{x+1}{x^2}$ (iii) $x^2y^2 = a^2(y^2 - x^2)$.
- Sketching parametric curves (E.g. Trochoid, Cycloid, Epicycloids, Hypocycloid, Catenary).

11. Trace the curves (i) $y^2(a^2 + x^2) = x^2(a^2 - x^2)$ (ii) $a^2y^2 = a^2x^4 - x^6$ (iii) $9ay^2 = (x - 2a)(x - 5a)^2$ (iv) $x^2 = (y - 1)(y - 2)(y - 3)$.
12. Trace the curves (i) $x^2y^2 = x^2 + 1$ (ii) $y = \frac{x+1}{x^2}$ (iii) $x^2y^2 = a^2(y^2 - x^2)$.
13. Sketching Polar Curves (Cardioid, Astroid, Rose Curve, Logarithmic spiral).

References:

1. G.B Thomas and R.L. Finney, *Calculus*, 9th edition, Pearson Education Delhi, 2005
2. H. Anton, I. Birens and S. Davis, *Calculus*, John Wiley and Sons, Inc., 2002
3. M.J Strauss, G.L. Bradley and K.J Smith, *Calculus*, 3rd edition, Dorling Kindersley (India) P Ltd (Pearson Education), Delhi, 2007
4. R. Courant and F. John, *Introduction to Calculus and Analysis, (Volume I & II)*, Springer-Verlag, New York, Inc 1989
5. Murray R. Spiegel, *Theory and Problems of Advanced Calculus*. Schaun's Outline series. Schaum Publishing Co., New York.
6. N. Piskunov, *Differential and integral Calculus*. Peace Publishers, Moscow.

SEMESTER - II
Public Administration

Name of Program	Public Administration	Program Code	UMBA4
Name of the Course	Elements of Public Administration-II	Course Code	25PUBM402DS01OD
Hours per Week		Credits	4
Maximum Marks	100	Time of Examinations	3 Hours

Note:

Examiner will set nine questions and the candidates will be required to attempt five questions in all. Question number one will be compulsory containing short answer type questions from all units. Further, examiner will set two questions from each unit and the candidates will be required to attempt one question from each Unit. All questions will carry equal marks.

Course Learning Outcomes (CLO):

CLO 1: . To provide knowledge about the Role of Chief Executive, Role of Civil Society and peoples' participation.

CLO 2: Acquire knowledge about IRCs, Field-Headquarter Relationship, Public Corporation and Independent Regulatory Commission.

CLO 3: To provide knowledge about the Recruitment, Training and Promotion.

CLO 4: Develop knowledge about the Governance, Citizen Charter and Right to Information.

Unit 1:

Chief Executive: Meaning, Types, Functions & Qualities of Chief Executive, Head Quarter & Field Relationship , Role of Civil Society in Administration, People Participation in Administration

Unit 2:

Administrative Organizations: Line, Staff & Auxiliary Agencies, Department: Types, Features & Bases of Department, Public Corporation, Difference in between Public Corporation & Department, Independent Regulatory Commissions: Characteristics & its Functions.

Unit 3:

Recruitment: Types, Process, Method & Problems , Training: Types, Method & Significance
Promotion: Purpose, Principles and Advantages, Morale: Factors of Low Morale of Employees & How to Build up Morale

Unit 4:

Recent Trends in Administration, Good Governance, E- Governance, Citizen Charter, Right to Information, Impact of LPG on Public Administration.

References:

- B.L. Fadia & K. Fadia, Public Administration (Administrative Theories), Sahitya Bhawan Publication, Agra, 2015.
- Bidyut Chakrabarty and Prakash Chand, Public Administration in a Globalizing World: Theories and Practices, Sage, New Delhi, 2012.
- Smita Srivastava, Theory and Practice of Public Administration, Pearson, Noida (U.P), 2011.
- D.Ravindra Prasad and Y. Pardhasaradhi (eds.), Public Administration: Concepts, Theories and Principles (Eng), Telugu Akademi, Hyd, 2011.
- Hoshier Singh and Pradeep Sachdeva, Public Administration Theory & Practice, Pearson Education India, 2010.
- Siuli Sarkar, Public Administration in India, PHI, New Delhi, 2009.
- Dubey, R.K., Aadhunik Lok Prashasan: Modern Public Administration, Laxmi Narayan Agarwal Publishers, Agra, 2007.
- Shafritz Jay M. (ed.), Defining Public Administration, Jaipur; Rawat Publications, 2007.
- Sharma M.P. & Sadana B.L., Public Administration in Theory and Practice, Allahabad: Kitab Mehal, 2003.
- Avasthi, A. & Maheshwari, S.R., Public Administration, Agra: Laxmi Narain Aggarwal, 2001.
- K.K. Puri and G.S. Brara, Public Administration: Theory and Practice, Bharat Prakashan, Jalandhar, 2000.
- Sharma, P.D. & Sharma, H.C., Theory and Practices of Public Administration, New Delhi: College Book Depot, 1998.
- Bhambri, C.P., Public Administration, Delhi: Vikas Publishers, 1991.
- Bhattacharya, M. Public Administration: Structure, Process and Behaviour, Calcutta: The World Press, 1991.
- Negro, F.A. & Nigro, G.N. Modern Public Administration, New York: Harper & Row Publishers, 1980.

While, L.D., Introduction to the Study of Public Administration, New York: Maxmillan Company, 1958

SEMESTER - II
Political Science

Name of Program	UG Multidisciplinary with Hons.	Program Code	
Name of the Course	Indian Politics	Course Code	25POLM402DS01OD
Hours per Week	4	Credits	4
Maximum Marks	100 Internal : 30 External : 70	Time of Examinations	3 Hours

Note:

Examiner will set nine questions and the candidates will be required to attempt five questions in all. Question number one will be compulsory containing short answer type questions from all units. Further, examiner will set two questions from each unit and the candidates will be required to attempt one question from each Unit. All questions will carry equal marks.

Course Learning Outcomes (CLO) are to:

- CLO 1: Introduce the students to the fundamentals of constitutional democracy.
- CLO2: Deals with certain critical questions relating to the process and functions of democracy in India.
- CLO3: Policy analysis and reform also find a place in this course.
- CLO4: Update the students about recent trends and changes about Indian political system.
- CLO5: Provide a deeper understanding about the important features of the Indian politics.
- CLO6: Develop a comparative perspective on understanding state politics.

Unit 1:

Federalism and its Working with reference to Centre-State Relations, Demand for State Autonomy; Emerging Trends in Indian Federalism.

Unit 2:

Election Commission, Electoral Process, challenges and Voting Behaviour. Electoral Reforms, Problem of Defection.

Unit 3:

Party System in India: National and Regional Political Parties.

Unit 4:

Role of Caste, Religion, Language, Regionalism in India, Politics of Reservation

References:

1. D.D. Basu and B. Parekh (ed.), Crisis and Change in Contemporary India, New Delhi, Sage, 1994.
2. P. Brass, Politics of India Since Independence, Hyderabad, Orient Longman, 1990.
3. S. Kaushik (ed.), Indian Government and Politics, Delhi University, Directorate of Hindi Implementation Racy and Discontent: India's Growing Crisis of Governability, Cambridge, Cambridge University Press, 1991.
4. R. Kothari, Politics in India, New Delhi, Orient Longman, 1970.
5. R. Kothari, Party System and Election Studies, Bombay, Asia Publishing, 1967.
6. J.R. Siwach, Dynamics of Indian Government & Politics, New Delhi, Sterling Publishers, 1985.
7. R. Thakur, The Government & Politics of India, London, Macmillan, 1995.

SEMESTER - II
History

Name of the Program	Under Graduate Multidisciplinary with Hons. in One Major Discipline	Program Code	UMBA4
Name of the Course	Medieval History of India	Course Code	25HISM402DS01OD
Hours per week	5	Course Credits	4
Max. Marks	100 {External (term-end exam) – 70} (Internal – 30)	Time of Examination	3 Hours

Note: Examiner will set nine questions and the candidates will be required to attempt five questions in all. Question number one will be compulsory containing short answer type questions from all units. Further, examiner will set two questions from each unit and the candidates will be required to attempt one question from each Unit. All questions will carry equal marks.

Course Learning Outcomes (CLO):

1. Students will be able to get the basic knowledge of Delhi Sultanate.
2. Students will be able to understand the growth and decline of Delhi Sultanate.
3. Students will be able to get basic knowledge of state structure in medieval time period.
4. Students will be able to effectively understand the administration setup of medieval time.

Unit - I

1. Reconstructing Medieval India: Sources
2. Turkish Invasion and Establishment of Delhi Sultanate under Early Turks
3. Expansion of Delhi Sultanate under Khiljis and Tughlaqs; Disintegration of Delhi Sultanate

Unit – II

1. Foundation of Mughal Empire
2. Second Afghan Empire: Shershah Suri and His major achievements
3. Consolidation and Expansion of Mughal Empires: Akbar, Jahangir, Shahjahan, Aurangzeb

Unit – III

1. Administrative Institutions : Iqta, Mansab & Jagirdari
2. Land Revenue System, Zamindars and Peasants, Technological Development, Trade and Commerce
3. Socio-Religious and Cultural Developments: Bhakti and Sufi Movements, Din-e-Ilahi, Art & Architecture.

Unit – IV

Maps:

1. Extent of Sultanate under Allauddin Khalji
2. Urban Centres during Sultanate
3. Political Condition on the eve on Babar's invasion
4. India under Akbar (1605 A.D.)
5. India under Aurangzeb(1707)

References:

- Ashraf, K. M., Life and Condition of the People of Hindustan, Calcutta, 1970
- Chandra, Satish, Madhyakaleen Bharat: Rajniti, Samaj Aur Sanskriti, New Delhi, 2020
- Chandra, Satish, Medieval India, Vol.1 (also in Hindi), New Delhi, 1998
- Chattopadhyaya, B. D., Representing the Other?: Sanskrit sources and the Muslim: 8th to 14th century, Delhi, 1998
- Habib, Irfan, Madhyakaleen Bharat, Vols. 1 to 8, New Delhi, 2001
- Habib, Irfan, Medieval India: The Study of a Civilization, New Delhi, 2008
- Habib, M. and A. B. M. Habibullah, Comprehensive History of India, Delhi, 1994
- Habib, M. and A. B. M. Habibullah, The Foundation of Muslim rule in India, Allahabad, 1976
- Hermann, Kulke, The State in India (1000-1700), New Delhi, 1995
- Khanna, Meenakshi, Madhyakaleen Bharat ka Sanskritik Itihas, New Delhi, 2012
- Kumar, Sunil, The Emergence of the Delhi Sultanate: AD 1192-1286, New Delhi, 2023
- Lal, K. S., History of the Khaljis (1290-1320), New Delhi, 1980
- Majumdar, R. C., The Delhi Sultanate, Vol.6, Bombay, 1960
- Nizami, K. A., State and Culture in Medieval India, New Delhi, 1985
- Peter, Jackson, The Delhi Sultanate: A Political and Military History, Cambridge, 1999
- Richard, Eaton, The Rise of Islam and the Bengal Frontier, New Delhi, 2002
- Srivastava, Neeraj, Madhyakaleen Bharat: Prashasan, Samaj Evam Sanskriti, New Delhi, 2010
- Tripathi, R. P., Some Aspects of Muslim Administration, Allahabad, 1978
- Verma, H. C., Madhyakaleen Bharat, Vol. I, New Delhi, 1990
- Wrink, Andre, The Making of India Islamic World, Vol. I & II, New Delhi, 1999

Note: In addition, students are advised to consult the current Research Journal of History.

B) SKILL ENHANCEMENT COURSES (SEC)**SEMESTER - II****Hindi**

Name of Program		Program Code	
Name of the Course	हिंदी भाषा और विज्ञापन	Course Code	25HND402SE01OD
Hours per Week	3	Credits	3
Maximum Marks	75		
Course Learning Outcomes (CLO): 1. विज्ञापन लेखन के माध्यम से भाषा—दक्षता विकसित होगी। 2. विज्ञापन निर्माण की पूरी प्रक्रिया को समझ सकेंगे। 3. विज्ञापन बाजार में विभिन्न माध्यमों की पहुँच और प्रसार क्षमता से परिचित होंगे। 4. कॉपी लेखन के कार्य में सक्षम हो सकेंगे।			
Unit 1: विज्ञापन : अर्थ, परिभाषा और महत्त्व विज्ञापन के उद्देश्य: आर्थिक, सामाजिक, राजनीतिक विज्ञापन के प्रमुख प्रकार विज्ञापन के प्रभाव			
Unit 2: विज्ञापन माध्यम चयन के आधार प्रिंट, रेडियो और टेलीविजन के लिए विज्ञापन डिजिटल विज्ञापन तथा आउट ऑफ होम विज्ञापन – होर्डिंग, पोस्टर, बैनर, साइनबोर्ड सोशल मीडिया विज्ञापन – फेसबुक, ट्विटर, यूट्यूब, सोशल नेटवर्किंग साइट्स			

Unit 3: विज्ञापन की भाषा का स्वरूप एवं विशेषताएँ

विज्ञापन की भाषा—शैली के विभिन्न पक्ष—सादृश्य विधान, अलंकरण, तुकांतता, समानान्तरता, विचलन, मुहावरे—लोकोक्तियाँ, भाषासंकर, भाव—भंगिमा (बॉडीलैंग्वेज)

विज्ञापन स्लोगन एवं पंचलाइन

Unit 4: विज्ञापन कॉपी के अंग

प्रिंटमाध्यम: ले आउट के विविध प्रारूप

वर्गीकृत एवं सजावटी विज्ञापन—निर्माण

रेडियो जिंगल लेखन

टेलीविजन विज्ञापन के लिए कॉपी लेखन

References 1. जनसंपर्क, प्रचार और विज्ञापन — विजयकुलश्रेष्ठ, राजस्थान प्रकाशन, जयपुर।

2. जनसंचार माध्यम : भाषा और साहित्य— सुधीशपचौरी, नटराज प्रकाशन, नई दिल्ली।

3. डिजिटल युग में विज्ञापन — सुधासिंह, जगदीश्वरचतुर्वेदी, अनामिका पब्लिकेशन, नई दिल्ली।

4. विज्ञापन की दुनिया — कुमुदशर्मा, प्रभात प्रकाशन, नई दिल्ली।

5. विज्ञापन : भाषा और संरचना — रेखासेठी, वाणी प्रकाशन, नई दिल्ली।

6. विज्ञापन और ब्रांड— संजय सिंहबघेल, सस्ता साहित्य मंडल, नई दिल्ली।

7. मीडिया और बाजार — वर्तिकानंदा, सामयिक प्रकाशन, नई दिल्ली।

SEMESTER - II

English

Name of Program		Program Code	
Name of the Course	Basics of Media Skills	Course Code	25ENG402SE01OD
Hours per Week	03	Credits	03 (L- 3-T- 0-P- 0)
Maximum Marks	20+20+20+10+5 = 75		
Course Learning Outcomes (CLO):			
CLO 1. Students will be able to demonstrate their understanding of the basic components of Mass Media			
CLO 2. Students shall be able to demonstrate their skills at reporting and editing in print and electronic media platforms			
CLO 3. Students shall be able to understand and analyze the forms and methods of communication			
Unit 1:			
i. Forms and Principles of Mass Communication			
ii. Mass Communication and Globalization			
iii. Tools of Gathering Information Avoiding Misinformation			
Unit 2:			
i. Basics of Feature Writings: Reviews, Columns, Editorials, Trend Stories			
ii. Writing News, Reports, Script Writing			
iii. Editing for Online and Print Media			
Unit 3:			
i. Social Media : Types and Impacts			
ii. Basics of Cyber Media			
iii. Ethics of Social and Cyber Media			
Unit 4:			
i. Advertisement : Types and Modes			
ii. Advertisement Ethics			
References:			
• <i>Introduction to Mass Communication Studies</i> by Fiske, John			
• <i>Mass Communication in India</i> by Kumar, Keval J.			
• <i>The Media of Mass Communication</i> by Vivian, John.			
• Theories of Mass Communication by De Fleur, M.			
• <i>Modern Journalism</i> by M V Kamath			
• <i>The Language of Newspapers</i> by Reah, Danuta			

SEMESTER - II**Sanskrit**

Name of Program		Program Code	
Name of the Course	संस्कार परिचय	Course Code	25SKT402SE01OD
Hours per Week	6	Credits	3 (Practical)
Maximum Marks	75		

Note : Formative Assessment Model

	Marks distribution
Regular assessment through observation and class discussion	10
Lab work (practical file) / Field work (report)/Portfolio	30
Assignment/Case study / Mini project (2 X 10)	20
Seminar / Presentation	10
Attendance	05
Total	75

Course Learning Outcomes (CLO):

CLO 1: The students will be able to understand the importance of Vedic Sacraments and rituals.

CLO 2: The students Will be able to understand the importance and the procedure of Pre & Post birth Sacraments.

CLO 3: The students Will be able to perform the sixteen sacraments explained in Sanskaravidhi.

Unit 1:

संस्कार (अर्थ, प्रयोजन, महत्त्व, प्रकार, संस्कार संबंधी साहित्य)

Unit 2:

पुंसवन, सीमन्तोन्नयन, जातकर्म संस्कार (स्वरूप एवं विधि)

Unit 3:

नामकरण, अन्नप्राशन, मुण्डन संस्कार (स्वरूप एवं विधि)

Unit 4:

उपनयन, वेदारम्भ संस्कार (स्वरूप एवं विधि)

References:

1. पञ्चमहायज्ञविधि – स्वामी दयानन्द सरस्वती।
2. संस्कार विधि – स्वामी दयानन्द सरस्वती।
3. संस्कार चन्द्रिका – डॉ. सत्यव्रत सिद्धान्तालङ्कार।

SEMESTER - II

History

Name of the Program	Under Graduate Single Major Programme	Program Code	USHIS4
Name of the Course	<u>Archives and Museum</u>	Course Code	25HIS402SE01OD
Hours per week	3	Course Credits	3
Formative Assessment			Marks
Written Test (2x10)			20
MCQs/Quizzes/Group Discussion (2x10)			20
Assignment/Case Study/Mini Project (2x10)			20
Seminar/Presentation			10
Attendance			05
Max. Marks			75
Course Learning Outcomes (CLO): <ol style="list-style-type: none">1. Students will be able to know various aspects of Archives and Museum.2. Students will be able to know general types of Archives and Museums.3. Students will be able to get basic knowledge of presentation and exhibition.4. Students will be able to effectively understand the relevance of Archives and Museum for society.			
Unit - I			
Definition and History of Development <ol style="list-style-type: none">1. Definition, Scope and Functions of Archives and Museum2. History and Development of Archives and Museum3. History and Development of Archives and Museum in India4. Magnificent Museums of India			
Unit – II			
Types of Achieves and Museums <ol style="list-style-type: none">1. Types of Achieves2. Types of Museums3. Conservation, Preservation and Restoration of Archives and Museums4. Legal and Ethical Issues			

Unit – III
Museum Presentation and Exhibition <ol style="list-style-type: none"> 1. Types of Museum Exhibition 2. Principle of Exhibition Design 3. Animation Techniques 4. Multimedia in Museums
Unit – IV
Archives, Museums and Society <ol style="list-style-type: none"> 1. Role of Archives and Museums in Society 2. Archival Responsibility 3. Museums and Social Responsibility 4. Archives and Museum as Cultural Heritage
References:
<ul style="list-style-type: none"> • Agrawal, O. P., Essentials of Conservation and Museology, New Delhi, 2007 • Ambrose, Timothy and Crispin, Paine, Museum Basics, London, 1993 • Balloffet, Nelly, Hille Jenny and Judith Reed, Conservation and Preservation of Records Archives, Chicago, 2015 • Banerjee, N. R., Museum and Cultural Heritage of India, New Delhi, 1990 • Basu, Purnendu, Archives and Records, What are They?, New Delhi, 1969 • Bhattacharya, Sabyasachi, Archiving the Raj: History of Archival Policy of the Govt. of India with Selected Documents 1858- 1947, New Delhi, 2018 • Breckenridge, Carol, Aesthetics and Politics of Colonial Collecting: India at World Fairs, Comparative Studies in Society and History, Vol. 31 (2), 1989, https://www.jstor.org/stable/178806 • Choudhary, R. D., Museums of India and their Maladies, Calcutta, 1998 • Cook, Michael, The Management of Information from Archives, London, 1999 • Dobрева, Milena and Ivacs Gabriella, Digital Archives: Management, Use and Access, London, 2015 • Dwivedi V. P., Museums and Museology: New Horizons, New Delhi, 1980 • Forde Helen and Rhys-Lewis Jonathan, Preserving Archives, London, 2013 • Ghose, Salien, Archives in India, History and Assets, Michigan, 1963 • Harinarayan, Nilam, The Science of Archives Keeping, Hyderabad, 1969 • Jenkinson, Hilary, A Manual of Archive Administration, London, 1922 • Johnson, Charles, The Care of Documents and Management of Archives, London, 1919

- Kathpalia, Y. P., Conservation and Restoration of Archive Material, Paris, 1973
- Markham, S. F., The Museums of India, London, 1936
- Mathur, Saloni, India by Design: Colonial History and Cultural Display, California, 2007
- Mathur, Saloni, Living Ethnological Exhibits: The Case of 1886, Current Anthropology, Vol.15 (4), 2000, <https://www.jstor.org/stable/656620>
- Nair, S. N., Bio-Deterioration of Museum Materials, Calcutta, 2011
- Plenderleith H. J., The Conservation of Antiquities and Works of Art: Treatment, Repair and Restoration, New York, 1956
- Posner, Earnest, Archives in the Ancient World, USA, 1972
- Sarkar, H., Museums and Protection of Monuments and Antiquities in India, New Delhi, 1981
- Sen, Geeti, India: A National Culture, New Delhi, 2003
- Sengupta, S., Experiencing History through Archives, New Delhi 2004
- Stielow, Frederick J. Building Digital Archives, Descriptions, and Displays, New York, 2003
- Thomson, John M. A., Manual of Curatorship: A Guide to Museum Practice, New York, 1984
- Wittlin, Alma, Museums : Its History and Its Tasks in Education, London, 1949

Note: In addition, students are advised to consult the current Research Journal of History, Archaeology and Museum.

SEMESTER - II**Public Administration**

Name of Program	(Single Major / Multidisciplinary Programs)	Program Code	UMBA4
Name of the Course	Secretarial Practices	Course Code	25PUB402SE01OD
Hours per Week	03	Credits	3
Maximum Marks			75
Formative Assessment			Marks Distribution
Written Test (2*10)			20
MCQs/Quizzes/ Group Discussion			20
Assignment/ Case Study/ Mini Project			20
Seminar/ Presentation			10
Attendance			05
Total			75
Course Learning Outcomes (CLO):			
CLO 1: Developing an understanding of the basic concepts of office management			
CLO 2: Acquiring quality skills and competencies in office management, official correspondence and time management.			
Unit 1:			
Secretary: Meaning, Types, Importance; Professional and Personal Qualities of a Secretary, Duties and Responsibilities of a Personal Secretary; Scheduling Appointments.			
Unit 2:			
Planning for Travel Arrangements for Officers on official duty; Organizing Meetings – Notice, Agenda, Quorum, Minutes; Handling of Mail; Use of Ready Reckoner, Office Manuals & Emergency Service.			
Unit 3:			
Time Management: Meaning, Definition, Importance of Time, Setting priorities. Communication: meaning, Definition, Importance, Kinds of Communication, Barriers to Effective Communication, Tools of Effective Communication.			

Unit 4:

Correspondence: Business Correspondence, Enquiry Letter, Quotation, Order, Tender, Complaint letter, Adjustment Letter and their formats, Banking Correspondence; Government Correspondence; Un-official Notes

Suggested Readings:

- Balachandran, V. (2024). Office Management and Secretarial Practice. Vijay Nicole Imprints.
- Gupta, Sanjay (2024). Office Management (Hindi). SBPD Publications.
- Pillai, RSN (2023). Office Management. S. Chand Publishers.
- Government of Haryana (2022). Manual of Office Procedure. General Administration Department.
- Government of India (2022). Central Secretariat Manual of Office Procedure. Ministry of Personnel, Public Grievances & Pensions.
- Munyua, Caroline (2021). A Text Book for Office Procedures, Office Administration & Management and Secretarial Duties. Virtue Book Publishers.
- Bhatiya, R. C. (2019). Principles of Office Management. Lotus Press.
- Sahai, I.M. (2019). Modern Office Management (Hindi). Sahitya Bhavan Publications.
- Sahai, I.M. (2019). Modern Office Management. Sahitya Bhavan Publications.
- Sahai, I.M. (2019). Office Management (Hindi). Sahitya Bhavan Publications.
- Sahai, I.M. (2019). Office Management. Sahitya Bhavan Publications.
- Sharma, Divya & Rajni (2019). Office Management and Secretarial Practice. Galgotia Publishers.
- Bist, G D (2017) Officer Secretarial Practice. Shorthand House.
- Chopra, R.K. & Gauri, Priyanka (2017). Office Management. Himalaya Publication.

SEMESTER - II
Political Science

Name of Program		Program Code	
Name of the Course	United Nations: An Introduction	Course Code	25POL402SE01OD
Hours per Week	3	Credits	3

Formative Assessment Model:

	Marks distribution
Written test (2 X 10)	20
MCQs/ Quizzes/ Group Discussion (2 X 10)	20
Assignment/Case study / Mini project (2 X 10)	20
Seminar / Presentation	10
Attendance	05
Total	75

Course Learning Outcomes (CLO):

CLO 1: To make students able to understand about the need and evolution of international organizations like League of Nations and the UNO.

CLO 2: To make familiarize the students about the relevance and contribution of the UN in peace making, peace keeping activities and in various socio-economic development related activities.

CLO 3: To make the students able to assess India's role and contribution in the international body like UNO and its claim for permanent membership in the UNSC.

Unit 1:

Evolution and growth of International Organization, league of Nations and UN System, Comparison Between League of Nations and UN System

Unit 2:

Organs of the United Nations

Unit 3:

Working of UN towards Peace: Peace Making, Peace Enforcement, Peace Building and Peace Keeping.

Unit 4:

UN and Disarmament, Democratization of UN and India's claim for Permanent Seat, Assessment of UN.

References:

1. E. Laurd, A Political Science of the United Nations, London, Macmillan, 1989.
2. W.H. Lewis (ed.), The Security Role of the United Nations, New York, Praegar, 1991.
3. P. Baehr and L. Gordenker, The United Nations in the 1990s, London, Oxford University Press, 1992.
4. K. P. Saxena, Reforming the United Nations: The Challenge and Relevance, New Delhi, Sage, 1993.

SEMESTER - II

Mathematics

Name of Program		Program Code	
Name of the Course	Numerical Analysis	Course Code	25MAT402SE01OD
Hours per Week	05	Credits	03
Maximum Marks	75	Time of Examinations	03 Hours
Course Learning Outcomes (CLO):			Mapped PLOs
CLO 1: Learn about interpolation with equal and unequal intervals.			PLO1, PLO2
CLO 2: Apply forward, backward, central and divided difference formulae for interpolation.			PLO1, PLO2
CLO 3: Apply standard probability distributions to the concerned problems.			PLO1, PLO2
CLO 4: Understand the method of numerical differentiation and various methods for finding solution of eigen value problems.			PLO1, PLO2
CLO 5: Know how to solve integration and ordinary differential equation using numerical data.			PLO1, PLO2
Section - I			
Finite Differences operators and their relations. Finding the missing terms and effect of error in a difference tabular values, Interpolation with equal intervals: Newton's forward and Newton's backward interpolation formulae. Interpolation with unequal intervals: Newton's divided difference, Lagrange's Interpolation formulae, Hermite Formula.			
Section - II			
Central Differences: Gauss forward and Gauss's backward interpolation formulae, Sterling, Bessel Formula. Numerical Differentiation: Derivative of a function using interpolation formulae.			
Eigen Value Problems: Power method, Jacobi's method, Given's method, House-Holder's method, QR method, Lanczos method.			
Section - III			
Numerical Integration: Newton-Cote's Quadrature formula, Trapezoidal rule, Simpson's one- third and three-eighth rule, Chebychev formula, Gauss Quadrature formula.			
Section - IV			
Numerical solution of ordinary differential equations: Single step methods-Picard's method. Taylor's series method, Euler's method, Runge-Kutta Methods. Multiple step methods; Predictor-corrector method, Modified Euler's method, Milne-Simpson's method.			
Practical/ Computational Work			
List of Practicals			

These programs can be implemented using C Programming

Program to find the root of an equation using:

1. Newton-Forward Interpolation Formula
2. Newton-Backward Interpolation Formula
3. Lagrange's Interpolation Formula
4. Trapezoidal Rule
5. Simpson's 1/3 Rule
6. Gauss Elimination Method
7. Gauss Seidel Method
8. Solve linear simultaneous equations by eigen value method
9. Euler's Method
10. Euler's Modified Method
11. Runge-Kutta Fourth Order Method
12. Milne Simpson Method

References:

1. Babu Ram, Numerical Methods: Pearson Publication.
2. R.S. Gupta, Elements of Numerical Analysis, Macmillan's India 2010.
3. M. K. Jain, S.R.K. Iyengar and R.K. Jain, Numerical Method, Problems and Solutions, New Age International (P) Ltd., 1996
4. M. K. Jain, S.R.K. Iyengar and R.K. Jain, Numerical Method for Scientific and Engineering Computation, New Age International (P) Ltd., 1999
5. C. E. Froberg, Introduction to Numerical Analysis (2nd Edition).
6. Melvin J. Maaron, Numerical Analysis-A Practical Approach, Macmillan Publishing Co., Inc., New York
7. R.Y. Rubnistein, Simulation and the Monte Carlo Methods, John Wiley, 1981

SEMESTER - II
Economics

Economics

Name of Program		Program Code	
Name of the Course	Database of Indian Economy	Course Code	25ECO402SE01OD
Hours per Week	3	Credits	3
Maximum Marks	75 (Formative Assessment only)		
Note: There will be no external examination. Assessment will be made on the basis of formative assessment			
Distribution		Credit =3	
Written Test (2×10)		20	
MCQs/Quizzes/Group Discussion (2×10)		20	
Assignment/Case Study/Mini Project (2×10)		20	
Seminar/Presentation		10	
Attendance		5	
Total		75	
Course Learning Outcomes (CLO):			
CLO 1: Students are able to identify the various types of databases available in India and their applications in economic research and policymaking.			
CLO 2: Students are aware about major statistical publications in key areas.			
CLO 3: Students have knowledge about conceptual and empirical problems in the use of data is increased.			
CLO 4: students are able to use the various database such as RBI , CMIE, etc			
Unit 1:			
Importance of data in economic analysis and Policy formulation. Nature and types of database available in India. Sample and Census enumeration, method, Micro, Aggregative etc. Limitations of statistical data in India.			
Unit 2:			
Statistical and Data Collection system in India at the Centre and in the States. Major Statistical Publications in India. Population, National Income, Agriculture, Industry, Employment and Labour, Public Finance, Money Supply and Banking, Foreign Trade.			
Unit 3:			
Statistics in India: aspects of each on which data are available, main data publications in each category and conceptual and empirical problems in the use of each types of these statistics. National Sample Survey Office (NSSO) – Household Consumer Expenditure Survey Rounds.			
Unit 4:			
Data Sources in India: Economic Survey and Budget documents at central and state levels. Reserve Bank of India (RBI)-Database of Indian Economy. Export import Data Bank. Other data collecting and publishing agency: Centre for Monitoring Indian Economy (CMIE) database. India Stat etc.			
References:			
➤ Goon, A. M, Gupta, M. K, and Dasgupta, B. Fundamentals of Statistics (Volume One), The World Press Private Ltd.			
➤ GOI, Note on Sample Design and Estimation Procedure of NSS 68th Round, National Sample Survey Office, Ministry of Statistics and Programme Implementation.			
➤ GOI, SRS Statistical Report 2016, Office of the Registrar General & Census Commissioner, India Economic Survey.			
➤ Raza, M, Naqvi, S & Dhar, J, 1978, Sources of Economic and Social Statistics in India. Eureka Publications, New Delhi.			
➤ Rao, C R (Editor), 1972, Data Base of Indian Economy, Vol. I and Vol. II, Statistical Publishing Society, Calcutta.			

C) ABILITY ENHANCEMENT COURSES (AEC)

SEMESTER - II

हिंदी भाषा संवर्धन-1

Course Code	25HNDX01AE01OD	Course Credits	2(L:T:P:) (2:0:0)
Max. Marks	50(External)		
Examiner will be required to set NINE questions in all. Question No. 1 will be compulsory which consists of 12 short-answer type questions each of 2 marks covering the entire syllabus out of which candidate will be required to attempt eight questions. In addition to Q.No.1, candidate will be required to attempt four more questions from the remaining eight questions each carrying 16 marks.			

Course Objectives:

1. विद्यार्थियों को हिन्दी भाषा के महत्त्व एवं गुणवत्ता से सुविज्ञ करवाकर हिन्दी की ओर उन्मुख करना।
2. विद्यार्थियों को हिन्दी-भाषा की वैज्ञानिकता के विषय में बतलाकर इसके गौरव से सुपरिचित करवाना।
3. हिन्दी भाषा के माध्यम से नवयुवक-नवयुवतियों को राष्ट्रीयता के पुनीत भावों की ओर उन्मुख करना।

Course Outcomes

1. शुद्ध हिन्दी के प्रयोग में अभिवृद्धि होगी।
2. व्यवसाय एवं रोजगार की उपलब्धता वाले सभी क्षेत्रों में हिन्दी भाषा में निष्णात युवाओं की प्रतिभागिता में अभिवृद्धि होगी।
3. अन्तरराष्ट्रीय स्तर पर हिन्दी-भाषा के वर्चस्व की स्थापना होगी और हिन्दी-भाषी को देश और विदेश में समुचित सम्मान मिलेगा।

इकाई-1

लिपि का मानकीकरण, मानक वर्णमाला, देवनागरी अंक माला, अनुस्वार और विसर्ग, अनुनासिक,

इकाई- II

सृजनात्मक साहित्य का अर्थ, परिभाषा और स्वरूप: आलोचनात्मक साहित्य का अर्थ, परिभाषा और स्वरूप: सृजनात्मक साहित्य का भाषा-विकास में महत्त्व,

इकाई- III

अनुवाद : अर्थ, परिभाषा और स्वरूप अनुवाद का महत्त्व, अनुवादक के गुण, अनुवाद के प्रकार : अनुवाद में कंप्यूटर का योगदान, सीरियलों का हिंदी अनुवाद, बैंकिंग साहित्य का अनुवाद, अनुवाद-क्षेत्र में रोजगार

इकाई-IV

पत्र प्रस्तुतीकरण का अर्थ, पत्र प्रस्तुतीकरण और नवीन शोधात्मक वैचारिकता, पत्र प्रस्तुतीकरण और शिक्षक की भूमिका, प्रस्तोता का मनोबल, वक्तृत्व कला का विकास, शोधात्मक अभिरुचि का विकास

प्रेरणास्पद पुस्तकें :

1. डॉ० हरिश्चन्द्र वर्मा, शुद्ध लेखन और हिन्दी का मानक रूप, विद्या भारती, संस्कृति शिक्षा संस्थान, कुरुक्षेत्र (हरियाणा)
2. सम्पा० कालिका प्रसाद, राजवल्लभ सहाय, मुकुन्दीलाल श्रीवास्तव, बृहत् हिन्दी कोश: ज्ञानमण्डल लिमिटेड, वाराणसी
3. मुख्य सम्पादक, डॉ० लक्ष्मीनारायण शर्मा, परिशोध, मानव-मूल्य विशेषांक, 1993
4. डॉ० धर्मपाल मैनी, भारतीय जीवनमूल्य, भारतीय संस्कृति संस्थान, गुड़गाँव
5. बृहत् प्रशासन शब्दावली, हिन्दी-अंग्रेजी, वैज्ञानिक तथा तकनीकी शब्दावली आयोग, नई दिल्ली-110006
6. बृहत् प्रशासन शब्दावली, अंग्रेजी-हिन्दी, वैज्ञानिक तथा तकनीकी शब्दावली आयोग, नई दिल्ली-110006
7. बृहत् पारिभाषिक शब्द-संग्रह, मानविकी, खंड- II, वैज्ञानिक तथा तकनीकी शब्दावली आयोग, केन्द्रीय हिन्दी निदेशालय शिक्षा तथा समाज कल्याण मंत्रालय, भारत सरकार
8. डॉ० अनन्त चौधरी, नागरी लिपि और हिन्दी-वर्तनी बिहार हिन्दी ग्रन्थ अकादमी, पटना-3
9. डॉ० सुरेश सिंहल, अनुवाद सिद्धान्त एवं व्यवहार, अभिनव प्रकाशन, दिल्ली-6
10. डॉ० सुरेश सिंहल, प्रयोजनमूलक अनुवाद, मोनिका प्रकाशन, दिल्ली-110053

D) MULTIDISCIPLINARY COURSE (MDC)

SEMESTER - II

English

Name of Program		Program Code	
Name of the Course	Introduction to Prose and Composition	Course Code	25ENGX02MD01OD
Hours per Week	03	Credits	03 (L- 3-T- 0-P- 0)
Maximum Marks	20+20+10+20+05 = 75		
Course Learning Outcomes (CLO): CLO 1.The students will be able to understand various components of prose. CLO 2. They will enrich their knowledge of different prose styles. CLO 3.The students will be able to write paragraphs, essays, and précis. CLO 4.The students will be able to write speeches and resume.			
Unit 1: Essays <div>1. Francis Bacon : “Of Studies” 2. Charles Lamb : “Dream Children: A Reverie” 3. E. M. Forster : “Tolerance”</div>			
Unit 2: Essays <div>1. R.K. Narayan : “My Educational Outlook 2. Nirmal Verma : “Language and National Identity” 3. A.P.J. Abdul Kalam: “Great Books Born out of Great Minds”</div>			
Unit 3: Composition <div>1. Letter Writing: Formal and Informal 2. E-mail Writing, Application Writing</div>			
Unit 4: Composition <div>Resume Writing Précis</div>			
References: Wren and Martin <i>English Grammar and Composition</i> Gordon Jarvie <i>Grammar Guide</i> (Bloomsbury) Edward Fulton <i>English Prose Composition</i>			
FORMATIVE ASSESSMENT EVALUATION PROCESS			
			Marks distribution
Written test (2 X 10)			20
Class assignments / Case study / Mini project (2 X			20

	10)	
	Book review / Essay / Seminar (1 X 10)	10
	Quiz / Group discussion / Debate (2 X 10)	20
	Attendance	05
	Total	75

SEMESTER - II
हिंदी : भाषा और इतिहास

Course Code	25HNDX02MD01OD	Course Credits	3 Credits
Max. Marks	75 (External (term-end exam)-50 (Internal -25)	Time of end term examination	3 Hours
<p>Note: Examiner will set nine questions in total. Answer to question no. I shall be compulsory comprising questions from all four units and remaining eight questions shall be set by taking two questions from each unit. The students have to attempt five questions in total, first being compulsory and selecting one from each unit.</p>			
<p>Course Objectives:</p> <ol style="list-style-type: none"> 1. हिंदी भाषा और साहित्य की सामान्य जानकारी विकसित करना। 2. विशिष्ट कविताओं के अध्ययन विश्लेषण के माध्यम से कविता संबंधी समझ विकसित करना। 			
<p>Course Outcomes:</p> <ol style="list-style-type: none"> 1. हिंदी साहित्य और भाषा के विकास की स्पष्ट समझ विकसित होगी। 2. विशिष्ट कविताओं के अध्ययन से साहित्य की समझ विकसित होगी। 			
Unit – I			
<ol style="list-style-type: none"> 1. हिंदी भाषा और साहित्य 2. हिंदी भाषा का उद्भव और विकास 3. हिंदी की प्रमुख बोलियों का परिचय 4. हिंदी साहित्य का इतिहास : संक्षिप्त परिचय (आदिकाल, मध्यकाल) 5- हिंदी साहित्य का इतिहास : संक्षिप्त परिचय (आधुनिक काल) 			
Unit-II			
<p>भक्तिकालीन कविता :</p> <p>(क) कबीर – कबीर ग्रंथावली, सं. श्यामसुंदर दास, नागरीप्रचारिणी सभा, वाराणसी 17वां संस्करण, सं. 2049 वि. साखी गुरुदेव कौ अंग – 24, 25, 26, 27, 28, 33, 34 :</p> <p>(ख) तुलसी रामचरितमानस' गीताप्रेस गोरखपुर से 'केवट प्रसंग'</p>			

Unit-III
<p>—मैथिलीशरण गुप्त – नर हो न निराश करो</p> <p>— सूर्यकांत त्रिपाठी 'निराला' – तोड़ती पत्थर</p> <p>—केदारनाथ अग्रवाल – धूप</p>
Unit-IV
<p>आधुनिक कविता</p> <p>— सुभद्रा कुमारी चौहान – बालिका का परिचय</p> <p>—निराला : तोड़ती पत्थर</p>
<p>Suggested Readings:</p> <ol style="list-style-type: none"> 1. रामचंद्र शुक्ल – हिंदी साहित्य का इतिहास 2. हजारीप्रसाद द्विवेदी – हिंदी साहित्य की भूमिका 3. सं. डॉ. नगेंद्र – हिंदी साहित्य का इतिहास 4. रामस्वरूप चतुर्वेदी – हिंदी साहित्य और संवेदना का विकास 5. आ. विश्वनाथ प्रसाद मिश्र – भूषण ग्रंथावली 6. डॉ. विजयेन्द्र स्नातक : हिंदी साहित्य का इतिहास

SEMESTER - II
Sanskrit

Name of Program	Not to be filled	Program Code	Not be filled
Name of the Course	Sanskrit Niti Literature संस्कृत नीति साहित्य	Course Code	25SKTX02MD01OD
Hours per Week	3	Credits	3
Maximum Marks	75		

Note : Formative Assessment Model

	Marks distribution
Written test (2 X 10)	20
Class assignments / Case study / Mini project (2 X 10)	20
Book review / Essay / Seminar (1 X 10)	10
Quiz / Group discussion / Debate (2 X 10)	20
Attendance	05
Total	75

Course Learning Outcomes (CLO):

CLO 1: The students will be able to know the importance of self respect according to Nitishatakam.

CLO 2: The students will be able to know the various components of ethics & morality through the readings of Vidur Niti.

CLO 3: The students will be able to know the various components of ethics & morality through the readings of Nitishatakam.

CLO 4: The students will be able to know the importance of morality.

CLO 5: The students will be able to know the outlines of Niti Literature available in Sanskrit Tradition.

Unit 1:

Vidur Niti

Chapter-I (01 - 35 Verses)

Unit 2:**Hitopadesha**

Mitralabha – Kathamukh, Kaka-Mriga – Kurma – Mushika – Katha, Gridha – Vidal - Katha

Unit 3:

Niti Shatkam (Verses 11 – 30)

Unit 4:

Origin & Development of Niti Literature

Panchtantra, Hitopadesha, Kathasaritsagar, Nitishatkam.

References:

1. विदुरनीति, चौखम्बा प्रकाशन, दिल्ली।
2. हितोपदेश, चौखम्बा प्रकाशन, दिल्ली।
3. विष्णुदत्त शर्मा शास्त्री, नीतिशतकम् (भर्तृहरि) ज्ञान प्रकाशन मेरठ।
4. A Collection of Ancient Hindu Tales (ed.) Franklin Edgerton, Johannes Hertel, 1908.
5. उमाशंकर शर्मा ऋषि, संस्कृत साहित्य का इतिहास, चौखम्बा भारती अकादमी, वाराणसी।
6. Keith. Arthur Berriedale. A History of Sanskrit Literature, MLBD, Delhi.

SEMESTER- II

Mathematics

Name of Program	B.A. / B.Sc.	Program Code	Not be filled
Name of the Course	Mathematical Reasoning	Course Code	25MATX02MD01OD
Hours per Week	03	Credits	03
Maximum Marks	75	Time of Examinations	03 Hours
Course Learning Outcomes (CLO):			Mapped PLOs
CLO 1: Identify and solve analogy-based problems by establishing relationships between pairs of words or symbols.			PLO2
CLO 2: Solve problems related to coding-decoding.			PLO2
CLO 3: Solve problems based on number series, ranking, and time sequence.			PLO2
CLO 4: Handle various mathematical and logical operations.			PLO2
CLO 5: Read and use various graphs and diagrams.			PLO2, PLO4
Section - I			
Analogy, Classification, Series Completion, Coding-Decoding, Blood relation, Puzzle Test.			
Section - II			
Sequential output tracing, Logical Venn Diagram, Alphabet Test, Number, Ranking and Time sequence test.			
Section - III			
Mathematical operation, Logical sequence and Word, Arithmetical Reasoning.			
Section - IV			
Data Interpolation and Reasoning: Tabulation, Bar Graphs, Line Graphs, Pie Chart, Venn Diagrams, Analytical Reasoning, Mirror images.			
References:			
1. Aggarwal, R.S., A Modern Approach to Verbal and Non-Verbal Reasoning, S. Chand Co. Pvt. Ltd., New Delhi, Revised Edition, 2018.			
2. Sundstrom, T., Mathematical Reasoning, Writing and Proof, Version 2.1, Sundstrom2-1.pdf (sc.edu)			

SEMESTER - II

History

Name of the Program	Under Graduate Single Major Programme	Program Code	USHIS4
Name of the Course	Rise of Civilization	Course Code	25HISX02MD01OD
Hours per week	3	Course Credits	3
Formative Assessment			Marks
Written test (2 X 10)			20
Class assignments / Case study / Mini project (2 X 10)			20
Book review / Essay / Seminar (1 X 10)			10
Quiz / Group discussion / Debate (2 X 10)			20
Attendance			05
Max. Marks			75
Course Learning Outcomes (CLO):			
<ol style="list-style-type: none"> 1. Students will be able to understand the concept of civilization. 2. Students will be able to get basic knowledge of the origin, extent and expansion of a civilization. 3. Students will be able to get basic knowledge of socio-economic aspects of a civilization. 4. Students will be able to effectively understand the relation between the civilizations. 			
Unit - I			
<ol style="list-style-type: none"> 1. Mesopotamian Civilization: Sumerian, Babylonian and Assyrian 2. Society and Religion, Administration, Art and Architecture 			
Unit – II			
<ol style="list-style-type: none"> 1. Egyptian Civilization: Political Development, Art and Architecture, Religion 2. Chinese Civilization : Polity, Society, Science & Technological Developments 			
Unit – III			
<ol style="list-style-type: none"> 1. Maya Civilization: Polity, Society, Art, Religion, Decline 2. Inca Civilization: Origin, Polity, Society and Economy, Religion, Art and Architecture, Decline 			

Unit – IV
1. Greek Civilization: Athenian Democracy, Society and Culture 2. Roman Civilization: Establishment of Republic, Society and Cultures
References: <ul style="list-style-type: none"> • Aldred, Cyril, The Egyptians, London, 1998 • Barzun, Jacques, From Dawn to Decadence, New York, 2000 • Basala, George, The Evolution of Technology, Cambridge, 1988 • Blaha, Stephen, The Life Cycles of Civilizations, USA, 2002 • Boorstin, Daniel, The Creators: A History of Heroes of the Imagination, New York, 2002 • Breasted, J. H., History of Egypt, London, 1941 • Bryson, Bill, A Short History of Nearly Everything, New York, 2003 • Chang, K. C. and Xu Pingfang, The Formation of Chinese Civilization – An Archaeological Perspective (The Culture & Civilization of China), China, 2005 • Christopher Chase and Thomas D. Hall, Rise and Demise: Comparing World-Systems, USA, 1997 • Coulborn, Rushton, , The Origin of Civilized Societies, New Jersey, 1958 • Fagan, Brian, The Long Summer: How Climate Changed Civilization, New York, 2004 • Farooqi, Amar, Prachin aur Madhyakalin Samajik Sanrachanayen aur Sanskritiyan, New Delhi, 2003 • Felipe Fernandez-Armesto, Civilizations: Culture, Ambition, and the Transformation of Nature, USA, 2000 • Foster, J. R. and Charles Hartman, A History of Chinese Civilization, Cambridge, 1996 • Goyal, Shriram, Vishva ki Prachin Sabhyatayen, Varanasi, 1994 • Greensboro, N. C. and Elman Service, Origins of the State and Civilization, New York, 1975 • Jones, A. H. M., The Greek City from Alexander to Justinian, London, 1984 • Kumar, Rakesh, Ancient and Medieval World, New Delhi, 2018 • Microop M. V. De, History of Ancient Egypt, New Jersey, 2010 • Oates, D., The Rise of Civilization, Oxford, 1976 • Pathak. S. M., Visva ki Prachina Sabhyataon ka Itihas, Patna, 1986 • Pollock, Susan Ancient Mesopotamia: The Eden that Never Was: 1 (Case Studies in Early Societies), UK, 1999 • Postgate, Nicholas, Early Mesopotamia: Society and Economy at the Dawn of History, UK, 1992 • Potts, D. T., Mesopotamian Civilization: the Material Foundation, London, 1997 • Ray U. N., Vishva Sabhyata ka Itihas, Lok Bharti, Allahabad, 1982 • Redman, The Rise of Civilization, San Francisco, 1978 • Roberts, J. M., History of the World, Third Edition, Oxford, 1993 • Romer, J., History of Ancient Egypt : From the First Farmers to the Great Pyramid, London, 2013 • Roux, George, Ancient Iraq, London, 1992 • Shaw, Ian, The Oxford History of Ancient Egypt, Oxford, 2003 • Shukla S. P. and Rajender Singh, Vishva ki Prachin Sabhaytayen evam Sansthayen, Jaipur, 2003 • Stephen K. S., Macro-history: An Introduction to Human Societies, New York, 1991 • Trigger, B., Understanding Early Civilizations: A Comparative Study, Cambridge, 2003 • Weber, Max, The Agrarian Sociology of Ancient Civilizations, London, 1976

Note: In addition, students are advised to consult the current Research Journal of History.

SEMESTER - II

Political Science

Name of Program	B.A. Multidisciplinary	Program Code	MDC-2
Name of the Course	Nationalism in India	Course Code	25POLX02MD01OD
Hours per Week	3	Credits	3
Formative Assessment			Marks Distribution
Written Test (2*10)			20
Class Assignments/ Mini Project (2*10)			20
Book Review/ Essay/ Seminar (1*10)			10
Quiz/Group Discussion/ Debate(2*10)			20
Attendance			05
Total			75
Course Learning Outcomes (CLO) are to:			
CLO 1: Develop an understanding about the nationalist movement in India, factors behind it, phases and impacts.			
CLO 2: Build an perceptive about the different types of nationalist movements' i.e. swadeshi, revolutionaries, religious and social etc.			
CLO 3: Create and understanding about the sensitive issues related to the riots, partition related issues, its aftermaths and situation of independent India.			
UNIT – I			
Reformism and Anti-Reformism in the Nineteenth Century: Major Social and Religious Movements in 19th century			
Unit 2:			
Nationalist Politics and Expansion of its Social Base			
Phases of Nationalist Movement: Liberal Constitutionalists; Swadeshi; Revolutionaries, Socialists and Communists; Beginning of Constitutionalism in India			
Unit 3:			
Gandhi and Mass Mobilisation: Non-Cooperation Movement, Civil Disobedience Movement, and Quit India Movement			

Unit 4:

Partition, Independence and Integration of states Communalism in Indian Politics, The Two-Nation Theory and Partition, Independence and Integration of Indian States

References:**Essential/recommended readings:****Reformism and Anti-Reformism in the Nineteenth Century:**

S. Bandopadhyay (2004) From Plassey to Partition: A History of Modern India, New Delhi: Orient Longman, pp.139-158, 234-276.

A. Sen (2007) 'The idea of Social Reform and its Critique among Hindus of Nineteenth Century India', in S. Bhattacharya (ed.) Development of Modern Indian Thought and the Social Sciences, Vol. X. New Delhi: Oxford University Press.

Nationalist Politics and Expansion of its Social Base:

S. Bandopadhyay (2004) From Plassey to Partition: A History of Modern India. New Delhi: Orient Longman, pp. 279-311.

S. Sarkar (1983) Modern India (1885-1947), New Delhi: Macmillan,

P. Chatterjee (1993) 'The Nation and its Past', in P. Chatterjee, The Nation and its Fragments: Colonial and Postcolonial Histories. New Delhi: Oxford University Press, pp. 76- 115.

Partition, Independence and Integration of States:

A. Jalal, and S. Bose (1997) Modern South Asia: History, Culture, and Political Economy. New Delhi: Oxford University Press, pp. 135-156.

A. Nandy (2005) RashtravadbhanamDeshbhaktiTranslated by A. Dubey, New Delhi: Vani Prakashan. pp. 23-33. (The original essay in English is from A. Nandy (1994) New Delhi: Oxford University Press, pp. 1-8.)

V P Menon (1956), CH I- Setting the Stage and Ch XXV- The Cost of Integration, in The Story of the Integration of the Indian States, Orient Longman.

B.Chakrabarty and R. Pandey (2010) Modern Indian Political Thought, New Delhi: Sage Publications.

P. Chatterjee (1993) The Nation and its Fragments: Colonial and Postcolonial Histories, New Delhi: Oxford University Press.

R. Pradhan (2008) Raj to Swaraj, New Delhi: Macmillan (Available in Hindi).

S. Islam (2006) Bharat Mein AlgaovaadaurDharm, New Delhi: Vani Prakashan.

SEMESTER - II
Public Administration

Name of the Program	UG 4 Years Public Administration	Program Code	MDC-2
Name of the Course	Introduction to Indian Administration	Course Code	25PUBX02MD01OD
Hours/Week	03	Credits	3
Maximum Marks			75
Formative Assessment			Marks Distribution
Written Test (2*10)			20
Class Assignments/ Case Study/ Mini Project (2*10)			20
Book Review/ Essay/ Poster Presentation (1*10)			10
Quiz/ Seminar/Group Discussion/ Debate(2*10)			20
Attendance			05
Total			75
<p>Course Learning Outcomes</p> <p>CLO-1.Students would be able to get knowledge about administration in Mauryan, Mughal and British Period & their impact on Indian Administration.</p> <p>CLO-2. They would get knowledge about the operational working level.</p> <p>CLO-3. Students would get an understanding with the organization and functions of Important Administrative Institutions.</p> <p>CLO-4 Students would become about the role of Civil Services, UPSC, CAT etc.</p>			
Unit – I			
Evolution of Indian Administration: Contribution of Mauryan, Mughal and British Administration in its evolution, Salient features of Indian Administration, Federal & Unitary aspects of Indian Administration, Impact of British Administration on Indian Administration.			
Unit – II			
Political Executive at Union & State level: President & Prime Minister, Governor & Chief Minister			
Unit – III			
Structures & Functions of Important Administrative Institutions: Lokpal & Lokayukta, Central Vigilance Commission, Central and State Information Commissions.			
Unit – IV			
Role of Civil Service in India, Union Public Service Commission and State Public Service Commission: Composition and Functions, Central and State Administrative Tribunals.			

Suggested Readings:

- Mohit Bhattacharya, Asit Basu, Indian Administration-,The world press private limited, Kolkata, 2024.
- Rajender Prasad, Meena, Bhart Mein Rajya Prashashan, Rajasthan Hindi Granth Academy, Jaipur, 2020.
- R.K. Saprui, Indian Administration, Sage Publication Pvt. Ltd., New Delhi. 2018.
- B.L. Fadia & K. Fadia, Indian Administration, Sahitya Bhawan Publication, Agra, 2017.
- Avasthi & Avasthi, Indian Administration, L.N. Aggarwal Publications, Agra, 2017.
- Bidyut Chakrabarty, Indian Administration, Sage Publication Pvt. Ltd., New Delhi, 2016.
- Abrar, R., Indian Public Administration, Wisdom Press, New Delhi, 2016.
- Goyal, Vijay Kumar and B.K. Garg, Rural Development Administration, New Delhi: Alfa Publications, 2013.
- Gupta, Jawahar Lal, Indian Administration: Evolution & Development, Wisdom Press, New Delhi, 2013.
- R.K. Arora, Indian Public Administration: Institutions and Issues, New Age International Publishers, New Delhi, 2012 (3rd edition).
- Hoshiyar Singh, Indian Administration Pearson, London, 2011.
- Vishnu Bhagwan, Vidya Bhushan, Indian Administration, S. Chand, New Delhi, 2011.
- Sharma, P.D., & Sharma, B.M., Indian Administration: Retrospect and Prospect, Rawat Publication, Jaipur, 2009.
- Chahar, S.S., District Administration in Era of Globalization, Concept Publication, New Delhi, 2009
- S.C. Mehta, Bhartiya Prashashan, HRDM Publication, New Delhi, 2007.
- Prasad, Kamala, Indian Administration, Politics, Policies and Prospects, New Delhi, Pearson Longman, 2006.
- Maheshwari, S.R., Indian Administration, New Delhi, Orient Longman, 2000.

SEMESTER - II
Economics

Name of Program		Program Code	UMBA4
Name of the Course	Economic History of India: 1857-1947	Course Code	25ECOX02MD01OD
Hours per Week	3	Credits	3
Maximum Marks	75 (Formative Assessment only)		
Note: There will be no external examination. Assessment will be made on the basis of formative assessment			
Formative Assessment Criteria for Three Credit Theory Course			
Distribution		Credit =3	
Written Test (2×10)		20	
Class Assignments/Case Study/Mini Project (2×10)		20	
Book Review/Essay/Seminar (1×10)		10	
Quiz/Group Discussion/Debate (2×10)		20	
Attendance		5	
Total		75	
Course Learning Outcomes (CLO):			
CLO 1: Have a basic understanding of Indian Economy in the pre-independence period			
CLO 2: Students are aware of the challenges faced by various sectors during the British rule			
CLO 3: Enhanced knowledge about the Economic History of India			
Unit 1:			
Why study economic history, the problems in interpreting India’s past, the state of the Indian Economy on the eve of independence, Indian Economy in the mid-nineteenth century, growth of the empire and systems of land settlements in the Colonial India.			
Unit 2:			
Transformation of the traditional village – economy during the British rule, Commercialization of agriculture – its causes and consequences, Emergence of agricultural labour as a category, movement of agricultural wages and prices during the period – problems of rural indebtedness.			
Unit 3:			
The state of industrial development in mid-nineteenth century India, the de-industrialization thesis –its statement and validity, emergence of modern capitalist industrial enterprise in India – Textile (Jute and Cotton), Iron & Steel, Cement, Coal, Tea.			
Unit 4:			
Foreign capital in Colonial India – its extent and impact; foreign-trade-growth and composition; ‘guided under-development’ of India under the British rule; evolution of provincial finance, the nature and problem of public debt; Economic drain from India -form, extent and consequences.			
References:			
➤ Tirthankar Roy (2011), Economic History of India 1857-1956, OXFORD			
➤ G. Kausha (2004), Economic History of India- 1757 to 1966., Kalyani Publishers, New Delhi.			
➤ V B Singh (ed.), 1965, Economic History of India 1857-1956. Allied Publications Private Limited, Bombay, 1965.			

E) VALUE ADDED COURSE (VAC)

SEMESTER-II

Name of the Program		Program Code	-----
Name of the Course	Environmental Science	Course Code	25EVSX01VA01OD
Hours/Week	2	Credits	2
Max.Marks.	50		
Examiner will be required to set NINE questions in all. Question No. 1 will be compulsory which consists of 12 short-answer type questions each of 2 marks covering the entire syllabus out of which candidate will be required to attempt eight questions. In addition to Q.No.1, candidate will be required to attempt four more questions from the remaining eight questions each carrying 16 marks.			
Course Objectives: To create pro-environment attitude and a behavioral pattern in student community and society that attaches importance and priority to create sustainable lifestyle and awareness on various Environmental issues			
Course Outcomes: On successful completion of this course, the student will be able to have a critical thinking on various dimensions of environment problems such as water and air pollution, depletion of natural resources, biodiversity and destruction of eco system vis-avis globalclimate changeand thinkof solution.			
Unit-I Introduction to Environmental Studies: Multidisciplinary nature of environmental studies. Scope and importance; Concept of sustainability and sustainable development. Societal issues and environment, human population and environment. Ecosystems: Introduction, types, characteristic features, structure and function of the following ecosystem: -a.Forestecosystemb.Grasslandecosystemc.Desertecosystemd.Aquaticecosystems (ponds,streams,lakes,rivers,oceans,estuaries)			
Unit-II Renewable and non-renewable resources: Natural resources and associated problems. a) Forest resources: Use and over-exploitation, deforestation.Timber extraction, mining, dams and their effects on forest andtribal people. b) Water resources: Use and over-utilizationof surface and ground water, floods, drought, conflicts over water, dams-benefits and problems. c) Mineral resources: Use and exploitation, environmental effects of extracting and using mineral resources. d)Food resources: World food problems, changes caused by agriculture and overgrazing, effects of modern agriculture, fertilizer-pesticide problems, water logging, salinity, case studies. e) Energy resources: Growing energy needs, renewable and non-renewable energy sources,use ofalternate energy sources. f) Land resources:Land asa resource, land degradation, man induced landslides, soilerosion anddesertification.Roleofanindividual inconservervation of naturalresources.Equitable use of resources for sustainable lifestyles.			

Unit-III

Biodiversity and its conservation: Introduction-Definition: genetic, species and ecosystem diversity. Biogeographical classification of India. Value of biodiversity: consumptive use, productive use, social, ethical, aesthetic and option values Biodiversity at global, National and local levels. Hot spots of biodiversity. Threats to biodiversity: habitat loss, poaching of wildlife, man-wildlife conflicts. Endangered and endemic species of India. Conservation of biodiversity: In-situ and Ex situ conservation of biodiversity.

Unit-IV

Environmental Pollution: Definition, Cause, effects and control measures of:- a. Air pollution b. Water pollution c. Soil pollution d. Marine pollution e. Noise pollution f. Thermal pollution g. nuclear hazards h. Solid waste. Role of an individual in prevention of pollution. Disaster management: floods, earthquake, cyclone and landslides. Water Conservation and its strategies. Climate change- green house gases, acid rain and global warming.

SEMESTER - III

A) DISCIPLINE SPECIFIC COURSES (DSC)

SEMESTER – III

English

Name of Program		Program Code	
Name of the Course	Introduction to British Novel (Aphra Behn to Fielding)	Course Code	26ENGM403DS01OD
Hours per Week	04	Credits	04 (L-3 - T-1 - P-0)
Maximum Marks	70+30=100	Time of Examination	3 Hours
Note: Question No 1 Students shall be required to attempt any four Short notes (100-150) words each out of the given six selecting at least one from each unit. Questions 2, 3, 4 and 5 shall be essay type questions with internal choice. All questions carry equal marks.			
Course Learning Outcomes (CLO): CLO 1. The course offers and insight into the aspects of the novel while laying special emphasis on the development of the novel along with the seven universal aspects. CLO 2. The course traces the trajectory of the growth of British English Novel across difference ages. CLO 3. It familiarizes the students with the socio-cultural and historical phenomena influencing the discursive framework of different ages.			
Unit 1: E.M. Forster <i>Aspects of the Novel</i>			
Unit 2: Aphra Behn <i>Oroonoko: or, the Royal Slave</i>			
Unit 3: Daniel Defoe <i>Robinson Crusoe</i>			
Unit 4: Henry Fielding <i>Joseph Andrews</i>			
References: Claude Rawson, The Cambridge Companion to Henry Fielding David Lodge, The Art of Fiction			

Derek Hughes and Janet Todd, *The Cambridge Companion to Aphra Behn*
Ernest Baker, *History of the English Novel*
Hayden White, *The Fiction of Narrative*
Ian Watt, *The Rise of the Novel*
James Sutherland, *A Background to 18th-Century Literature*
John Richetti, *The Cambridge Companion to Daniel Defoe*
Patricia Meyer Spacks, "Novel Beginnings: Experiments in Eighteenth-Century English Fiction"
Walter Allen *The English Novel*

SEMESTER - III
Hindi

Name of Program		Program Code	
Name of the Course	हिन्दी कविता (मध्यकाल और आधुनिककाल)	Course Code	26HNNDM403DS01OD
Hours per Week	4	Credits	4
Maximum Marks	100	Time of Examinations	3 Hours

Note:

Examiner will set nine questions and the candidates will be required to attempt five questions in all. Question number one will be compulsory containing short answer type questions from all units. Further, examiner will set two questions from each unit and the candidates will be required to attempt one question from each Unit. All questions will carry equal marks.

Course Learning Outcomes (CLO):

- विद्यार्थियों को मध्यकाल की पृष्ठभूमि से अवगत कराना
- विद्यार्थियों को आधुनिककाल की पृष्ठभूमि से अवगत कराना

Unit 1:

भक्तिकालीन हिंदी कविता.

कबीर :

गुरु गोविन्द दोऊ खड़े

निंदक नियरे राखिये...

माला फेरत जुग भया...

पाहन पूजे हरि मिले

Unit 2:

सूरदास :

मैया में नहिं माखन खायौ...

ऊधो मन न भए दस-वीस...

Unit 3:

रीतिकालीन हिंदी कविता

(क) बिहारी :

मेरी भव बाधा हरौ...

कनक कनक ते सौ गुनी...

थोड़े ही गुन रीझते...

कहत नटत रीझात खिजत...

घनानंद

यूपी सनेह को मारग... शारे रूप की रीति अनूप...

Unit 4:

आधुनिक हिंदी कविता

मैथिलीशरण गुप्त नर हो न निराश करो...

सुमित्रानंदन पन्त आह। धरती कितना देती है...

References:

1. कबीर – हजारी प्रसाद द्विवेदी
2. तुलसी काव्य मीमांसा – उदयभानु सिंह
3. हिन्दी साहित्य का सरल इतिहास – विश्वनाथ त्रिपाठी

SEMESTER - III

Sanskrit

Name of Program	UG MULIDISCIPLINARY	Program Code	
Name of the Course	संस्कृत III	Course Code	26SKTM403DS01OD
Hours per Week	4	Credits	4
Maximum Marks	100	Time of Examinations	3 HOURS
Course Learning Outcomes (CLO): CLO 1: Students will be able to conduct simple conversations in Sanskrit. CLO 2: Students will gain the ability to read and understand 'Valmiki Ramayana' and will be able to discuss the themes, characterisation, cultural and literary significance of this ancient Sanskrit Epic. CLO 3: Students will achieve a thorough understanding of Sanskrit grammar through the rules of various types of Pratyayas, Nijanta and Sannanta roopas. They will be able to apply these rules in constructing sentences. CLO 4: Students will be able to know the formation of the different types of Sanskrit compounds and their examples.			
Unit 1: संस्कृतवागव्यवहारः – संस्कृतव्यवहारसाहस्री (17 से 21 पाठ पर्यन्त)			
Unit 2: रामायण बालकाण्ड प्रथम अध्याय			
Unit 3: व्याकरणम् – (क) तद्धित प्रत्यय – मतुप्, इनि, ठक्, त्वा, तल् । (ख) निम्न धातुओं के णिजन्त व सन्नन्त रूप – भू, पठ्, गम्, पा, हस्, नम्, नृत्, पृच्छ्, चिन्त्, जि, लिख्, श्रू, धृ, दा, स्था, हन् । (ग) समास – अव्ययीभाव, तत्पुरुष ।			

Unit 4:

हिन्दी से संस्कृत में अनुवाद।

दिशा-निर्देश –

प्रथम प्रश्न अनिवार्य है, इसमें सम्पूर्ण पाठ्यक्रम में से 7 वस्तुनिष्ठ प्रश्न पूछे जाएंगे। $7 \times 2 = 14$

शेष प्रश्नों के निर्देश अधोलिखित हैं।

यूनिट – 1 संस्कृत में पूछे गए 12 प्रश्नों में से किन्हीं 07 प्रश्नों का संस्कृत में उत्तर। $7 \times 2 = 14$

यूनिट – 2

(क) 5 में से किन्हीं 3 पद्यों का सरलार्थ। $3 \times 3 = 09$

(ख) दो पात्रों में से किसी एक का चरित्र चित्रण। $1 \times 5 = 05$

यूनिट – 3

(क) 8 में से किन्हीं 4 तद्धितान्त पदों में प्रकृति-प्रत्यय प्रदर्शन। $4 \times 1 = 04$

(ख) 8 में से किन्हीं 4 धातुओं के सन्नत अथवा णिजन्त रूप का प्रदर्शन $4 \times 1 = 04$

(ग) 6 में से किन्हीं 3 पदों में समास की पहचान तथा विग्रह प्रदर्शन। $3 \times 2 = 06$

यूनिट – 4

12 में किन्हीं 7 वाक्यों का संस्कृत में अनुवाद। $7 \times 2 = 14$

References:

1. संस्कृत व्यवहारसाहस्री – संस्कृतभारती प्रकाशन, दिल्ली।
2. वाल्मीकि रामायण, गीता प्रेस गोरखपुर।
3. प्रारम्भिक रचनानुवादकौमुदी, डॉ. कपिलदेव द्विवेदी, विश्वविद्यालय प्रकाशन, वाराणसी।
2. कृदन्तरूपमाला सृजन ज्ञा, ऐप उपलब्ध गुगल प्ले स्टोर।

SEMESTER - III
Economics

Name of Program	UG	Program Code	
Name of the Course	Macro Economics I	Course Code	26ECOM403DS01OD
Hours per Week	4	Credits	L T P 3 1 0
Maximum Marks	Total External Internal 100 70 30	Time of Examinations	3 Hours
Note: Examiner will set nine questions and the candidates will be required to attempt five questions in all. Question number one will be compulsory containing short answer type questions from all units. Further, examiner will set two questions from each unit and the candidates will be required to attempt one question from each Unit. All questions will carry equal marks.			
Course Learning Outcomes (CLO): CLO1: Knowledge about nature, scope, and significance of macroeconomics is enhanced. CLO2: Students are able to understand theories of Investment. CLO3: Students are able to understand Classical and Keynesian theories of Income and Employment.			
Unit 1: Introduction: Nature and Scope of Macro Economics, Difference between Micro and Macro Economics and Macro Economics issues in an economy. National Income: Concepts, Measurement and its difficulties, Circular flow of income in two, three and four sector economy.			
Unit 2: Consumption: Consumption Function, Technical Attributes of Consumption, Keynesian Psychological Law of Consumption and its Implications. Income – Consumption Relationship: Absolute and Relative Income Hypothesis and Permanent Income Hypothesis.			
Unit 3: Investment Function: Types of Investment, Determination of level of Investment, Marginal Efficiency of Capital (MEC). National Income Determination : Two, Three, & four sector economy.			
Unit 4: Theories of Income and Employment determination: Classical theory of Income and Employment determination, Keynes objections to Classical Theory, Keynesian Theory of Income and Employment determination.			
References: <ul style="list-style-type: none"> ➤ Shapiro, E. (1996). <i>Macroeconomics: Analysis</i>. Galgotia Publications. ➤ Stiglitz, J. E., & Walsh, C. E. (2002). <i>Principles of macroeconomics</i>. W.W. Norton & Company. ➤ Samuelson, P. A., & Nordhaus, W. D. (2005). <i>Economics</i> (18th ed.). Tata Hill Publishing. ➤ Mankiw, N. G. (2007). <i>Principles of economics</i>. Thomson Learning. ➤ Lipsey, R. G., & Chrystal, K. A. (2007). <i>Economics</i>. Oxford University Press. 			

SEMESTER – III

Mathematics

Name of Program	B.A./B.Sc.	Program Code	UMPS4
Name of the Course	Ordinary Differential Equations	Course Code	26MATM403DS01OD
Hours per Week	5	Credits	4
Maximum Marks	100 (75 Theory (50 External + 25 Internal) + 25 Practical)	Time of Examinations	3 Hours
Course Learning Outcomes (CLO)			Mapped PLOs
CLO1 – Solve first-order, first-degree ODEs using multiple methods.			PLO2, PLO3
CLO2 – Identify and solve exact, homogeneous and linear differential equations.			PLO2, PLO3
CLO3 – Apply concepts of Clairaut's form, orthogonal trajectories, and envelopes.			PLO3, PLO5
CLO4 – Solve linear differential equations with constant coefficients and homogeneous linear equations.			PLO2, PLO3
CLO5 – Use variation of parameters to solve second-order linear ODEs.			PLO2, PLO5
Note:			
Examiner will set nine questions and the candidates will be required to attempt five questions in all. Question no. 1 will be compulsory containing four short answer type questions from all sections. Further, examiner will set two questions from each section and the candidates will be required to attempt one question from each Section. All questions will carry equal marks.			
<i>Section – I</i>			
Geometrical meaning of a differential equation. Exact differential equations. Integrating factors. First order higher degree equations solvable for x,y,p. Lagrange's equations, Clairaut's equations. Equation reducible to Clairaut's form. Singular solutions.			
<i>Section – II</i>			
Orthogonal trajectories: Cartesian coordinates and polar coordinates. Self-orthogonal family of curves. Linear ordinary differential equations with constant coefficients. Homogeneous linear ordinary differential equations. Equations reducible to homogeneous.			

Section - III

Linear differential equations of second order: Reduction to normal form. Transformation of the equation by changing the dependent variable/the independent variable. Solution by operators of non-homogeneous linear differential equations. Reduction of order of a differential equation. Method of variations of parameters. Method of undetermined coefficients.

Section – IV

Ordinary simultaneous differential equations. Solution of simultaneous differential equations involving operators x (d/dx) or t (d/dt) etc. Simultaneous equation of the form $dx/P = dy/Q = dz/R$.

Total differential equations. Condition for $Pdx + Qdy + Rdz = 0$ to be exact. General method of solving $Pdx + Qdy + Rdz = 0$ by taking one variable constant. Method of auxiliary equations

Practical/ Computational Work

(Based on course Functions and Algebra)

Max. Marks : 25

i) Written Practical/ Lab work : 10 Marks

ii) Viva-voce and practical record: 15 Marks

Time : 3 Hours

There will be five questions in all, and the students must attempt any three questions. The question paper will set on the spot jointly by the internal and external examiners.

Distribution of Marks will be as follows:

Marks for Question Paper:	10
Marks for Practical Record Book:	05
Marks for Viva-Voce:	10
Total:	25

List of Practicals

Use of computer algebra systems (CAS) MATLAB for developing the following programs:

1. Plotting of solutions of first order differential equation.
2. Plotting of solutions of family of second order differential equation.
3. Plotting of solutions of family of third order differential equation.
4. Solution of differential equation by variation of parameter method.
5. Solution of system of ordinary differential equations.
6. Solving exact and non-exact ODEs.

7. Solution of linear equations.
8. Problems on equations reducible to linear equations.
9. Plotting of orthogonal trajectories.
10. Population growth and finding the current at a given time.

II. Applications of ODEs.

References:

1. Belinda Barnes and Glenn R. Fulford (2009). Mathematical modeling with case Studies, A Differential equation Approach using Maple and Matlab (2nd Edition). Taylor and Francis group, London and New York.
2. C.H. Edwards and D.E. Penny (2005). Differential equations and Boundary value problems Computing and Modeling. Person Education India.
3. Martha L Abell, James P Braselton (2004). Differential equations with Mathematica (3rd edition). Elsevier Academic Press.
4. B. Rai & D.P. Chaudhary: Ordinary Differential Equations, Narosa, Publishing House Pvt. Ltd.
5. D.A. Murray (1967). Introductory Course in Differential Equations. Orient Longaman (India).
6. A.R.Forsyth (1948). A Treatise on Differential Equations (6th Edition). Machmillan and Co. Ltd. London.
7. E.A. Codington (1989). An Introduction to Ordinary Differential Equations. Dover Publications, New York.
8. S.L.Ross (1984). Differential Equations (3rd Edition). John Wiley and Sons.
9. Frank Ayres (1972). Theory and Problems of Differential Equations, McGraw Hill Book Company.

SEMESTER III
Public Administration

Name of Program	Public Administration	Program Code	USPUB4
Name of the Course	Basics of Indian Administration-I	Course Code	26PUBM403DS01OD
Hours per Week	04	Credits	4
Maximum Marks	Theory Internal 70 30	Time of Examinations	3 Hours
Note: Examiner will set nine questions and the candidates will be required to attempt five questions in all. Question number one will be compulsory containing short answer type questions from all units. Further, examiner will set two questions from each unit and the candidates will be required to attempt one question from each Unit. All questions will carry equal marks.			
Course Learning Outcomes (CLO): CLO 1: Students would be able to get knowledge about administration in Mauryan, Mughal and British Period & their impact on Indian Administration. CLO-2. They would get knowledge about the operational working of Political Executive At Union level. CLO-3. Students would get understanding about the organization & functions of various ministries. CLO-4. Develop awareness among the students about the various Commissions			
Unit 1: Evolution of Indian Administration: Contribution of Mauryan, Mughal and British Administration in its evolution, salient features of Indian Administration, Federal & Unitary aspects of Indian Administration, Impact of British Administration on Indian Administration.			
Unit 2: Political Executive at Union level: President: Election Procedure, powers and Functions, Emergency powers of Indian President and their Impact on Indian citizens, Prime Minister: Powers and Functions, Council of Ministers: Organizations and Functions.			
Unit 3: Ministries at Central Level: Organizations and Functions of Ministry of Human Resource			

development , Ministry of Foreign Affairs, Ministry of Rural Development, Prime Minister Office(PMO): Organization and Functions.

Unit 4:

Organization and Functions: NITI Aayog, Election Commission, National Human Rights Commission and National Women Rights Commission.

Suggested Readings:

- Mohit Bhattacharya, Asit Basu, Indian Administration-,The world press private limited, Kolkata, 2024.
- Rajender Prasad, Meena, Bhart Mein Rajya Prashashan, Rajasthan Hindi Granth Academy, Jaipur, 2020.
- R.K. Saprú, Indian Administration, Sage Publication Pvt. Ltd., New Delhi. 2018.
- B.L. Fadia & K. Fadia, Indian Administration, Sahitya Bhawan Publication, Agra, 2017.
- Avasthi & Avasthi, Indian Administration, L.N. Aggarwal Publications, Agra, 2017.
- Bidyut Chakrabarty, Indian Administration, Sage Publication Pvt. Ltd., New Delhi, 2016.
- Abrar, R., Indian Public Administration, Wisdom Press, New Delhi, 2016.
- Goyal, Vijay Kumar and B.K. Garg, Rural Development Administration, New Delhi: Alfa Publications, 2013.
- Gupta, Jawahar Lal, Indian Administration: Evolution & Development, Wisdom Press, New Delhi, 2013.
- R.K. Arora, Indian Public Administration: Institutions and Issues, New Age International Publishers, New Delhi, 2012 (3rd edition).
- Hoshiyar Singh, Indian Administration Pearson, London, 2011.
- Vishnu Bhagwan, Vidya Bhushan, Indian Administration, S. Chand, New Delhi, 2011.
- Sharma, P.D., & Sharma, B.M., Indian Administration: Retrospect and Prospect, Rawat Publication, Jaipur, 2009.
- Chahar, S.S., District Administration in Era of Globalization, Concept Publication, New Delhi, 2009
- S.C. Mehta, Bhartiya Prashashan, HRDM Publication, New Delhi, 2007.
- Prasad, Kamala, Indian Administration, Politics, Policies and Prospects, New Delhi, Pearson Longman, 2006.
- Chaubey, P.K., Urban Local Bodies in India: Governance with Self-Reliance, New Delhi, IIPA, 2004.
- Maheshwari, S.R., Indian Administration, New Delhi, Orient Longman, 2000.

SEMESTER - III
Political Science

Name of Program	UG Multidisciplinary with Hons.	Program Code	
Name of the Course	Principles of Political Science-I	Course Code	26POLM403DS01OD
Hours per Week	4	Credits	4
Maximum Marks	100 Internal : 30 External : 70	Time of Examinations	3 Hours

Note:

Examiner will set nine questions and the candidates will be required to attempt five questions in all. Question number one will be compulsory containing short answer type questions from all units. Further, examiner will set two questions from each unit and the candidates will be required to attempt one question from each Unit. All questions will carry equal marks.

Course Learning Outcomes (CLO):

CLO1: The objective of this course is to make familiarize the graduate students with certain key concepts for analyzing politics and the core theoretical issues.

CLO2: This Course intends to present the students with a map of the field of political theory and develop argumentative skills.

CLO3: This Course has been designed to provide students a details knowledge on the key concepts of liberty, equality, justice, rights, power, state, sovereignty.

Unit 1:

Political Science: Definition, Meaning, Nature and Scope. Relations of Political Science with other Social Sciences.

Unit 2:

State: Definition, Elements, Relations with the other organizations. Theories of the Origin of the State.

Unit 3:

Nature of State: Liberal, Marxian.

Functions of State: Liberal and Socialist Views. Welfare State: Concept and Functions.

Unit 4:

Sovereignty: Definition, Attributes and Types. Theories of Sovereignty: Monistic and Pluralistic.

References:

- 1** The Dynamics of Diplomacy, Jean Robert Leguey- Feilleux, Published by (VIVA)Vinod Vasishtha for viva Books Private Ltd., 4732/23 Ansari Road, New Delhi- 110002, Printed by Anand Sons, Delhi-100092, First Edition-2010.
- 2** The game of Diplomacy- Richard Sharp, Published in Great Britain by ArthurBarker Ltd. London, 1928
- 3** Diplomacy for the 21st Century, Naunihal Singh, Naurang Rai Mittal Publications (New Delhi) First Edition- 2002.
- 4** Conduct of the New Diplomacy: James H. Cannon, Harper & Row, New York, Evanston and London, Copyright-1964.
- 5** Modern Diplomacy: Principles and Dimensions, G.V.G Krishnanmurthy, Marinder Sagar, Sagar Publications, New Delhi-110001, 1980.
- 6** Theory and Practice of Diplomacy: Harish Chander Sharma, College Book Depot, Jaipur, New Delhi.

SEMESTER - III**History**

Name of the Program	Under Graduate Multidisciplinary with Hons. in One Major Discipline	Program Code	UMBA4
Name of the Course	Modern History of India	Course Code	26HISM403DS01OD
Hours per week	5	Course Credits	4
Max. Marks	100 {External (term-end exam) – 70} (Internal – 30)	Time of Examination	3 Hours

Note: Examiner will set nine questions and the candidates will be required to attempt five questions in all. Question number one will be compulsory containing short answer type questions from all units. Further, examiner will set two questions from each unit and the candidates will be required to attempt one question from each Unit. All questions will carry equal marks.

Course Learning Outcomes (CLO):

1. Students will be able to get the basic knowledge of the concept of Modern India.
2. Students will be able to understand 18th century debate.
3. Students will be able to get basic knowledge of the political condition of India on the eve of 17th century.
4. Students will be able to understand the rise of British power in India.

Unit – I

1. Decline of Mughal Empire and the rise of successor states; Advent of European Powers.
2. British Conquest : Bengal, Mysore, Marathas, Awadh, Sind and Punjab
3. 18th Century in Indian History: Society and Economy.

Unit – II

1. British Administration, Economic and Foreign Policies
2. Social and Economic Impacts and Cultural Renaissance
3. Early resistance and Revolt of 1857

Unit – III

1. Emergence of National Movement; Revolutionary
2. National Freedom Movement (1885-1947)
3. Emergence of Communal Politics and Constitutional Development

Unit – IV**Maps:**

1. India during 1764
2. Important places of 1857 Revolt
3. Centres of socio-religious movements
4. Important places of Revolutionary Movements.
5. Places associated with significant sessions of Indian National Congress

References:

- Bandyopadhyay, Sekhar, Palassi se Vibhajan Tak aur Uske Baad : Adhunik Bharat Ka Itihas, New Delhi, 2007
- Bayly, C. A., Indian Society and the Making of the British Empire (New Cambridge History of India), London 1990
- Chakravarty, Suhash, The Raj Syndrome: A Study in Imperial Perceptions, 1989
- Chandra, Bipan, Rise and Growth of Economic Nationalism in India, New Delhi, 2010
- Chandra, Bipan, Adhunik Bharat ka Itihas, New Delhi, 2009
- Chandra, Bipan, Bharat ka Swatantrata Sangharsh, New Delhi, 1998
- Desai, A. R., Bhartiya Rashtravad ki Samajik Prishthabhumii, New Delhi, 1967
- Eric Stokes, The English Utilitarians and India, New Delhi, 1989
- Grewal, J. S., The Sikhs of the Punjab, New Cambridge History of India, New Delhi, 1998
- Kashyap, Subhash, Swatantrata Andolan ka Itihas, New Delhi, 1997
- Kumar, Dharma and Tapan Raychaudhuri, The Cambridge Economic History of India, Vol. II., New York, 1983
- Majumdar, R. C., British Paramountcy and Indian Renaissance, New Delhi, 1965
- Majumdar, R. C., History and Culture of Indian People, Vols. IX and X, New Delhi, 2007
- Marshall, P. J., Bengal: The British Bridgehead, New Cambridge History of India : Eastern India 1740–1828, London, 1988
- Menon, D. M., Adhunik Bharat ka Sanskritik Itihas, New Delhi, 2015
- Ray, Satya M., Bharat mein Upniveshwad aur Rashtravad, New Delhi, 1986
- Sabyasachi, Bhattacharya, Rethinking 1857, New Delhi, 2007
- Sarkar, Sumit, Adhunik Bharat, New Delhi, 1999
- Sharma, Ramvilas, Swadhinata Sangram ke Badalte Paripeksh, New Delhi, 1995
- Spear, Percival, Oxford History of India, New Delhi, 1974
- Stokes, Eric, Peasant and the Raj, New Delhi, 1975
- Subramanian, Lakshmi, Bharat ka Itihas: 1707 se 1857 tak, New Delhi, 2013
- Subramanian, Lakshmi, History of India 1707–1857, New Delhi, 2010
- Sukla, R. L., Adhunik Bharat ka Itihas, New Delhi, 1990
- Tara Chand, History of the Freedom Movement in India, Vol. 1 to 4, New Delhi, 1961
- Verma, H. C., Madhya Kaleen Bharat, (1540-1761), Vol.2, New Delhi, 2002

Note: In addition, students are advised to consult the current Research Journal of History.

B1) MINOR COURSES**SEMESTER - III**

English

Name of Program		Program Code	
Name of the Course	English Prose and Poetry-II	Course Code	26ENG402MI01OD
Hours per Week	04	Credits	04 (L- 4-T- 0-P- 0)
Maximum Marks	70+30=100	Time of Examination	3 Hours

Note:

Question No 1 Students shall be required to attempt any four out of the given six selecting at least one from each unit.

Questions 2, 3 and 5 shall be essay type Questions from Unit 1, 2 and 4 with internal Choice.

Questions 4 shall be do as directed (any 14 out of given 20) from Unit 3.

Course Learning Outcomes (CLO):

CLO 1 Appreciate various aspects of Prose and Poetry

CLO 2. Ability to appreciate polemics

CLO 3. Comprehend different forms and techniques of short fiction

Unit 1:**Prose**

1. Speeches at the World's Parliament of Religions/ *Swami Vivekanand*
2. The Function of Education/ *Jiddu Krishnamurty*
3. The Gold Frame / *R. K. Laxman*
4. How I became a Public Speaker/ *G.B.Shaw*

Unit 2:**Poetry**

1. The World is Too Much with Us / *William Wordsworth*
2. On His Blindness/ *John Milton*
3. Stopping by Woods on a Snowy Evening/ *Robert Frost*

4. Ode on Solitude/ *Alexander Pope*

Unit 3:**Grammar**

Subject-Verb Agreement

Voice

Narration

Unit 4:

1. Social and Official Correspondence
2. Enquiries, Complaints and Replies
3. Letter Writing, Standard Business Letter, Email Drafting and Etiquettes
4. Social Appeals in the Form of Letters and Pamphlets

References:

High School English Grammar and Composition. Wren and Martin

A Remedial English Grammar for Foreign Students. F.T. Wood

A Novel Beginning. Board of Editors. Urmila Dabir et al. Orient Blackswan

Emanating Voices. Board of Editors. Ajiet Ravikant Jachak et al. Orient Blackswan.

Unheard Melodies. Board of Editors. Dr Kishan. V. Mehare et al. Orient Blackswan.

Pathmaker: A Textbook for College Students. Board of Editors. Dr. Shriram Gahane et al. Orient Blackswan.

New Horizons. Board of Editors. Prof. Rajinder et al. Orient Blackswan.

Igniting Minds. Board of Editors. Inderjeet K Orke et al. Orient Blackswan.

Magnificence. Board of Editors. Orient Blackswan

From Elizabethan Age to the Restoration. Board of Editors. Orient Blackswan.

Exploring New Horizons. Board of Editors. Orient Blackswan.

SEMESTER - III

Hindi

Name of Program	Not to be filled	Program Code	Not to be filled
Name of the Course	हिन्दी का वैश्विक परिदृश्य	Course Code	26HND402MI01OD
Hours per Week	04	Credits	04
Maximum Marks	100	Time of Examinations	03 Hours

Note:

Examiner will set nine questions and the candidates will be required to attempt five questions in all. Question number one will be compulsory containing short answer type questions from all units. Further, examiner will set two questions from each unit and the candidates will be required to attempt one question from each Unit. All questions will carry equal marks.

Course Learning Outcomes (CLO):

- भाषा के शुद्ध उच्चारण, रचनात्मक लेखन, औपचारिक लेखन तथा तकनीकी शब्दों से विद्यार्थी अवगत हो सकेगा
- स्नातक स्तर के विद्यार्थी को भाषायी सम्प्रेषण की समझ और संभाषण से सम्बन्धित विभिन्न पक्षों से अवगत हो सकेगा
- वार्तालाप भाषण संवाद समूह चर्चा, अनुवाद के माध्यम से विद्यार्थी में अभिव्यक्ति कौशल का विकास हो सकेगा
- समूह चर्चा, परियोजना के द्वारा विद्यार्थी में आलोचनात्मक क्षमता का विकास हो सकेगा

Unit 1: विश्व में बोली जाने वाली किन्हीं दो भाषाओं का संक्षिप्त परिचय: मंदारिन, अंग्रेजी, हिन्दी, स्पेनिश, रूसी, जापानी

वैश्विक स्तर पर हिन्दी का स्थान (संक्षिप्त परिचय)

हिन्दी का अंतरराष्ट्रीय स्वरूप (मॉरीशस, सूरीनाम फीजी में हिन्दी)

<p>Unit 2: संयुक्त राष्ट्र संघ में हिन्दी का प्रयोग</p> <p>हिन्दी के विकास में विश्व हिन्दी सम्मलेन की भूमिका</p> <p>विश्व हिन्दी दिवस (संक्षिप्त परिचय)</p>
<p>Unit 3: किसी एक विश्व हिन्दी सम्मलेन की रिपोर्ट प्रस्तुति</p> <p>संयुक्त राष्ट्र संघ में हिन्दी के प्रयोग पर अनुच्छेद लेखन</p> <p>विश्व हिन्दी दिवस के मौके पर विज्ञापन के प्रारूप का निर्माण</p>
<p>Unit 4: विदेशों में हिन्दी भाषा की प्रमुख लोकप्रिय पुस्तकों की सूची बनाना</p> <p>विदेशों में हिन्दी की प्रमुख लोकप्रिय फिल्मों, गीत, संकलन</p> <p>वैश्विक स्तर पर हिन्दी की संभावनाएँ, समूह चर्चा पर रिपोर्ट प्रस्तुति</p>
<ul style="list-style-type: none"> ● References: हिन्दी भाषा की पहचान से प्रतिष्ठा तक (डॉ. हनुमानप्रसाद शुक्ल) लोकभारती प्रकाशन संस्करण 1994 ● हिन्दी भाषा (हरदेव बाहरी) अभिव्यक्ति प्रकाशन, दिल्ली ● प्रयोजनमूलक हिन्दी (सिद्धांत और प्रयोग) दंगल झालदे, वाणी प्रकाशन, दिल्ली संस्करण 2010 ● मानक हिन्दी का स्वरूप (भोलानाथ तिवारी) प्रभात प्रकाशन, दिल्ली संस्करण 2008 ● रचनात्मक लेखन (सं रमेश गौतम) भारतीय ज्ञानपीठ, दिल्ली संस्करण 2016 ● भारतीय भाषा चिंतन की पीठिका (विद्यानिवास मित्र) बिहार राष्ट्रभाषा परिषद् संस्करण 1978

SEMESTER - III

Mathematics

Name of Program		Program Code	
Name of the Course	BUSINESS MATHEMATICS	Course Code	26MAT402MI01OD
Hours per Week	04 Hours	Credits	04 Credits
Maximum Marks	100 {External (term-end exam) – 70} (Internal – 30)	Time of Examinations	03 Hours

Note:

Examiner will set nine questions and the candidates will be required to attempt five questions in all. Question number one will be compulsory containing four short answer type questions from all sections. Further, examiner will set two questions from each section and the candidates will be required to attempt one question from each Section. All questions will carry equal marks.

Course Learning Outcomes (CLO):

CLO1 Solve many LPP using graphs.

CLO2 Use methods of LPP to solve many problems related to transportation, maximization and minimization etc.

CLO3 Obtain compound interest with different types of interest rates.

CLO4 Understand the problems related to annuities.

Section – I

Linear Programming-Formulation of LPP: Graphical method of solution; Problems relating to two variables including the case of mixed constraints; Cases having no solution, multiple solutions, unbounded solution and redundant constraints.

Section – II

Simplex Method—Solution of problems up to three variables, including cases of mixed constraints; Duality; Transportation Problem.

Section – III

Compound Interest: Certain different types of interest rates; Concept of present value and amount of a sum.

Section – IV

Annuities: Types of annuities; Present value and amount of an annuity, including the case of continuous compounding; Valuation of simple loans and debentures; Problems relation to sinking funds.

References:

1. Allen R.G.D: Basic Mathematics; Mcmillan, New Delhi, 1971.
2. Volra. N. D. Quantitative Techniques in Management, Tata McGraw Hill, New Delhi, 1990.
3. Kapoor V.K. Business Mathematics: Sultan chand and sons, Delhi, 1985.

SEMESTER - III**Sanskrit**

Name of Program	Not to be filled	Program Code	Not to be filled
Name of the Course	संस्कृत – 2	Course Code	26SKT402MI01OD
Hours per Week	4	Credits	4
Maximum Marks	100	Time of Examinations	3 Hours

Note:

Examiner will set nine questions and the candidates will be required to attempt five questions in all. Question number one will be compulsory containing short answer type questions from all units. Further, examiner will set two questions from each unit and the candidates will be required to attempt one question from each Unit. All questions will carry equal marks.

Course Learning Outcomes (CLO):

CLO 1: The students will be able to gain basic understanding of Sanskrit poetry.

CLO 2: The students will be able to gain basic understanding of Sanskrit prose.

CLO 3: The students will be able to gain understanding of Sanskrit nouns.

CLO 4: The students will be able to gain understanding of Sanskrit verbs.

CLO 5: The students will be able to make simple translation from Hindi to Sanskrit.

CLO 6: The students will be able to understand various types of Sanskrit Sandhi.

Unit 1:

संस्कृत चयनिका, कुरुक्षेत्र विश्वविद्यालय प्रकाशन – पद्यभाग – 7-12 पाठ

Unit 2:

संस्कृत चयनिका, कुरुक्षेत्र विश्वविद्यालय प्रकाशन – गद्यभाग – 11 - 18 पाठ

Unit 3:

शब्दरूपाणि – राजन्, विद्वस्, अस्मद्, युष्मद्, तद्, इदम् (तीनों लिङ्गों में)

धातुरूपाणि – लभ्, दा (यच्छ), कृ, भृ, चर्, (लट्, लृट्, लोट्, लङ्, विधिलिङ्ग लकारों में)

Unit 4:

सन्धि – व्यंजन सन्धि, विसर्ग सन्धि, परिभाषा रहित, प्रयोग मात्र

अनुवाद – सरल हिन्दी वाक्यों का संस्कृत में अनुवाद

References:

1. Sanskrit Chayanika, Kurukshetra Vishvavidyalaya Prakashan.
2. Misha, Dr. Yadunandan, Anuvada Chandrika, Chaukhambha Orientaliya, Delhi, 2021.
3. Apte, Vaman Shivram, Studetns Guide to Sanskrit Composition, The Standard Publishing Company, Girgaon, Bombay, 1925.
4. Tripathi, Dr. Brahmananda, Rupa Chandrika, Chaukhamba Surbharati Prakashan, Varanasi, 2008.
5. Kridanta Rupa Mala-Srijan Jha-App. Available on Google Play Store.
6. Dwivedi Kapil Dev: Prarambhik Rachnanuvadakaumudi Vishvavidyalaya Prakashan, Varanasi, UP, 2019.

SEMESTER - II

Economics

Name of Program	UG	Program Code	
Name of the Course	Indian Economic Policy	Course Code	26ECO402MI01OD
Hours per Week	4	Credits	4
Maximum Marks	Total Theory Internal 100 70 30	Time of Examinations	3

Note:

Examiner will set nine questions and the candidates will be required to attempt five questions in all. Question number one will be compulsory containing short answer type questions from all units. Further, examiner will set two questions from each unit and the candidates will be required to attempt one question from each Unit. All questions will carry equal marks.

Course Learning Outcomes (CLO):

CLO 1: Students have a basic understanding of Indian economy

CLO 2: Students are aware of the current challenges faced by Indian economy

CLO 3: Students is able to Enhance knowledge about the key reforms undertaking from time of time

Unit 1:

Introduction to Indian Economy – Basic characteristics and features of Indian economy. Economic Planning in India: Features, Objectives and Assessment of Indian Planning. (Plan wise details to be excluded).

Unit 2:

Demographic features of Indian Economy. 1991 Economic Reforms – Liberalization, Globalization, Privatization.

Unit 3:

Poverty and unemployment in India. Programmes for eradication of poverty and unemployment with special reference to the post – reform era.

Unit 4:

Agriculture: Features of Indian Agriculture. Impact of Green Revolution on Indian Agriculture. Recent Trends in Agricultural Development - Causes of Deceleration and Future Challenges.

References:

- Brahmananda, P.R. and Panchmukhi : The Development Process of Indian Economy, Himalaya Publishing House, New Delhi. Latest Edition
- S.K.Mishra, V.K. Puri : Indian Economy : Its Development Experience, Himalaya Publishing House, New Delhi (Latest Edition)
- Economic Survey: Government of India. Latest Issue. □ Economic and Political Weekly: Various Issues □ A.N. Aggarwal : Indian Economy, V.K. Publications.

SEMESTER - III
Public Administration

Name of Program	Public Administration	Program Code	UMBA4
Name of the Course	Central Administration in India	Course Code	26PUB402MI01OD
Hours per Week	04	Credits	4
Maximum Marks	Theory Internal 70 30	Time of Examinations	3 Hours
Note: Examiner will set nine questions and the candidates will be required to attempt five questions in all. Question number one will be compulsory containing short answer type questions from all units. Further, examiner will set two questions from each unit and the candidates will be required to attempt one question from each Unit. All questions will carry equal marks.			
Course Learning Outcomes (CLO): CLO 1: Students would be able to get knowledge about the Political Executive at Central Level. CLO-2. They would get knowledge about the operational working of the Staff Agencies operating at central level. CLO-3. Students would get understanding about the organization & functions Prime Minister and Lok Sabha Speaker Office CLO-4. Develop awareness among the students about the various Commissions.			
Unit 1: Federal & Unitary aspects of Indian Administration, Political Executive at Union Level: President & Vice President: Powers and Functions, Prime Minister: Powers and Functions.			
Unit 2: Council of Ministers: Organizations and Functions, Role of Central Secretariat, Cabinet and its Features & Functions, Role of Cabinet Secretariat..			
Unit 3: Prime Minister Office (PMO): Organization and Functions, Lok Sabha & Rajya Sabha Secretariat: Organization & Functions, Office of Lok Sabha Speaker: Organization & Functions			
Unit 4: Organization and Functions: NITI Aayog, Election Commission, National Human Rights Commission, Central Information Commission: Organisation & Functions, Union Public Service Commission (UPSC), Lokpal.			

Suggested Readings:

- Mohit Bhattacharya, Asit Basu, Indian Administration-,The world press private limited, Kolkata, 2024.
- Rajender Prasad, Meena, Bhart Mein Rajya Prashashan, Rajasthan Hindi Granth Academy, Jaipur, 2020.
- R.K. Saprui, Indian Administration, Sage Publication Pvt. Ltd., New Delhi. 2018.
- B.L. Fadia & K. Fadia, Indian Administration, Sahitya Bhawan Publication, Agra, 2017.
- Avasthi & Avasthi, Indian Administration, L.N. Aggarwal Publications, Agra, 2017.
- Bidyut Chakrabarty, Indian Administration, Sage Publication Pvt. Ltd., New Delhi, 2016.
- Abrar, R., Indian Public Administration, Wisdom Press, New Delhi, 2016.
- Goyal, Vijay Kumar and B.K. Garg, Rural Development Administration, New Delhi: Alfa Publications, 2013.
- Gupta, Jawahar Lal, Indian Administration: Evolution & Development, Wisdom Press, New Delhi, 2013.
- R.K. Arora, Indian Public Administration: Institutions and Issues, New Age International Publishers, New Delhi, 2012 (3rd edition).
- Hoshiyar Singh, Indian Administration Pearson, London, 2011.
- Vishnu Bhagwan, Vidya Bhushan, Indian Administration, S. Chand, New Delhi, 2011.
- Sharma, P.D., & Sharma, B.M., Indian Administration: Retrospect and Prospect, Rawat Publication, Jaipur, 2009.
- Chahar, S.S., District Administration in Era of Globalization, Concept Publication, New Delhi, 2009
- S.C. Mehta, Bhartiya Prashashan, HRDM Publication, New Delhi, 2007.
- Prasad, Kamala, Indian Administration, Politics, Policies and Prospects, New Delhi, Pearson Longman, 2006.
- Chaubey, P.K., Urban Local Bodies in India: Governance with Self-Reliance, New Delhi, IIPA, 2004.
- Maheshwari, S.R., Indian Administration, New Delhi, Orient Longman, 2000.

SEMESTER - III
Political Science

Name of Program		Program Code	
Name of the Course	Global Politics	Course Code	26POL402MI01OD
Hours per Week	4	Credits	4
Maximum Marks	100 External: 70 Internal : 30	Time of Examinations	3
Note: Examiner will set nine questions and the candidates will be required to attempt five questions in all. Question number one will be compulsory containing short answer type questions from all units. Further, examiner will set two questions from each unit and the candidates will be required to attempt one question from each Unit. All questions will carry equal marks.			
Course Learning Outcomes (CLO): CLO 1: To understand the changing nature of global politics in the contemporary world. CLO 2: To assess the impacts of the concepts like culture, environment, migration and security threats to human and their co-relations with the global politics. CLO 3: To understand the importance and impacts of various socio-political movements worldwide.			
Unit 1: Locating Global Politics: Changing Nature, Emerging Trends.			
Unit 2: a. Globalization to de-globalization, and post-globalization b. Geo-politics, Geo-economics, and Geo-strategy d. Cultural Frames of Global Politics			
Unit 3: Contemporary Global Issues <ul style="list-style-type: none"> a. Ecological Issues: Climate Change, and International Environmental Agreements b. Proliferation of Nuclear Weapons in Post- Cold War Era c. Global Terrorism and Its Impact d. Migration e. Human Security 			

Unit 4:

Global Social Movements:

- a. Environment Movements
- b. Women Movements
- c. Peace Movements

References:

Unit 1 Locating Global Politics

Hobson, J.M. (2004). *The Eastern origins of Western civilization* (pp. 1-26). Cambridge: Cambridge University Press.

Acharya, Amitav (2014), "Who Are the Norm Makers? The Asian-African Conference in Bandung and the Evolution of Norms" in Special Section on "Principles from the Periphery: The Neglected Southern Sources of Global Norms", *Global Governance*, 20 (3): 405- 417.

Hobson, J.M. (2020), "Globalization" in A. B. Tickner, & K. Smith (eds.), *International Relations from the Global South: Worlds of difference* (pp. 221-239). Routledge. Pieterse, Jan Nederveen (2017), "Oriental Globalization: Past and Present", in Delanty, Gerard (eds.), *Europe and Asia Beyond East and West*, New York: Routledge, pp. 61-73. Getachew, A. (2019), *Worldmaking after Empire: The rise and fall of self-determination* (pp. 1-13). Princeton: Princeton University Press.

Unit 2

Changing Nature of Global Politics

Globalization to de-globalization, and post-globalization

Essential readings:

Ritzer, G. (2010), *Globalization: A Basic Text*, West Sussex: Wiley-Blackwell, pp. 33-62.

Stager, M. (2009). *Globalization: A Very Short Introduction*, London: Oxford University Press, pp. 1-16.

Kornprobst, M. & Paul, T.V. (2021), "Globalization, deglobalization and the liberal international order", *International Affairs*, 97 (5): 1305-1316.

Flew, T. (2020). "Globalization, neo-globalization and post-globalization: The challenge of populism and the return of the national", *Global Media and Communication*, 16 (1): 19-39.

Held, D., & McGrew A. (2003), "The Great Globalization Debate: An introduction" in D. Held, & A. McGrew. (eds.), *Global Transformations Reader: Politics, Economics and Culture*. Cambridge: Polity Press, pp. 1-50.

Paul, T.V. (2021). "Globalization, deglobalization and reglobalization: Adapting liberal international

order". *International Affairs*, 97 (5): 1599-1620.

James, Harold (2017), "Deglobalization as a Global Challenge", Centre for International Governance Innovation (CIGI) Papers No. 135, URL:

https://www.cigionline.org/sites/default/files/documents/Paper%20no.135WEB_1.pdf

Geo-politics, Geo-economics, and Geo-strategy

Essential Readings:

Chaturvedi, S. (2012), "Geopolitics" in B.S. Chimni, & S. Mallavarapu (eds.), *International Relations: Perspectives for the Global South*, New Delhi: Pearson, pp: 149-166.

Wigell, Mikael et al. (2019) (eds.), *Geo-economics and Power Politics in the 21st Century: The Revival of Economic Statecraft*, London: Routledge, pp: 1-24.

Hobson, John M. (2021), *Multicultural Origins of the Global Economy: Beyond the WesternCentric Frontier*, Cambridge: Cambridge University Press, pp. 433-455.

Blouet, Brian W. (2005) (eds.), *Global Geostrategy: Mackinder and the defence of the West*, New York: Frank Cass, pp. 1-16; 137-141; 165-171.

Flint, C. (2022). *Introduction to Geopolitics (4th Edition)*, London: Routledge, pp: 1-44.

Dodds, K. (2019), *Geopolitics: A Very Short Introduction (3rd Edition)*, Oxford: Oxford University Press, pp. 1-14.

Luttwak, Edward N. (1998), "From Geopolitics to Geo-Economics: Logic of Conflict, Grammar of Commerce" in Tuathail, Gearoid O et al. (eds.), *The Geopolitics Reader*, London: Routledge, pp. 125-130.

Dorsman, Andre B et al. (2018) (eds.), *Energy economy, Finance and Geostrategy*, Cham (Switzerland): Springer, pp. 1-10.

Cultural Frames of Global Politics

Essential Readings:

Harshe, R. (2006), "Culture, Identity and International Relations", *Economic and Political Weekly*, 41(37), 3945–3951.

Lapid, Yosef (1996), "Culture's Ship: Returns and Departures in International Relations Theory", in Lapid, Yosef and Friedrich Kratochwil (eds.), *The Return of Culture and Identity in IR Theory*, London: Lynne Rienner Publishers, Inc., pp. 3-20.

Holton, Robert (2000), "Globalization's Cultural Consequences", *The Annals of the American Academy of Political and Social Science (ANNALS, AAPSS)*, 570: 140-152.

Gusterson, Hugh (2005), "The Seven Deadly Sins of Samuel Huntington", in Besteman, Catherine and Hugh Gusterson (eds.), *Why America's Top Pundits are Wrong*, Berkeley: University of California Press, pp. 24-42.

Chirico, JoAnn (2014), "Globalizing Culture: Change and Continuity", in Globalization: Prospects and Problems, Washington D.C.: Sage Publications, pp. 254-284.

Unit 3 Contemporary Global Issues

Ecological Issues: Climate Change, and International Environmental Agreements

Essential Readings:

Heywood, A. (2011), "Global Environmental Issues" in Global Politics, New York: Palgrave, pp. 383-411.

Volger, J. (2011), 'Environmental Issues', in J. Baylis, S. Smith and P. Owens (eds.), Globalization of World Politics, New York: Oxford University Press, pp. 348-362.

Kreienkamp, J. (2019), "The Long Road to Paris: The History of the Global Climate Change Regime", Global Governance Institute Policy Brief Series (pp. 1-24), London: University College.

https://www.ucl.ac.uk/global-governance/sites/globalgovernance/files/the_long_road_to_paris_the_history_of_the_global_climate_change_regime.pdf

Death, Carl (2019), 'Can We Save the Planet?', in Edkins, Jenny & Maja Zehfuss (eds.), Global Politics: A New Introduction (3rd edition), New York: Routledge, pp. 61-84.

Falkner, Robert (2012), "Global environmentalism and the greening of international society", International Affairs, 88 (3): 503-522.

Proliferation of Nuclear Weapons in Post- Cold War Era

Essential Readings:

D. Howlett (2011), "Nuclear Proliferation" in J. Baylis, S. Smith and P. Owens (eds.), The Globalization of World Politics: An Introduction to International Relations, New York: Oxford University Press, pp. 384-397.

Narang, Vipin (2017), "Strategies of Nuclear Proliferation: How States Pursue the Bomb", International Security, 41(3): 110-150.

Additional Readings:

Heywood, A. (2011), Nuclear Proliferation and Disarmament. In Global Politics, New York: Palgrave, pp. 263-281.

Chacko, Priya & Alexander E Davis (2018), "Resignifying 'responsibility': India, exceptionalism and nuclear non-proliferation", Asian Journal of Political Science, pp. 1-19. URL:

<https://doi.org/10.1080/02185377.2018.1486218>

Global Terrorism and Its Impact

Essential Readings:

Bajpai, K.P. (2012), "Terrorism" in B.S. Chimni and Siddharth Mallavarapu (eds.), Handbook on

International Relations: Essays from the Global South. New Delhi: Pearson Education, pp. 312-327.

Gerges, F.A. (2005), *The Far Enemy: Why Jihad Went Global*, Cambridge: Cambridge University Press, pp. 119-150.

Additional Readings:

Heywood, A. (2011), "Terrorism" in *Global Politics*, New York: Palgrave, pp. 282-302. Vanaik, A. (2007), *Masks of Empire*, New Delhi: Tulika, pp. 103-128. Hoffman, Bruce (2002), "Rethinking Terrorism and Counterterrorism Since 9/11", *Studies in Conflict and Terrorism*, 25 (5): 303-316.

Barber, Benjamin (2010), "On Terrorism and New Democratic Realism", in Ritzer, George & Zenep Atalay (eds.), *Readings in Globalization: Key Concepts and Major Debates*, West Sussex: Wiley-Blackwell, pp. 305-306.

Migration

Essential Readings:

Castells, S. (2012), "Global Migration" In B.S. Chimni, & S. Mallavarapu (eds.), *International Relations: Perspectives for the Global South*, New Delhi: Pearson India Education, pp. 272- 285.

Chirico, JoAnn (2014), "Transborder Threats to Human Well-Being: Inequality and Migration", in *Globalization: Prospects and Problems*, Washington D.C.: Sage Publications, pp. 368-382.

Additional Readings:

Aneesh, A. (2006), *Virtual Migration: The Programming of Globalization*, London: Duke University Press, pp. 67-99.

Ritzer, G. (2010), "Global Flows of People: Vagabonds and Tourists", in *Globalization: A Basic Text*, West Sussex: Wiley-Blackwell, pp. 297-321.

Moses, J. (2006), *International Migration: Globalization's Last Frontier*, London: Zed Books, pp. 1-17. e.

Human Security

Essential Readings:

Acharya, Amitav (2014), "Human Security" in Baylis, J. et al. (eds.), *The Globalization of World Politics: An Introduction to International Relations* (6th edition), Oxford: Oxford University Press, pp. 448-462. 13

Tadjbakhsh, S. & Chenoy, Anuradha (2007), *Human Security*, London: Routledge, pp. 13-19; 123-127; 236-243.

Acharya, Amitav (2001), "Human Security: East versus West", *International Journal*, 56 (3): 442-460.

Cook, Alistair D.B. (2017), "Non-traditional Security and World Politics", in Beeson, Mark & Nick Bisley (eds.), *Issues in 21st Century World Politics* (3rd edition), New York: PalgraveMacmillan, pp.

38-51.

UNDP (1994), "Human Development Report: New Dimensions of Human Security",
<https://www.hdr.undp.org/en/content/human-development-report-1994>.

Unit 4 Global Social Movements

Essential Readings:

Fominaya, C. (2014), Social Movements and Globalization- How Protests, Occupation and Uprisings are Changing the World (Chapter 3), pp: 27-49, New York: Palgrave Macmillan.

Guidry, John A. et al. (2000) (eds.), Globalizations and Social Movements: Culture, Power, and the Transnational Public Sphere, Ann Arbor: University of Michigan Press, pp. 1-32.

Eschle, Catherine & Neil Stammers (2004), "Taking Part: Social Movements, INGOs, and Global Change", *Alternatives*, 29 (3): 333-372.

Additional Readings:

Moola, Sarifa (2004), "Contemporary Activism: Shifting Movements, Changing Actors", *Agenda: Empowering Women for Gender Equity*, 60: 39-46.

Maiba, Hermann (2005), "Grassroots Transnational Social Movement Activism: The Case of Peoples' Global Action", *Sociological Focus*: 38 (1): 41-63.

Laxer, Gordon & Sandra Halperin (2003) (eds.), *Global Civil Society and Its Limits*, New York: Palgrave Macmillan, pp: 1-21.

Tickner, Arlene B. & Karen Smith (2020) (eds.), *International Relations from the Global South: Worlds of Difference*, New York: Routledge.

Acharya, A. (2018), *Constructing Global Order: Agency and Change in World Politics*, Cambridge: Cambridge University Press.

Lechner, Frank J. & John Boli (2015) (eds.), *The Globalization Reader* (5th edition), Oxford: Wiley Blackwell.

Schaeffer, Robert K. (2021), *After Globalization: Crisis and Disintegration*, New York: Routledge.

Stiglitz, Joseph E. (2018), *Globalization and Its Discontents Revisited: Anti- Globalization in the Era of Trump*, New York: W.W. Norton & Company. Stuenkel, Oliver (2016), *Post Western World: How Emerging Powers are Remaking Global Order*, Cambridge: Polity.

Chari, Chandra (2008) (eds.), *War, Peace and Hegemony in a Globalized World: The Changing Balance of Power in the Twenty-first Century*, New York: Routledge.

SEMESTER - III

History

Name of the Program	Under Graduate Single Major Programme	Program Code	USHIS4
Name of the Course	<u>Environmental History of India</u>	Course Code	26HIS402MI01OD
Hours per week	4	Course Credits	4
Max. Marks	100 {External (term-end exam) – 70} (Internal – 30)	Time of Examination	3 Hours
Note: Examiner will set nine questions and the candidates will be required to attempt five questions in all. Question number one will be compulsory containing short answer type questions from all units. Further, examiner will set two questions from each unit and the candidates will be required to attempt one question from each Unit. All questions will carry equal marks.			
Course Learning Outcomes (CLO): <ol style="list-style-type: none"> 1. Students will be able to get the knowledge of Environmental History. 2. Students will be able to understand the impacts of Environment on History. 3. Students will be able to get basic knowledge of Physical Changes in the Environment over the time period. 4. Students will be able to effectively understand the relevance of Environment for Society. 			
Unit - I			
<ol style="list-style-type: none"> 1. Environmental History: Meaning and Scope 2. Importance and Sources 3. Historiography 4. Emergences of Environmental History as a branch of History 			
Unit – II			
<ol style="list-style-type: none"> 1. The History of Ecology and Environment 2. Geographical background of the Indian Subcontinent 3. Physical Changes during the Pleistocene 4. Environment: The Evolution and Diffusion of Human Species 			

Unit – III
<ol style="list-style-type: none"> 1. Climate and Harappan Civilization 2. Environment: Religion and Society 3. The Physical Environment 4. Forest and Wild Life
Unit – IV
<ol style="list-style-type: none"> 1. Environment: Colonialism 2. Environment: Population, Famine, Disease and Disaster 3. Degradation of Land 4. Assault on Wildlife

References:

- Agrawal, Arun, Environmentalism: Technologies of Government and the making of subjects. New Delhi, 2006
- Cederlof, Gunnar and K. Sivaramakrishnan, Ecological Nationalisms: Nature, Livelihoods and Identified in South Asia, New Delhi, 2005
- Chakrabarti, Ranjan, Situating Environmental History, New Delhi, 2007
- David Arnold and Ramachandra Guha, Nature, Culture, Imperialism: Essays on the Environmental History of South Asia, New Delhi, 2003
- David, Arnold, The Tropics and the Travelling Gaze: India, Landscape, and Science, 1800-1856, New Delhi, 2005
- Gadgil, Madhav and Ramachandra Guha, Ecology and Equity: The use and abuse of nature in contemporary India, New Delhi, 1995
- Gadgil, Madhav and Ramachandra Guha, This Fissured Land: An Ecological History of India. New Delhi, 1993
- Guha, Sumit, Environment and Ethnicity in India, 1200-1991, Cambridge, 1999
- Keith, Jenkins, Re-thinking History, London 2003
- Mahesh, Rangarajan, Fencing the Forests: Conservation and Ecological change in India's Central provinces, 1860-1914, New Delhi, 1996
- Mahesh, Rangarajan, India's Wildlife History, New Delhi, 2001
- Nandini, Sundar, Subalterns and Sovereigns: An Anthropological History of Bastar, 1854-2006, New Delhi, 2007
- Patil, R. B. and S. N. Pawar, Environmental Movements in India, New Delhi, 2005
- Saberwal, Vasant K., Pastoral Politics: Shepherds, Bureaucrats, and Conservation in the Western Himalaya, New Delhi, 1999
- Sangwan, Satpal, Nature and the Orient: Essays on the Environmental History of South and South East Asia, New Delhi 2000
- Sivaramakrishnan K., Modern Forests: State making and Environmental Change in Colonial Eastern India, New Delhi, 1999
- Skariya, Ajay, Hybrid Histories: Forests, Frontiers and Wilderness in Western India, New Delhi, 1999

Note: In addition, students are advised to consult the current Research Journal of History.

B2) SKILL ENHANCEMENT COURSES (SEC)
SEMESTER - III
Hindi

Name of Program		Program Code	
Name of the Course	भाषा और समाज	Course Code	26HND403SE01OD
Hours per Week	3	Credits	3
Maximum Marks	75		

Formative Assessment Evaluation Process:

Title	Marks distribution
Written Test (2 x 10)	20
MCQs/Quizzes/Group Discussion (2 x 10)	20
Assignment/Case Study/Mini Project (2 x 10)	20
Seminar/Presentation	10
Attendance	05
Total	75

Course Learning Outcomes (CLO):

- भाषाई विविधता और विभिन्न भाषिक समुदायों से परिचित हो सकेंगे।
- भाषा सर्वेक्षण की पद्धतियों से परिचित हो सकेंगे।

Unit 1: भाषा, समाज और संस्कृति

भाषा और समाज का अंतर्संबंध

भाषा—व्यवस्था और भाषा—व्यवहार

समाज भाषाविज्ञान और उसका स्वरूप

भाषा का समाजशास्त्र

Unit 2: भाषाई विविधता और भाषिक समुदाय

भाषा और समुदाय

भाषा और जाति

भाषा और जातीयता

द्विभाषिकता और बहुभाषिकता (पिजिन व क्रियोल)

Unit 3: भाषा और सामाजिक व्यवहार

भाषा और वर्ग

व्यक्ति, समाज और भाषा वर्ग

भाषाई अस्मिता और जेण्डर

भाषा और संस्कृति

Unit 4: भाषा सर्वेक्षण

भाषा सर्वेक्षण: स्वरूप और प्रविधि

भाषा नमूनों का सर्वेक्षण

भाषा नमूनों का विश्लेषण

भाषा के नवीन प्रयोग

- **References** 1. भाषा और समाज – रामविलास शर्मा
- हिंदी भाषा चिंतन – दिलीप सिंह
- भाषा का संसार – दिलीप सिंह
- आलोचना की सामाजिकता मैनेजर पाण्डेय
- Socio Linguistics: An Introduction to Language and Society && Peter Trudgill
- Socio Linguistics – R.A.Hudson
- An Introduction to Socio Linguistics & Ronald Wordhaugh
- The Shadow of Language & George Yule

SEMESTER - III

English

Name of Program		Program Code	
Name of the Course	Introduction to Text and Performance	Course Code	26ENG403SE01OD
Hours per Week	03	Credits	03 (L- 3-T- 0-P- 0)
Maximum Marks	20+20+20+10+5 = 75		
Course Learning Outcomes (CLO): CLO 1 To introduce students to the key theories of performance. CLO 2 To provide a historical overview of Western and Indian theatre. CLO 3 To explore various theatrical forms and periods.			
Unit 1: <ul style="list-style-type: none">Aristotle: Hero, Epic and 6 Elements of Tragedy			
Unit 2: Classical Theories of Performance <ul style="list-style-type: none">Natyashastra: Chapter I - Origin of Drama (nāṭya) and Chapter VI - Sentiments (rasa)			
Unit 3: Shakespeare- <i>Julius Caesar</i>			
Unit 4: Vishakhadatta- <i>Mudrarakshasa</i>			
References: Ananda Lal, “A Historiography of Modern Indian Theatre” Ananda Lal, ed. “The Oxford Companion to Indian Theatre” Aparna Bhargava Dharwadekar, ‘Theatres after Independence.’ Bharat Gupt. “Dramatic Concepts: Greek and Indian, A Study of Poetics and Natyashashtra.” David Wiles, “Aristotle’s Poetics and Ancient Dramatic Theory” Frits Graf, “Religion and Drama” G.J Watson, “The Nature of Drama” from Drama: An Introduction Nandi Bhatia, ed. “Modern Indian Theatre: A Reader.”			

Rachel Van M. Baumer and James R. Brandon. Sanskrit Drama in Performance
 Raymond Williams, "Argument: Text and Performance"
 Richard Schechner, "What is Performance Studies?"
 Richard, Schechner. 'Drama, Script, Theatre and Performance'
 Robert Leach. "Theatre Studies: The Basics."
 Rustom Bharucha "Theatre and the World: Performance and the Politics of Culture"
 V. Raghvan. 'Sanskrit Drama and Performance'
 Vasudha Dalmia. "Poetics, Plays and Performances: The Politics of Modern Indian Theatre."
 W.B.Worthen, 'Disciplines of the Text: Sites of Performance'

FORMATIVE ASSESSMENT EVALUATION PROCESS

	Marks distribution
Written test (2 X 10)	20
MCQs/ Quizzes/ Group Discussion (2 X 10)	20
Assignment/Case study / Mini project (2 X 10)	20
Seminar / Presentation	10
Attendance	05
Total	75

SEMESTER - III
Sanskrit

Name of Program		Program Code	
Name of the Course	पर्व परिचय	Course Code	26SKT403SE01OD
Hours per Week	6	Credits	3 (Practical)
Maximum Marks	75		

Note : Formative Assessment Model

	Marks distribution
Regular assessment through observation and class discussion	10
Lab work (practical file) / Field work (report)/Portfolio	30
Assignment/Case study / Mini project (2 X 10)	20
Seminar / Presentation	10
Attendance	05
Total	75

Course Learning Outcomes (CLO):

CLO 1: The students will be able to understand the various Parvas celebrated in Indian society.

CLO 2: The students will be able to gain knowledge regarding the vedic Parvas.

CLO 3: The students will be able to gain knowledge regarding the Social Parvas.

CLO 4: The students will be able to gain knowledge regarding the Cultural Parvas

CLO 5: The students will be able to gain knowledge regarding the National Parvas..

Unit 1:

वैदिक पर्व – अर्थ, प्रयोजन, महत्त्व, प्रकार

Unit 2:

सांस्कृतिक पर्व – नवसंवत्सरेष्टि, श्रावणी, विजयदशमी, शारदीय नवसस्येष्टि (दीपावली), वासन्तीनवसस्येष्टि (होली)

Unit 3:

सामाजिक पर्व – रामनवमी, हरितृतीया (तीज), कृष्णजन्माष्टमी, विविध जयन्ती

Unit 4:

राष्ट्रीय पर्व – स्वतन्त्रता दिवस, गणतन्त्र दिवस, शहीदी दिवस एवं अन्य विशिष्ट दिवस

References:

1. पञ्चमहायज्ञविधि – स्वामी दयानन्द सरस्वती।
2. संस्कार विधि – स्वामी दयानन्द सरस्वती।
3. नित्यकर्मविधि – आचार्य राजवीर शास्त्री।
4. नित्यकर्मविधि – पं. युधिष्ठिर मीमांसक।
5. आर्य सत्संग प्रदीप – डॉ. सतीश प्रकाश।
6. वैदिक उपासना प्रदीप – डॉ. बलवीर आचार्य।

SEMESTER - III
History

Name of the Program		Program Code	
Name of the Course	An Introduction to Archaeology	Course Code	26HIS403SE01OD
Hours per week	3	Course Credits	3
Formative Assessment			Marks
Written Test (2x10)			20
MCQs/Quizzes/Group Discussion (2x10)			20
Assignment/Case Study/Mini Project (2x10)			20
Seminar/Presentation			10
Attendance			05
Max. Marks			75
Course Learning Outcomes (CLO):			
<ol style="list-style-type: none"> Students will be able to know various aspects of Archaeology. Students will be able to know basic relationship of Archaeology with History. Students will be able to get basic knowledge of exploration and excavation. Students will be able to effectively understand the relevance of archaeology for a society. 			
Unit - I			
<ol style="list-style-type: none"> Archaeology: Definition, Nature and Scope Its Relationship with other discipline: Pure Sciences Its Relationship with other discipline: Social Sciences Archaeological Findings and their significance 			
Unit – II			
<ol style="list-style-type: none"> Relevance of Archaeology to contemporary Society Major sub-disciplines of Archaeology: New archaeology and Post-Processual archaeology Principles and Methods of Archaeology Exploration methods 			

Unit – III	
<ol style="list-style-type: none"> 1. Excavation methods 2. Post-excavation Analysis 3. History of Indian Archaeology 4. Chronology and Dating methods 	
Unit – IV	
<ol style="list-style-type: none"> 1. Cultural Heritage, monuments and archaeological legislations 2. Determinism and Relativism 3. Contemporary approaches 4. Relevance of Archaeology 	
References:	
<ul style="list-style-type: none"> • Agrawal, D. P. and Yadav, M.D., Dating the Human Past, Indian Society for Prehistoric Studies, Pune, 1995 • Chakrabarti, D.K., A History of Indian Archaeology, New Delhi, 1988 • Child, V. G., Piecing together the Past, London, 1966 • Pandey, J. N., Puratatva Vimarsha, Allahabad, 2002 • Raman, K. V., Principles and Methods of Archaeology, Madras, 1986 • Thapalyal, K.K. and S. P.Shukla, Puratattva Praveshika, Lucknow, 1999 • Wheeler, R. E. M., Archaeology from the Earth, London, 1963 • Wheeler, R. E. M., Prithvi Se Puratattva, Delhi, 1968 • Plenderleith, H. J., The conservation of Antiquities and works of Art, London, 1974 • Crawford, O. G. S., Archaeology in the Field, New York, 1960 • Kenyon, K. M., Beginnings in Archaeology, London, 1961 • Atkinson, R. J. C., Field Archaeology, London, 1961 • Pandey, R. P., Bhartiya Puratattva, Bhopal, 1989 • Singh, Madanmohan, Puratattva ki Ruparekha, New Delhi, 1981 • Srivastava, K. M., New Era of Indian Archaeology, New Delhi, 1982 • Choubey, Ramesh, Puratatvik Manav Vigyan, Bhopal, 2007 • Krishnamurthy, K., Introducing Archaeology, New Delhi, 1995 • Drewet, Peter L., Field Archaeology: An Introduction, London, 1999 • Daniel, Glyn, The Origins and Growth of Archaeology, London, 1967 	

Note: In addition, students are advised to consult the current Research Journal of History and Archaeology

SEMESTER - III**Public Administration**

Name of Program	(Single Major / Multidisciplinary Programs)	Program Code	UMBA4
Name of the Course	Personality Development & Communication Skills	Course Code	26PUB403SE01OD
Hours per Week	03	Credits	03
Maximum Marks			75
Formative Assessment			Marks Distribution
Written Test (2*10)			20
MCQs/Quizzes/ Group Discussion			20
Assignment/ Case Study/ Mini Project			20
Seminar/ Presentation			10
Attendance			05
Total			75
Course Learning Outcomes (CLO):			
CLO1 Imparting theoretical knowledge of the concepts such as personality, skills, values, communication, motivation and leadership			
CLO2 Developing necessary skill among students to understand themselves based on their theoretical understanding of personality, skills, values, communication, motivation and leadership			
CLO3 Helping students in acquiring desired kinds of attitude, etiquettes, communication skills required for rational decision making.			
CLO4 Developing the Soft Skills as well as the presentation skills among the students and preparing them for interview.			

<p>Unit 1:</p> <p>Personality Development</p> <p>Personality Development – Concept; Skills and Value Orientation of Personality Development; Stages of Personality Development; Factors Affecting Personality Development; Personality Traits; Concepts–Creativity: Attitudes and Etiquettes.</p>
<p>Unit 2:</p> <p>Communication and its Dimensions, Decision Making</p> <p>Communication- Meaning, Importance, and Communication Skills, Verbal & Non Verbal Communication. Barriers to Effective Communication: Semantic; Organizational; psychological, Superior-Subordinate Related & others; Decision Making –Meaning, Importance, Determinant Factors and Techniques.</p>
<p>Unit 3:</p> <p>Managing Self-Mind and Motivation, Leadership and Conflict Resolution: Managing Self-Mind, Body and Soul; Motivation – meaning, theories and types. Leadership – meaning, types, functions and various theories. Conflict – meaning, reasons and consequences. Conflict Resolution: Need and various approaches and institutions</p>
<p>Unit 4:</p> <p>Development of Soft Skills, Presentation and Interview</p> <p>Soft Skills: Meaning & Characteristics, Misconception about Soft Skills, Development of Soft Skills; Presentation: Concept, Need of Presentation, Types of Presentation and Stages of Presentation; Difficulties in Presentation, How to make Presentation Effective, Salient Features of a Good Presentation: Interview: Meaning, Definition, Objectives Types, Techniques, Steps of Interview Process and limitations of Interview.</p>
<p>Suggested Readings:</p> <ul style="list-style-type: none"> • Pease, Allan and Pease, Barbara (2017) The Definitive Book of Body Language. Sudha Publications: Delhi • Baron, Robert A and Misra, Girishwar (2015) Psychology (Indian Sub-continent Edition). Pearson: New Delhi • Carmine, Gallo (2014) Talk like Ted: The Public Speaking Secrets of the World's Top Minds. Pan MacMillan: London • Khan, S R (2014) Personality Development. Ramesh Publishing House: Delhi.

- Morgan, Chifford T; King, Richard A; Weisz, John R and Scopler, John (2014)
- Adair, John (2009) Effective Communication (Revised Edition). Pan MacMillan: London
- Ajmani, J C (2012) Good English: Getting it Right
- Becker, Ethan F. and Wortmann, Jon (2009) Mastering Communication at Work: How to Lead, Manage, and Influence? McGraw Hill: New Delhi
- Jain, Shashi (2007) Introduction to Psychology (4th Revised Edition). Kalyani Publishers: New Delhi
- Hurlock, E B (2006) Personality Development (28th Reprint). Tata McGraw Hill: New Delhi
- Kumar, Pravesh (2005) All About Self-Motivation. Goodwill Publishing House: New Delhi
- D J (2004) Power of Positive Thinking. Rohan Book Company: Delhi
- Rupa Publications: New Delhi Andrews, Sudhir (1988) How to Succeed at Interviews (21st Reprint). Tata McGraw Hill: New Delhi
- Heller, Robert (2002) Effective Leadership. D K Publishing: New Delhi.
- Lucas, Stephen (2001) Art of Public Speaking. Tata McGraw Hill: New Delhi Mile,
- Introduction to Psychology (7th Edition). McGraw Hill: New Delh

SEMESTER - III

Political Science

Name of Program	B.A. Multidisciplinary	Program Code	UMBA4
Name of the Course	Understanding Gandhi	Course Code	26POL403SE01OD
Hours per Week	3	Credits	3

Formative Assessment Model:

	Marks distribution
Written test (2 X 10)	20
MCQs/ Quizzes/ Group Discussion (2 X 10)	20
Assignment/Case study / Mini project (2 X 10)	20
Seminar / Presentation	10
Attendance	05
Total	75

Course Learning Outcomes (CLO):

CLO 1: It aims to acquaint the students with the social and political thought of Gandhi.

CLO. 2: To make students familiar with the Gandhian methods of working and his contribution in the freedom struggle.

CLO.3: To make the students analyze the relevance of Gandhian thoughts on Ram-Rajay, environmental issues, Doctrine of Trusteeship, on world peace and on the role of state.

Unit 1:

Emergence of Gandhi on the Indian Political Scenario, Gandhi's concept of Morality in Politics, Theory of Ends and means.

Unit 2:

Gandhi's views on the Relationship between Religion and Politics, Gandhi's views on Equality, Liberty, Rights and Duties, Nationalism and internationalism.

Unit 3:

Gandhi's views on Democracy, Ideal Society, State and Government, Gram Swaraj, Ram-Rajay.

Unit 4:

Concept of Satyagraha, Satyagraha and Passive Resistance, Various techniques of Satyagraha, Main features and forms of Satyagraha.

References:

1. Bhattacharya, B., Evolution of the Political Philosophy of Gandhi, Calcutta Book House, Calcutta
2. Dhawan, G., The Political Philosophy of Mahatma Gandhi, Navajivan, Ahmedabad
3. Varma, V.P. Political Philosophy of Mahatma Gandhi and Sarvodaya, Laxmi Narain Agarwal, Agra
4. Diwakar, R.R., Saga of Satyagraha, Navajivan, Ahmedabad
5. Bharathi, K.S., Satyagraha of Mahatma Gandhi, Indus Publishing House, New Delhi.
6. Dutta, D. K., Social, Moral and Religious Philosophy of Mahatma Gandhi – A Critical Analysis, Intellectual Book Corner, New Delhi.
7. Iyer, R.N., The Moral and Political Thought of Mahatma Gandhi, Oxford University Press, New York.
8. Bharathi, K.S., Thoughts of Mahatma, Vol.II, Dattsons, Nagpur.
9. Bharathi, K.S., The Political Thought of Mahatma Gandhi, Concept Publishing House, New Delhi.
10. 10.Sharma, J.N., Gandhi's View of Political Power, Deep & Deep Publications, New Delhi.
11. 11.Bharathi, K.S., Mahatma Gandhi The Man of the Millennium, S.Chand & Company, New Delhi.
12. 12.Bharathi, K.S., Encyclopaedia of Gandhian Thought Volume I – VI, Anmol, New Delhi.
13. 13.Radhakrishnan, S., Mahatma Gandhi, Hundred years, Orient Longman, New Delhi.
14. Sharma, J.N., Power, Politics and Corruption : A Gandhian Solution, Deep & Deep Publishers, New Delhi.

SEMESTER - III
Mathematics

Name of Program		Program Code	
Name of the Course	Operations Research Techniques	Course Code	26MAT403SE01OD
Hours per Week	05	Credits	03
Maximum Marks	75	Time of Examinations	03 Hours
Course Learning Outcomes (CLO):			Mapped PLOs
CLO 1: Explain operations research, its scope and utility.			PLO2, PLO6
CLO 2: Know about operations research models, its methodology and classification.			PLO2, PLO6
CLO 3: Formulate and solve LPP's using Graphical & Simplex methods and understand the concept of duality in linear programming.			PLO1, PLO2, PLO6
CLO 4: Classify and handle different types of transportations problems and assignment problems.			PLO1, PLO2, PLO6
CLO 5: Learn to solve game problems using graphical, algebraic and linear programming methods			PLO1, PLO2, PLO6
<p style="text-align: center;">Section- I</p> <p>Definition, scope, methodology and applications of OR. Types of OR models. Concept of optimization, Linear Programming: Introduction, Formulation of a Linear Programming Problem (LPP), Requirements for an LPP, Advantages and limitations of LP. Graphical solution: Multiple, unbounded and infeasible solutions.</p>			
<p style="text-align: center;">Section-II</p> <p>Principle of simplex method: standard form, basic solution, basic feasible solution.</p> <p>Computational Aspect of Simplex Method: Cases of unique feasible solution, no feasible solution, multiple solution and unbounded solution and degeneracy. Two Phase and Big- M methods.</p>			
<p style="text-align: center;">Section-III</p> <p>Duality in LPP, primal-dual relationship.</p> <p>Transportation Problem: Methods for finding basic feasible solution of a transportation problem, Modified distribution method for finding the optimum solution, Unbalanced and degenerate transportation problems, transshipment problem, maximization in a transportation problem.</p>			
<p style="text-align: center;">Section-IV</p> <p>Assignment Problem: Solution by Hungarian method, Unbalanced assignment problem, maximization in an assignment problem, Crew assignment and Travelling salesman problem.</p> <p>Game Theory: Two person zero sum game, Game with saddle points, the rule of dominance; Algebraic, graphical and linear programming methods for solving mixed strategy games.</p>			

Practical/ Computational Work

List of Practicals

These programs can be implemented using C Programming

1. Program to input and plot constraints of a Linear Programming Problem (LPP).
2. Program to find feasible region and vertices (corner points).
3. Program to evaluate objective function at all corner points and find optimal solution (Graphical method).
4. Program to handle special cases:
 - a. Multiple solutions
 - b. Unbounded solution
 - c. Infeasible problem
5. Program to convert LPP to standard form.
6. Program to compute Simplex table and iterate to optimal solution.
7. Program to handle:
 - a. Unique feasible solution
 - b. No feasible solution (Infeasibility detection)
 - c. Multiple optimal solutions
 - d. Unbounded solution
 - e. Degeneracy
8. Program to solve LPP using Two-Phase Method.
9. Program to solve LPP using Big-M Method.
10. Program to form dual of a given primal LPP.
11. Program to solve LPP using dual simplex method (optional advanced topic).
12. Transportation Problem:
 - a. Program to find initial basic feasible solution using:
 - b. North-West Corner Rule
 - c. Least Cost Method
 - d. Vogel's Approximation Method (VAM)
13. Program to compute optimal solution using MODI (Modified Distribution Method)
14. Program to solve unbalanced transportation problems
15. Program to handle degenerate transportation problems
16. Program for solving a transshipment problem
17. Program for maximization-type transportation problems
18. Program to solve balanced assignment problem using Hungarian Method
19. Program to handle unbalanced assignment problem
20. Program for maximization in assignment problem
21. Program for crew assignment
22. Program to solve Travelling Salesman Problem (TSP) using:
 - a. Brute-force method (for small size)
 - b. Nearest neighbor heuristic (for larger size)
23. Program to find saddle point in a two-person zero-sum game
24. Program to apply dominance rule and reduce matrix
25. Program to solve 2×2 games using algebraic method
26. Program to solve $2 \times n$ or $m \times 2$ games using graphical method
27. Program to solve $m \times n$ games using Linear Programming (dual formulation)

References:

1. J.K. Sharma, Mathematical Model in Operations Research, Tata McGraw Hill.
2. H.A. Taha, Operations Research – An Introduction.
3. Kanti Swarup, P.K. Gupta, and Manmohan, Operations Research.
4. P.K. Gupta and D.S. Hira, Operations Research, S. Chand & Co.

5. S.I. Gass, Linear Programming (3rd Edition), McGraw Hill, New York, 1985.
6. S.D. Sharma, Operations Research.
7. N.S. Kambo, Mathematical Programming.
8. G. Hadley, Linear Programming, Narosa Publishing House, 1987.

SEMESTER - III
Economics

Name of Program		Program Code	
Name of the Course	Economic Research Review	Course Code	26ECO403SE01OD
Hours per Week	3	Credits	3
Maximum Marks	75 (Formative Assessment only)		
Note: There will be no external examination. Assessment will be made on the basis of formative assessment			
Distribution		Credit =3	
Written Test (2×10)		20	
MCQs/Quizzes/Group Discussion (2×10)		20	
Assignment/Case Study/Mini Project (2×10)		20	
Seminar/Presentation		10	
Attendance		5	
Total		75	
Course Learning Outcomes (CLO):			
CLO1: The basic understanding about the concepts of review of literature is created.			
CLO2: Knowledge about the various sources of economic literature is enhanced.			
CLO3: Students have gained the basic skill of literature review.			
Unit 1:			
Research: Concept and Need for Social Sciences Research, Objectives and limitations of social sciences research, Various types and methods of social and economic research.			
Unit 2:			
Literature Review: Concept, objectives of literature review, scope and purpose of literature review, selection of relevant economic literature, exploring research gaps and developing a research problem, limitations of literature review.			
Unit 3:			
Sources of economic literature, books, journals news-papers, searching the literature through web sources, E Resources, open-source resources and E libraries, use of search engines for finding literature			
Unit 4:			
Introduction and exposure to review of economic data resources: Understating the budget documents and related concepts of budget, Economic Survey of Government of India. RBI and CMIE database on India Economy- main features and key trends on national income, growth, agriculture, industry and trade.			
References:			
➤ Krishnaswami, O. R., Ranganatham, M., & Harikumar, P. N. (2016). <i>Research methodology: Methods and techniques</i> (2nd ed.). New Age International (P) Limited Publishers.			
➤ Kothari, C. R. (2012). <i>Research methodology: Methods and techniques</i> (3rd ed.). Himalaya Publishing House.			

C) ABILITY ENHANCEMENT COURSE (AEC)

SEMESTER – III

English

Name of Program		Program Code	
Name of the Course	English (Two)	Course Code	26ENGX03AE01OD
Hours per Week	2	Credits	02 (L- 2-T- 0-P- 0)
Maximum Marks	50		
<p>Examiner will be required to set NINE questions in all. Question No. 1 will be compulsory which consists of 12 short-answer type questions each of 2 marks covering the entire syllabus out of which candidate will be required to attempt eight questions. In addition to Q.No.1, candidate will be required to attempt four more questions from the remaining eight questions each carrying 16 marks.</p>			
<p>Course Learning Outcomes (CLO):</p> <p>CLO 1. Students will be able to transcribe the polysyllabic words, use primary stress and pronounce the commonly used words with proper stress</p> <p>CLO 2. Students will be able to understand extended conversations revolving around friends, family, vacation, one's occupation, shopping or announcements at public places and understand the main points/themes discussed therein</p> <p>CLO 3. Students will be able to develop fairly advanced vocabulary and use the basics of grammar for their communication needs at intermediate level</p>			
<p>Unit 1: Syllable and Stress</p> <ul style="list-style-type: none"> Syllable: role of stress, primary stress and secondary stress (marking primary stress on commonly used words) Transcription (of commonly used multisyllabic words) Intonation – concept and uses of rising tone, falling tone, rising-falling tone, falling-rising tone 			
<p>Unit 2:</p> <ul style="list-style-type: none"> Clauses: Noun, Adjective, Adverbial and Conditional Verbs: Finite/Non-Finite, Infinitive, Gerund, Participles Modal Tense 			
<p>Unit 3:</p> <ul style="list-style-type: none"> Introduction to Writing Skills and Mechanics of Writing <p>Barriers to Effective Writing and Steps to overcome them</p>			
<p>Unit 4:</p> <ul style="list-style-type: none"> Paragraph Writing : Descriptive, Argumentative, Expository <p>Dialogue Writing , Letter Writing , Email Writing, Blog Writing</p>			

References:

1. *English for Ability Enhancement* by Orient Blackswan.
2. *English Phonetics for Indian Students* by Balasubramanian, T.
3. *Better Spoken English* by Chaudhary, Shreesh.
4. *Speak Better Write Better English* by Lewis, Norman.
5. *Oxford Advanced Learner's Dictionary*.
6. *Practical English Usage* by Swan, Michael
7. *A Practical English Grammar* by Thomson, A. J. and A. V. Martinet.

D) MULTIDISCIPLINARY COURSES (MDC)

SEMESTER – III

English

Name of Program		Program Code	
Name of the Course	Introduction to Poetry and Phonetics	Course Code	26ENGX03MD01OD
Hours per Week	03	Credits	03 (L- 3-T- 0-P- 0)
Maximum Marks	20+20+10+20+05 = 75		
Course Learning Outcomes (CLO): CLO 1. The students will be able to understand various components of poetry CLO 2. Perusal of poetry will enrich their knowledge of sub-genres of poetry CLO 3. The students will understand speech sounds in English language CLO 4. The students will be able to write phonemic transcription and word stress			
Unit 1: Poems <div>1. Toru Dutt : “Sita” 2. Rabindranath Tagore : “Where the Mind is Without Fear” 3. Sarojini Naidu : “The Bangle Sellers” 4. Nissim Ezekiel : “Night of the Scorpion”</div>			
Unit 2: Poems <div>1. John Milton : “On His Blindness” 2. William Wordsworth: “The Solitary Reaper” 3. Robert Browning : “My Last Duchess” 4. W. B. Yeats : “When You are Old”</div>			
Unit 3: Phonetics <div>1. Organs of Speech 2. Speech Sounds: Vowels and Consonants</div> (*For Visually Challenged Students: Business Letter)			

Unit 4:**Phonetics**

1. Transcription of Words
2. Word Stress

(*For Visually Challenged Students: Essay in 500 words)

References:

Sethi and P.V. Dhamija. *A Course in Phonetics and Spoken*

English. PHI, 1999.

T. Balasubramanian. *A Textbook of English Phonetics for Indian Students*, MacMillan India.

SEMESTER - III

Hindi

लोक साहित्य

Course Code	26HNDX03MD01OD	Course Credits	3 Credits
Max. Marks	75(External (term-end exam)-50 (Internal-25)	Time of end term examination	3 Hours

Note: Examiner will set nine questions in total. Answer to question no. 1 shall be compulsory comprising questions from all four units and remaining eight questions shall be set by taking two questions from each unit. The students have to attempt five questions in total, first being compulsory and selecting one from each unit.

Course Objectives:

1. विद्यार्थी वर्तमान वैश्वीकरण के युग में अपने अंचल विशेष के प्रभाव रूप से लेकर वैश्विक संदर्भ से जुड़ सकेंगे।
2. विद्यार्थियों को लोक साहित्य की भाव गंभीरता, सांस्कृतिक रूप और सहज अभिव्यक्ति का परिचय प्राप्त हो सकेगा।
3. विद्यार्थियों को समृद्ध करने में लोक साहित्यकारों की भूमिका का ज्ञान प्राप्त होगा।
4. विद्यार्थी लोक साहित्य से परिचित हो सकेंगे।

Course Outcomes:

1. लोक संस्कृति की समझ विकसित होगी।
2. साहित्य और बोलियों की जानकारी प्राप्त होगी।
3. लोक साहित्य के अध्ययन विश्लेषण का परिचय प्राप्त हो सकेगा।

Unit – I

1. लोक साहित्य : परिभाषा एवं स्वरूप, लोक साहित्य के विशिष्ट अध्येता, लोक संस्कृति : अवधारणा, लोक संस्कृति और साहित्य, लोक साहित्य के अध्ययन की प्रक्रिया, लोक साहित्य के संकलन की समस्याएँ।
- 2- जनपदीय बोलियों का महत्त्व और हरियाणवी बोली का उद्भव और विकास

Unit-II

1. लोक साहित्य के प्रमुख रूप : लोक गीत, लोक नाट्य, लोक कथा, लोकगाथा, लोकोक्ति।
- 2- लोक गीत, संस्कार गीत, व्रतगीत, श्रम परिहार गीत, ऋतुगीत।

Unit-III

1. लोकनाट्य – रामलीला, स्वांग, यक्षगान, माच, तमाशा, नोटंकी।
- 2- लोककथा – व्रतकथा, परिकथा, नागकथा, बोधकथा कथानक रुढ़ियाँ एवं अभिप्राय, लोककथा निर्माण में अभिप्राय

Unit-IV
<ol style="list-style-type: none"> 1. लोकगाथा – लोकगाथा की भारतीय परम्परा, लोकगाथा की सामान्य प्रवृत्तियाँ, लोकगाथा की प्रस्तुति। 2. स्वांग गीता उपदेश – पं० जगन्नाथ रचनावली, संपा० डॉ० माया मलिक । 3- लोकगीत– फागुण के गीत (2) संस्कार के गीत (2), ऋतुगीत (2), सद्भावना गीत (2) भजन
<p>Suggested Readings:</p> <ol style="list-style-type: none"> 1. हरियाणावी भाषा का उद्भव तथा विकास – डॉ० नानक चन्द शर्मा 2. हरियाणा प्रदेश का लोक साहित्य – शंकरलाल यादव 3. हिन्दी प्रदेश के लोकगीत – कृष्णदेव उपाध्याय 4. हरियाणवी और उसकी बोलियों का अध्ययन – डॉ० पूर्णचंद शर्मा 5. पं० लख्मीचंद रचनावली – डॉ० पूर्णचंद शर्मा 6. पं० जगन्नाथ रचनावली, संपा० डॉ० माया मलिक 7. महाशय दयाचंद मायना हरियाणवी ग्रंथावली – डॉ० राजेन्द्र बड़गूजर

SEMESTER – III**Sanskrit**

Name of Program	Not to be filled	Program Code	Not to be filled
Name of the Course	Fundamentals of Indian Philosophy भारतीय दर्शन की मूल अवधारणाएं	Course Code	26SKTX03MD01OD
Hours per Week	3	Credits	3
Maximum Marks	75		

Note : Formative Assessment Model

	Marks distribution
Written test (2 X 10)	20
Class assignments / Case study / Mini project (2 X 10)	20
Book review / Essay / Seminar (1 X 10)	10
Quiz / Group discussion / Debate (2 X 10)	20
Attendance	05
Total	75

Course Learning Outcomes (CLO):

CLO 1: The students will be able to know the subject matter of Kathopnishad.

CLO 2: The students will be able to Understand the fundamentals of Oupnishadic Philosophy.

CLO 3: The students will be able to know the metaphysics of Nyaya Philosophy.

CLO 4: The students will be able to know the various elements of Philosophical traditions.

CLO 5: The students will be able to know the subject matter of Tarkasangraha.

Unit 1:**Kathopnishad**

Chapter-I – Pratham valli.

Unit 2:**Kathopnishad**

Chapter-I – Dvitiya valli.

Unit 3:

Tarkasangraha (from beginning to Abhava Nirupan)

Unit 4:

Tarkasangraha (from Prithvi Dravya to Manas Dravya)

References:

1. कठोपनिषद्, गीता प्रेस गोरखपुरा
2. तर्कसंग्रह, चौखम्बा प्रकाशन, दिल्ली।

SEMESTER - III

Mathematics

Name of Program	B.A. / B.Sc.	Program Code	Not be filled
Name of the Course	Applicable Mathematics	Course Code	26MATX03MD01OD
Hours per Week	03	Credits	03
Maximum Marks	75	Time of Examinations	03 Hours
Course Learning Outcomes (CLO):			Mapped PLOs
CLO 1: Understand and explain the basic concepts, types and operations (union, intersection, difference, and complement) of sets.			PLO1, PLO2
CLO 2: Use Venn diagrams to visualize set relationships and solve word problems involving sets.			PLO1, PLO2
CLO 3: Determine the type of matrices and compute the elementary operations on the matrices.			PLO1, PLO2
CLO 4: Calculate determinant and use the adjoint method and row/column operations to find the inverse of a matrix.			PLO1, PLO2
CLO 5: Solve problems related to interest and annuities.			PLO1, PLO2, PLO6
Section - I			
Theory of Sets: Meaning, elements, types, presentation and equality of Sets, Union, Intersection, Complement and Difference of Sets, Venn Diagram, Cartesian Product of two Sets, Applications of Set Theory.			
Section - II			
Matrices and Determinants: Definition of a Matrix ; Types of Matrices, Algebra of Matrices; Properties of determinants; Calculation of values of Determinants upto third order; adjoint of a Matrix, elementary row and column operations; Finding inverse matrix through adjoint; Solution of a system of Linear equations having unique Solution and involving not more than three variables.			
Section - III			
Compound Interest: Certain different types of interest rate; Concept of present value and amount of a sum.			
Section - IV			
Annuities: Types of annuities; Present value and amount of an annuity, including the case of continuous compounding.			
References:			
1. Allen B.G.D: Basic Mathematics; Mcmillan, New Delhi.			
2. Volra. N. D. Quantitative Techniques in Management, Tata McGraw Hill, New Delhi.			
3. Kapoor V.K. Business Mathematics: Sultan chand and sons, Delhi.			

SEMESTER - III
History

Name of the Program	Under Graduate Single Major Programme	Program Code	USHIS4
Name of the Course	History of Communication	Course Code	26HISX03MD01OD
Hours per week	3	Course Credits	3
Formative Assessment			Marks
Written test (2 X 10)			20
Class assignments / Case study / Mini project (2 X 10)			20
Book review / Essay / Seminar (1 X 10)			10
Quiz / Group discussion / Debate (2 X 10)			20
Attendance			05
Max. Marks			75
Course Learning Outcomes (CLO):			
<ol style="list-style-type: none"> Students will be able to understand the concept of communication in History. Students will be able to know ancient communication and its importance. Students will be able to get basic knowledge of types of communication. Students will be able to understand the relevance of communication for society. 			
Unit - I			
<ol style="list-style-type: none"> The Emergence of Verbal Communication Ancient means of Communication The Origin of Writing 			
Unit – II			
<ol style="list-style-type: none"> Nature and Characteristics of scripts in ancient civilizations Communication and globalization in the ancient World Mode of communication in Ancient India 			
Unit – III			
<ol style="list-style-type: none"> Different waves of print culture in ancient and medieval Asia The Historical contests between orality and literacy Colonialism and communication during 16-20th centuries in India 			
Unit – IV			
<ol style="list-style-type: none"> Non-verbal communication in the digital age Development of Internet and computer mediated communication Globalization and communication 			

References:

- Burke, P., *The Art of Conversation*, Cambridge, 1993
- Carey, J. W., *Communication as Culture*, New York, 2008
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- Rogers, E. M. and S. H. Chaffee, *The past and the future of communication study: Convergence or divergence?*, *Journal of Communication*, Vol. 43 (4), 1993
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- Simonson, P., Peck, J., Craig, R. T. and J. P. Jackson, Jr., *Hand book of Communication History*, New York, 2013
- Zelizer, B., *Explorations in Communication and History (Shaping Inquiry in Culture, Communication and Media Studies)*, New York, 2008

Note: In addition, students are advised to consult the current Research Journal of History.

SEMESTER - III**Political Science**

Name of Program	B.A. Multidisciplinary	Program Code	MDC-3
Name of the Course	Democracy and Human Rights in India	Course Code	26POLX03MD01OD
Hours per Week	3	Credits	3
Formative Assessment			Marks Distribution
Written Test (2*10)			20
Class Assignments/ Mini Project (2*10)			20
Book Review/ Essay/ Seminar (1*10)			10
Quiz/Group Discussion/ Debate(2*10)			20
Attendance			05
Total			75
Course Learning Outcomes (CLO) are to: CLO 1: Create and understanding about the fundamental concepts and ideas behind the term “Human rights”. CLO 2: Familiarize the students about the journey of human rights, first world and third world perceptions of human rights, and the legal and constitutional provisions given in the Indian constitution. CLO 3: Build and understanding about the movements related to the protection of human rights, role of civil society, media, NGOs, public and commissions (Central/state).			
Unit I: The Concept of Human Rights a) Global & Third World Context b) Indian Context			
Unit 2: Human Rights and Constitutional - Legal Framework in India, Issues and Challenges (a) Fundamental Rights (b) Directive Principles of State Policy (c) Protection of Human Rights Act, 1993 (d) Contemporary issues			

Unit 3:**Civil Society and Human Rights**

Media, Public Opinion and Human Rights

Unit 4:

New Social Movements and NGO's

NHRC

References:**Reports:**

Human Rights in India- The Updated Amnesty International Reports, Delhi, Vistaar .

Human Rights in India: Status Report 2012.

Social Justice: Scheduled Caste, Scheduled Tribes, other backward classes, Minorities in Eleventh Five Year Plan 2007-12, Government of India.

Social, Economic and Educational status of Muslim Community in India: Sachhar Committee Recommendations.

Subramanian, S., Human Rights: International Challenges, Delhi, Manas, 1997.

Swaminathan, Padmini, 'Exclusion from and Inclusion in Development Implications for Engendering Development', Economic and Political Weekly, October 25, 2008.

Torture in India, Asian Centre for Human Rights, 2010.

Alston Philip, The United Nations and Human Rights – A Critical Appraisal, Oxford, Clarendon, 1995.

Atrocities Against Dalit : Retrospect and Prospect: Combat Law, September-December, 2009

Article and Books:

Alston Philip, The United Nations and Human Rights-A Critical Appraisal, Oxford, Clarendon, 1995.

Baxi, Upender, 'Rule of Law in India', International Journal of Human Rights, Year 4, no 6, 2007 Baxi, Upendra (ed.), The Right to be Human, Delhi, Lancer, 1987

Beetham, David (ed.), Politics and Human Rights, Oxford, Blackwell, 1995

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Das, Ashish and Dhanajay Pandey, Contract workers in India: Emerging Economic and Social Issues, Indian Journal of Industrial Relations Vol 40, no 2, 2005.

Desai, A R. (ed.), Violations of Democratic Rights in India, Bombay, Popular Prakashan,

1986. Development Challenges in Extremist Affected Areas: Report of an Expert Group to Planning Commission of India

Dhanda, Amita, 'Constructing a new Human Rights Lexicon: Convention on rights of person with disability.' *International Journal of Human Rights*, Year 5, no 8, 2008

Dreze, Jeane and Reetika Khera, 'Crime Gender and Society in India: Insights from Homicide Data', *Population and Development Review*, Vol 26, no 2, 2000

Evans, Tony, *The Politics of Human Rights: A Global Perspective*, London, Pluto Press, 2001. Haragopal, G., *Good Governance: Human Rights, Perspective*, *Indian Journal of Public Administration*, Vol. 44 (3), July-September, 1998.

Haragopal, G., *The Legitimacy crisis of Indian State' in Political Economy of Human Rights : Emerging Dimensions*, Himalaya Publishing House: New Delhi, 1998.

Hargopal, G., *Political Economy of Human Rights*, Hyderabad, Himalaya, 1999.

Hasan, Zoya, *Politics of Inclusion: Caste, Minorities and Affirmative*, Oxford University Press: New Delhi, 2009.

Iyer, V.R. Krishna, *The Dialectics and Dynamics of Human Rights in India*, Delhi, Eastern Law House, 1999.

Kothari, Smitu and Sethi, Harsh (eds.), *Rethinking Human Rights*, Delhi, Lokayan, 1991. Mahajan, Gurpreet, "Indian Exceptionalism or Indian Model: Negotiating Cultural Diversity and Minority Rights in a Democratic Nation-State", in Will Kymlicka and Baogang He (eds.) *Multiculturalism in Asia*. Oxford University Press. 2005.

Saksena, K.P. (ed.), *Human Rights: Fifty Years of India's Independence*, Delhi, Gyan, 1999. Shah, Ghanshayam, Harsh Mander, Sukhadeo Thorat, Satish Deshpande and Amita Baviskar, *Untouchability in Rural India*, Sage: Delhi 2006.

Shetty, Salil, 'Millenium Declaration and Development Goals: A Human Rights Approach' *International Journal of Human Rights*, Year 2, no. 2, 2005.

SEMESTER- III
Public Administration

Name of Program	UG 4 Years Public Administration	Program Code	Multidisciplinary (MDC-3)
Name of the Course	Governance at Grass Roots Level in India	Course Code	26PUBX03MD01OD
Hours per Week	03	Credits	03
Maximum Marks			75
Formative Assessment			Marks Distribution
Written Test (2*10)			20
Class Assignments/ Case Study/ Mini Project (2*10)			20
Book Review/ Essay/ Poster Presentation (1*10)			10
Quiz/ Seminar/Group Discussion/ Debate(2*10)			20
Attendance			05
Total			75
Course Learning Outcomes			
<p>CLO1.Students would be able to get knowledge about the Local Government Amendments and Haryana Municipal and Panchayati Raj Acts.</p> <p>CLO2. To apprise the students about the composition & functions of the Rural & Urban Ministries and Departments at Central as well as State level</p> <p>CLO3. They would get knowledge about the operational working of Urban Local Bodies</p> <p>CLO4. They would get knowledge about the operational working of Rural Local Bodies.</p>			
Unit 1:			
Local Governance- Meaning, Definition & Scope, Significance, 73 rd & 74 th Constitutional Amendment Act, 1992: Salient Features, Haryana Panchayati Raj Act, 1994, Haryana Municipal Corporation Act, 1994, Haryana Municipality Act, 1994.			
Unit 2:			
Organization & Functions: Ministry of Panchayati Raj, Ministry of Urban Development, Haryana Urban local Bodies Department, Development & Panchayats Department, Haryana.			
Unit 3:			
Urban local Bodies: Municipal Corporations, Councils & Committees: Organization & Functions, Power and Position of Mayor.			
Unit 4:			
Organisation & Functions of Rural Local Bodies: Zila Parishad, Panchayat Samiti &, Gram Panchayat, Gram Sabha: Organisation & Functions, District Planning Committee: Composition & Functions.			

Suggested Readings-

- Gurpreet Choudhary, T. Gopinath, Urban Local Governance In India Dynamics, Challenges, and Innovation, Abhishek Publications, New Delhi, 2024.
- U.B. Singh, Urban Local Governance In India, Aayu Publications, New Delhi, 2023.
- S.L. Goel, Urban Local Self- Government: Administration and Management in the 21st Century, Deep & Deep Publications, New Delhi, 2022.
- S.R. Maheshwari, Local Government in India, Luxmi Narayan Aggarwal, Agra, 2020.
- Vikendriykarana tha Sthaniya Shasan, Gully Baba, IGNU Notes, 2018.
- Dharmendra Singh, Panchayati Raj avam Gramin Vikas, Rawat Publication, Jaipur, 2017.
- Bhuvanesh Gupta, Urban Local Government, Wisdom Press, New Delhi, 2014.
- Anjila Bajpai, State Government and Administration, Wisdom Press, New Delhi, 2014.
- Jawahar Lal Gupta, Local Government, Wisdom Press, New Delhi, 2013.
- Pankaj Singh, Urban Local Governance In India, Kitab MahaL Distributors, New Delhi, 2013.
- Bhuvanesh Gupta, Urban Local Government, Dominant Publisher & Distributors, New Delhi, 2013.
- Pradeep Sachdeva, Local Government in India, Pearson India, UP, 2011.
- Sunder Ram, Grassroots Planning and Local Governance in India, Kanishka Publisher & Distributors, New Delhi, 2010.
- Ramesh Arora and Gita Chaturvedi, Bharat Me Rajya Prashasan, RBSA Publisher, Jaipur, 2005
- Manoj Sharma, Local Government: Rural & Urban, Anmol Publication Pvt. Ltd., New Delhi, 2004.

SEMESTER - III
Economics

Name of Program		Program Code	UMBA4
Name of the Course	Problems of Indian Economy	Course Code	26ECOX03MD01OD
Hours per Week	3	Credits	3
Maximum Marks	75 (Formative Assessment only)		
Note: There will be no external examination. Assessment will be made on the basis of formative assessment			
Formative Assessment Criteria for Three Credit Theory Course			
Distribution		Credit =3	
Written Test (2×10)		20	
Class Assignments/Case Study/Mini Project (2×10)		20	
Book Review/Essay/Seminar (1×10)		10	
Quiz/Group Discussion/Debate (2×10)		20	
Attendance		5	
Total		75	
Course Learning Outcomes (CLO):			
CLO 1: Students have a basic understanding of Indian economy			
CLO 2: Students are aware of the current challenges faced by Indian economy			
CLO 3: Enhanced knowledge about the key reforms undertaken from time of time			
Unit 1:			
Introduction to Indian Economy – Basic characteristics and features of Indian economy. Economic Planning in India: Features, Objectives and Assessment of Indian Planning. (Plan wise details to be excluded).			
Unit 2:			
Demographic features of India’s population. Inter-state disparities in the pattern of development. Role of population in economic development.			
Unit 3:			
Poverty and unemployment in India. Programmes for eradication of poverty and unemployment with special reference to the post – reform era.			
Unit 4:			
Agriculture: Features of Indian Agriculture. Impact of Green Revolution on Indian Agriculture. Recent Trends in Agricultural Development -- Causes of Deceleration and Future Challenges			
References:			
➤ Brahmananda, P.R. and Panchmukhi: The Development Process of Indian Economy, Himalaya Publishing House, New Delhi. Latest Edition			
➤ S.K.Mishra, V.K. Puri : Indian Economy : Its Development Experience, Himalaya Publishing House, New Delhi (Latest Edition)			
➤ Economic Survey: Government of India. Latest Issue.			
➤ Economic and Political Weekly: Various Issues			
➤ A.N. Aggarwal : Indian Economy, V.K. Publications.			

SEMESTER - IV

A) DISCIPLINE SPECIFIC COURSES (DSC)**SEMESTER – IV****English**

Name of Program		Program Code	
Name of the Course	Introduction to American Literature	Course Code	26ENGM404DS01OD
Hours per Week	04	Credits	04 (L-3 - T-1 - P-0)
Maximum Marks	70+30=100	Time of Examination	3 Hours

Note:

Question No 1 Students shall be required to attempt any four Short notes (100-150) words each out of the **given six** selecting at least one from each unit.

Questions 2, 3, 4 and 5 shall be essay type questions with internal choice.

All questions carry equal marks.

Course Learning Outcomes (CLO):

CSO 1 Acquainting the students with the representative texts of American literature and developing an understanding of various trends.

CSO 2 Enabling to appreciate and critically analyse different genres of American literature through different styles of writing and different narratives presented through the texts

CSO 3 Ability to situate literary texts within the changing historical, political and cultural contexts of the American literature.

Unit 1:

Ralph Waldo Emerson: Nature

Unit 2:

Mark Twain: "The Five Boons of Life"

Kate Chopin: "A Respectable Woman"

O' Henry: " Gift of Magi"

Unit 3:

Emily Dickinson:

- i) Success is Counted Sweetest (1859)
- ii) “Hope” is the thing with feathers (1861)
- iii) Because I could not stop for Death (1863)

Walt Whitman:

- i) A Glimpse
- ii) A Song
- iii) Among the Multitude

Unit 4:

Hemingway: *Old Man and the Sea*

References:

Bercovitch, Sacvan, ed. *The Cambridge History of American Literature*.

Bordman, Gerald Martin and Thomas S. Hirschack. *The Oxford Companion to American Theatre*. 3rded.

Elliot, Emory, ed. *The Columbia History of the American Novel*.

Evans, Robert C. *Critical Insights: The Old Man and the Sea*

Gray, Richard J. *A Brief History of American Literature*.

Horton, Rod William and Herbert W. Edwards. *Backgrounds of American Literary Thought*.

Killingsworth, M. Jimmie. *Whitman's poetry of the body: sexuality, politics, and the text*

Leary, Lewis Gaston. *Articles on American Literature 1900-1950*.

Malkoff, Karl. *Crowell's Handbook of Contemporary American Poetry*.

Matthiessen, F. O. *American Renaissance: Art and Expression in the Age of Emerson and Whitman*.

Ruland, Richard and Malcolm Bradbury. *From Puritanism to Postmodernism: A History of American Literature*.

Spiller, Robert E. et al., eds. *Literary History of the United States*.

White, Barbara Anne. *American Women Writers: An Annotated Bibliography of Criticism*.

Walt Whitman / edited and with an introduction by Harold Bloom.

SEMESTER - IV

Hindi

Name of Program		Program Code	
Name of the Course	हिंदी साहित्य : गद्य विधाएँ	Course Code	26HNDM404DS01OD
Hours per Week	4	Credits	4
Maximum Marks	100	Time of Examinations	3 Hours

Note:

Examiner will set nine questions and the candidates will be required to attempt five questions in all. Question number one will be compulsory containing short answer type questions from all units. Further, examiner will set two questions from each unit and the candidates will be required to attempt one question from each Unit. All questions will carry equal marks.

Course Learning Outcomes (CLO):

1. हिंदी गद्य रूपों का परिचय प्राप्त होगा।
2. विविध गद्य रचनाओं का महत्व और प्रासंगिकता से परिचित हो सकेंगे।
3. प्रमुख रचनाओं के विश्लेषण की समझ विकसित होगी।

Unit 1:

लोभ और प्रीति (निबंध) – रामचंद्र शुक्ल
बसंत आ गया है (निबंध) – हजारी प्रसाद द्विवेदी

Unit 2:

प्रेमचंद के साथ दो दिन (संस्मरण) – बनारसी दास चतुर्वेदी
ठकुरी बाबा (संस्मरण) – महादेवी

Unit 3:

वैष्णव जन (ध्वनि रूपक) – विष्णु प्रभाकर
शायद (एकांकी) – मोहन राकेश

Unit 4:

अंगद का पाँव (व्यंग्य) – श्रीलाल शुक्ल
ढेले पर हिमालय (यात्रावृत्त) – धर्मवीर भारती

References:

1. हिंदी का गद्य साहित्य – रामचंद्र तिवारी, विश्वविद्यालय प्रकाशन, गोरखपुर।
2. हिंदी साहित्य का दूसरा इतिहास – बच्चन सिंह, राधाकृष्ण प्रकाशन, नई दिल्ली ।
3. हिंदी गद्य: विन्यास और विकास – रामस्वरूप चतुर्वेदी, लोकभारती प्रकाशन, इलाहाबाद ।
4. कवि तथा नाटककार – रामकुमार वर्मा, वरुण प्रकाशन, दिल्ली ।
5. हिंदी का ललित निबंध साहित्य और आचार्य हजारी प्रसाद द्विवेदी – विदुषी भारद्वाज, राधा पब्लिकेशन।
6. साहित्यिक विधाएँ : पुनर्विचार – हरिमोहन, वाणी प्रकाशन, नई दिल्ली।
7. प्रतिनिधि हिंदी निबंधकार – विभुराम मिश्र, ज्योतिश्वर मिश्र, लोकभारती प्रकाशन, नई दिल्ली।
8. हिंदी कहानी : अंतरंग पहचान – रामदरश मिश्र, वाणी प्रकाशन, नई दिल्ली।
9. हिंदी कहानी : प्रक्रिया और पाठ – सुरेंद्र चौधरी, राधाकृष्ण प्रकाशन, नई दिल्ली।

SEMESTER - IV**Sanskrit**

Name of Program	UG MULIDISCIPLINARY	Program Code	
Name of the Course	संस्कृत IV	Course Code	26SKTM404DS01OD
Hours per Week	4	Credits	4
Maximum Marks	100	Time of Examinations	3 HOURS

Course Learning Outcomes (CLO):

CLO 1: Enable students to speak basic Sanskrit sentences and engage in simple conversations. Emphasis will be on pronunciation, common phrases and everyday vocabulary, through the Text 'Vagvyavharsahsri' chapters 22-26.

CLO 2: Introduce students to classical Sanskrit literature through the study of some part of Raghuvansham Mahakavya. Focus will be on comprehension, interpretation, characterisation and appreciation of this ancient Sanskrit text written by Kalidasa.

CLO 3: Teach the students various types of Sanskrit pratyayas, necessary to understand the rules and application of Sanskrit grammar.

CLO 4: Teach the students various types of compounds and their applications.

CLO 5: Students will develop writing skills in Sanskrit through the rules of Sanskrit translation.

Unit 1:

संस्कृतवाग्वयवहारः –

संस्कृतव्यवहारसाहस्री (22 से 26 पाठ पर्यन्त)

Unit 2:

रघुवंशमहाकाव्यम् (द्वितीय सर्ग)

Unit 3:

(क) कृदन्त प्रत्यय –

क्त, क्तवतु, क्त्वा, ण्यत्, तुमुन्, शतृ, शानच्, यत्, तव्यत्, अनीयर्।

(ख) समास – द्वन्द्व, बहुव्रीहि।

Unit 4:

संस्कृत अनुवाद एवं पत्र लेखन।

दिशा-निर्देश –

प्रथम प्रश्न अनिवार्य है, इसमें सम्पूर्ण पाठ्यक्रम में से 7 वस्तुनिष्ठ प्रश्न पूछे जाएंगे। $7 \times 2 = 14$

शेष प्रश्नों के निर्देश अधोलिखित हैं।

यूनिट – 1 संस्कृत में पूछे गए 12 प्रश्नों में से किन्हीं 07 प्रश्नों का संस्कृत में उत्तर। $7 \times 2 = 14$

यूनिट – 2

(क) किन्हीं 4 में से 2 पद्यों की सप्रसङ्ग व्याख्या। $2 \times 4 = 08$

(ख) रघुवंश के आधार पर समालोचनात्मक 2 सैद्धान्तिक प्रश्नों में से 1 का उत्तर। $1 \times 6 = 06$

यूनिट – 3

(क) 12 में से किन्हीं 8 कृदन्त पदों में प्रकृति-प्रत्यय प्रदर्शन। $8 \times 1 = 08$

(ग) 6 में से किन्हीं 3 पदों में समास की पहचान तथा विग्रह प्रदर्शन। $3 \times 2 = 06$

यूनिट – 4

(क) किन्हीं दो विषयों में एक विषय पर पत्र-लेखन। $1 \times 8 = 08$

(ख) 10 में 6 वाक्यों का संस्कृत में अनुवाद। $6 \times 1 = 06$

References:

1. संस्कृत व्यवहारसाहस्री – संस्कृतभारती प्रकाशन, दिल्ली।
2. रघुवंशम्, श्रीकृष्णमणि त्रिपाठी, चौखम्बा सुरभारती प्रकाशन, वाराणसी।
3. प्रारम्भिक रचनानुवादकौमुदी, डॉ. कपिलदेव द्विवेदी, विश्वविद्यालय प्रकाशन, वाराणसी।
4. कृदन्तरूपमाला, सृजन झा, ऐप उपलब्ध गुगल प्ले स्टोर।
5. अनुवादचन्द्रिका, डॉ. ब्रह्मानन्द त्रिपाठी, चौखम्बा सुरभारती प्रकाशन, वाराणसी।

SEMESTER - IV

Economics

Name of Program	UG	Program Code	
Name of the Course	Macro Economics II	Course Code	26ECOM404DS01OD
Hours per Week	4	Credits	L T P 3 1 0
Maximum Marks	Total External Internal 100 70 30	Time of Examinations	3 Hours

Note:

Examiner will set nine questions and the candidates will be required to attempt five questions in all. Question number one will be compulsory containing short answer type questions from all units. Further, examiner will set two questions from each unit and the candidates will be required to attempt one question from each Unit. All questions will carry equal marks.

Course Learning Outcomes (CLO):

CLO1: Students are able to understand Keynesian Multiplier and its application.

CLO2: Students are able to learn Trade Cycles theories.

CLO3: Knowledge about the role and impact of Monetary and Fiscal Policies in economic stability is gained.

Unit 1:

Keynesian Multiplier: Concepts, Relation between Multiplier, MPC and MPS, working of multiplier, Comparative Static and Dynamic Process. Working of Multiplier in UDC's. Acceleration Principle and Concept of Super Multiplier.

Unit 2:

Demand for Money & Price level: Concept, factors affecting the demand for money, Quantity theory of money and Liquidity Preference Theory. Inflation: Effects of Inflation, Theories of Inflation: Cost Push and Demand Pull Inflation.

Unit 3:

Public Finance: Nature & Scope of Public Finance, Taxation System, Impact & Incidence of Taxation.

Macro Economic Policies: Monetary and Fiscal Policies.

Unit 4:

Trade Cycles: Meanings, Types, Phases and Theories of Trade Cycles (Hicks and Samuelson).

Economic Growth: meaning and theories. Harrod-Domar Theory and Neo-classical Theory.

References:

- Lipsey, R. G., & Chrystal, K. A. (1999). *Principles of economics* (9th ed.). Oxford University Press.
- Ackley, G. (1978). *Macroeconomics: Theory and policy*. Macmillan.
- Branson, W. A. (1989). *Macroeconomics: Theory and policy* (3rd ed.). Harper & Row.
- Shapiro, E. (1996). *Macroeconomics: Analysis*. Galgotia Publications.
- Stiglitz, J. E., & Walsh, C. E. (2002). *Principles of macroeconomics*. W.W. Norton & Company.
- Samuelson, P. A., & Nordhaus, W. D. (2005). *Economics* (18th ed.). Tata Hill Publishing.
- Mankiw, N. G. (2007). *Principles of economics*. Thomson Learning.
- Lipsey, R. G., & Chrystal, K. A. (2007). *Economics*. Oxford University Press.

SEMESTER – IV

Mathematics

Name of Program	B.A./B.Sc.	Program Code	UMPS4
Name of the Course	Real Analysis	Course Code	26MATM404DS01OD
Hours per Week	4	Credits	4
Maximum Marks	100 (70 Theory + 30 Internal)	Time of Examinations	3 Hours
Course Learning Outcomes (CLO)			Mapped PLOs
CLO1 – Recall fundamentals of real numbers, sequences and series.			PLO1
CLO2 – Analyse continuity, differentiability and Riemann integration.			PLO1, PLO2
CLO3 – Apply Mean-Value Theorems and Taylor's theorem for real functions.			PLO2
CLO4 – Test convergence of sequences and series of functions, including uniform convergence.			PLO2
CLO5 – Discuss completeness, compactness and connectedness in metric spaces.			PLO1, PLO5
Note:			
Examiner will set nine questions and the candidates will be required to attempt five questions in all. Question no. 1 will be compulsory containing four short answer type questions from all sections. Further, examiner will set two questions from each section and the candidates will be required to attempt one question from each Section. All questions will carry equal marks.			
<i>Section – I</i>			
Finite and infinite sets, Countable and uncountable sets, Bounded sets, Suprema and infima, Completeness property of \mathbb{R} , Archimedean property of \mathbb{R} .			
<i>Section – II</i>			
Riemann integral, Integrability of continuous and monotonic functions, Fundamental theorem of integral calculus. Mean value theorems of integral calculus.			
<i>Section - III</i>			
Improper integrals and their convergence, Comparison tests, Abel's and Dirichlet's tests, Frullani's integral, Integral as a function of a parameter. Continuity, Differentiability and integrability of an integral of a function of a parameter..			
<i>Section – IV</i>			
Jacobians, Beta and Gamma functions, Double and Triple integrals, Dirichlet's integrals, Change of order of integration in double integrals.			

References:

1. T.M. Apostol: Mathematical Analysis, Narosa Publishing House, New Delhi, 1985
2. R.R. Goldberg : Real analysis, Oxford & IBH publishing Co., New Delhi, 1970
3. D. Somasundaram and B. Choudhary : A First Course in Mathematical Analysis, Narosa Publishing House, New Delhi, 1997
4. Shanti Narayan : A Course of Mathematical Analysis, S. Chand & Co., New Delhi.
5. R.G. Bartle - D.R. Sherbet, Introduction to Real analysis, John Wiley & Sons.
6. J. E. Marsden- A. J. Tromba- A. Weinstein, Basic multi-variable calculus, Springer.
7. Ajit Kumar & S. Kumaresan, A Basic Course in Real Analysis, CRC Press, 2014.
8. J. Stewart, Calculus, Brooke/Cole Publishing Co, 1994.

SEMESTER - IV
Public Administration

Name of Program	Public Administration	Program Code	USPUB4
Name of the Course	Basics of Indian Administration- II	Course Code	26PUBM404DS01OD
Hours per Week	04	Credits	4
Maximum Marks	Theory Internal 70 30	Time of Examinations	3 Hours

Note:

Examiner will set nine questions and the candidates will be required to attempt five questions in all. Question number one will be compulsory containing short answer type questions from all units. Further, examiner will set two questions from each unit and the candidates will be required to attempt one question from each Unit. All questions will carry equal marks.

Course Learning Outcomes (CLO):

CLO 1: Student acquired knowledge about the Ecology of Indian Administration & its Role in Nation Building.

CLO-2. Students will gain understanding about the Political Executive at State Level.

CLO-3.Students would get knowledge about the Operational Working of Administration at District Level.

CLO-4.Students would be familiarized about the emerging issues in Indian Administration.

Unit 1:

Ecology of Indian Administration: Social, Political, Economic, Cultural and Constitutional Environment, Role of Indian Administration in Nation Building and Social welfare.

Unit 2:

Political executive at State Level: Governor: Power and Position, Chief Minister: Power and Position, Relationship between Chief Minister and Governor, Council of Minister: Organization and Functions.

Unit 3:

Organization and Functions of State Police Administration, Role of Superintendent of police in maintaining Law and Order at District level, Role of Deputy Commissioner in District Administration, Role of District Development Panchayat Officer (DDPO) in the Management of PRIs.

Unit 4:

Emerging issues in Indian administration: Impact of LPG on Indian Administration, Impact of Information Technology on Indian Administration, Initiatives towards Citizens Centric Administration: Citizen Charter, RTI Act, Social Audit.

Suggested Readings:

- Mohit Bhattacharya, Asit Basu, Indian Administration-,The world press private limited, Kolkata, 2024.
- Rajender Prasad, Meena, Bhart Mein Rajya Prashashan, Rajasthan Hindi Granth Academy, Jaipur, 2020.
- R.K. Sapru, Indian Administration, Sage Publication Pvt. Ltd., New Delhi. 2018.
- B.L. Fadia & K. Fadia, Indian Administration, Sahitya Bhawan Publication, Agra, 2017.
- Avasthi & Avasthi, Indian Administration, L.N. Aggarwal Publications, Agra, 2017.
- Bidyut Chakrabarty, Indian Administration, Sage Publication Pvt. Ltd., New Delhi, 2016.
- Abrar, R., Indian Public Administration, Wisdom Press, New Delhi, 2016.
- Goyal, Vijay Kumar and B.K. Garg, Rural Development Administration, New Delhi: AlfaPublications, 2013.
- Gupta, Jawahar Lal, Indian Administration: Evolution & Development, Wisdom Press, New Delhi, 2013.
- R.K. Arora, Indian Public Administration: Institutions and Issues, New Age International Publishers, New Delhi, 2012 (3rd edition).
- Hoshiyar Singh, Indian Administration Pearson, London, 2011.
- Vishnu Bhagwan, Vidya Bhushan, Indian Administration, S. Chand, New Delhi, 2011.
- Sharma, P.D., & Sharma, B.M., Indian Administration: Retrospect and Prospect, Rawat Publication, Jaipur, 2009.
- Chahar, S.S., District Administration in Era of Globalization, Concept Publication, New Delhi, 2009
- S.C. Mehta, Bhartiya Prashashan, HRDM Publication, New Delhi, 2007.
- Prasad, Kamala, Indian Administration, Politics, Policies and Prospects, New Delhi, Pearson Longman, 2006.
- Maheshwari, S.R., Indian Administration, New Delhi, Orient Longman, 2000.

SEMESTER - IV**Political Science**

Name of Program	UG Multidisciplinary with Hons.	Program Code	
Name of the Course	Principles of Political Science-II	Course Code	26POLM404DS01OD
Hours per Week	4	Credits	4
Maximum Marks	100 Internal : 30 External : 70	Time of Examinations	3 Hours

Note:

Examiner will set nine questions and the candidates will be required to attempt five questions in all. Question number one will be compulsory containing short answer type questions from all units. Further, examiner will set two questions from each unit and the candidates will be required to attempt one question from each Unit. All questions will carry equal marks.

Course Learning Outcomes (CLO):

CLO.1: The objective of this course is to make familiarize the graduate students with certain key concepts for analyzing politics and the core theoretical issues.

CLO.2: This Course intends to present the students with a map of the field of political theory and develop argumentative skills.

CLO.3: This Course has been designed to provide students a details knowledge on the key concepts of liberty, equality, justice, rights, power, state, sovereignty.

Unit 1:

Concepts and Theories of Rights, Relationships between Rights and duties, Universal Declaration of Human Rights.

Unit 2:

Concept and Theories of Liberty and Equality.
Relationship between Liberty and Equality.

Unit 3:

Concepts and theories of Social Change
Concept and Theories of Development

Unit 4:

RTI, Consumer Protection and Welfare State.

References:

1. Amal Ray and Mohit Bhattacharya, *Political Theory : Institutions and Ideas*.
2. A. K. Mukhopadhyaya, *Political Sociology: As Introductory Analysis*.
3. T.B. Bottomore, *Elites and Society*.

4. R. Blauner, *Alienation and Freedom*.
5. J. La Palombara, *Bureaucracy and Political Development*.
6. Michael Rush and Philip Althoff, *An Introduction to Political Sociology*.
7. Lucian W. Pye and Sidney Verba, (eds.), *Political Culture and Political Development*.
8. L.S. Rathore, (ed.), *Political Sociology*.
9. R. Flathman, (ed.), *Concepts in Social and Political Philosophy*.
10. S. P. Verma, *Modern Political Theory*.
11. Anthony M. Orun, *Introduction to Political Sociology*.
12. Rajani Kothari, *State and Nation-Building*.
13. Ralph Miliband, *Marxism and Politics*.
14. Giddens and Held, (eds.), *Class, Power and Conflict*.
15. Lee Ann Osbern, *The Problem of Participation*.

SEMESTER - IV**History**

Name of the Program	Under Graduate Multidisciplinary with Hons. in One Major Discipline	Program Code	UMBA4
Name of the Course	History of Ancient World	Course Code	26HISM404DS01OD
Hours per week	5	Course Credits	4
Max. Marks	100 {External (term-end exam) – 70} (Internal – 30)	Time of Examination	3 Hours

Note: Examiner will set nine questions and the candidates will be required to attempt five questions in all. Question number one will be compulsory containing short answer type questions from all units. Further, examiner will set two questions from each unit and the candidates will be required to attempt one question from each Unit. All questions will carry equal marks.

Course Learning Outcomes (CLO):

1. Students will be able to get the basic knowledge of Human evolution.
2. Students will be able to understand development of the tools, techniques and probably their uses.
3. Students will be able to understand development of Chalcolithic cultures and their relation with others.
4. Students will be able to get basic knowledge of the antiquity of Iron technology and their users.

Unit - I**Tools Culture:**

1. Prehistory: Concept, Its aims & methods
2. Pleistocene Age: Climatic fluctuations, Human Evolution, Origin of Human like Species
3. Hunting-gathering stage: Palaeolithic Age and Mesolithic Age
4. Advent of agriculture & animal Husbandry and settled life: Neolithic Age

Unit – II**Bronze Age Civilizations:**

1. Sumer: Origin, cities, Polity, Society, Religion, Economy, Art and Technology
2. Egypt: Polity, Society, Religion, Economy, Art and Technology
3. Harappan Civilization: Origin and expansion, Polity, Society, Religion, Economy, Art and Technology

Unit – III**Iron Age Cultures:**

1. Greek: Polity, Society, Religion, Economy, Art and Technology
2. Roman: Polity, Society, Religion, Economy, Art and Technology
3. Vedic Civilization, PGW, Megalithic culture of India

Unit – IV**Maps:**

4. Early places of Advent of Agriculture

- | |
|--|
| <ol style="list-style-type: none">5. Centres of Bronze age Civilization6. Main Centre of Greek Civilization7. Main Centre of Roman Civilization8. Places of PGW and Megalithic Culture in India |
|--|

References:
<ul style="list-style-type: none">• Boardman, J., Oxford History of the Classical World, New York, 1986• Child, V. G., What Happened in History, Penguin, 1942• Clark, G., World Prehistory in New Perspectives, Cambridge, 1976• Dudley, D., Roman Society, New York, 1992• Fagan, Brian M., People of the Earth- An Introduction to World Prehistory, London, 1997• Farooqui, Amar, Prachin aur Madhyakaleen Samajik Sanrachana aur Sanskritiya, New Delhi, 2003• Finley, M. I., The Ancient Economy, London, 1967• Finley, M. I., The Ancient Greeks, London, 1963• James, T. G. H., An Introduction to Ancient Egypt, Cambridge, 1993• Kumar, Rakesh, Ancient and Medieval World, New Delhi, 2018• Nardo, Don, Classical Greece and Rome (World history by era), 2001• Shriram Goyal, Prachin Vishva ki Sabhyataein, Varanasi, 2002• Stuart, S., Pre Historical Agriculture, Oxford, 1996• Will Durant, Study of Civilization, New York, 1953

Note: In addition, students are advised to consult the current Research Journal of History.

B) MINOR VOCATIONAL COURSES (MVC)**SEMESTER – IV****English**

Name of Program		Program Code	
Name of the Course	Fundamentals of Analytical Reading and Writings	Course Code	26ENG404MV01OD
Hours per Week	04	Credits	04 (L- 4-T- 0-P- 0)
Maximum Marks	70+30=100	Time of Examination	3 Hours

Note:

Question No 1 Students shall be required to attempt any four Short notes (100-150) words each out of the **given six** selecting at least one from each unit.

Questions 2, 3, 4 and 5 shall be essay type questions with internal choice.

All questions carry equal marks.

Course Learning Outcomes (CLO):

CLO 1 To familiarize the students with the fundamentals of rhetorical or persuasive writing organized according to a pedagogic system of academic writing that is followed the world over so that they are able to identify key arguments in published texts.

CLO 2 To examine and interpret other writers' writings (contained in the course reader) as a crucial preliminary stage to be able to connect and synthesize multiple texts around an issue or an idea.

CLO 3 To consider how writers use personal authority and trustworthiness, argumentative logic, comparison and contrast, example, and emotional appeals to be able to create and defend their own arguments through effective rhetorical strategies.

Unit 1:**Rhetorical Reading and Writing**

- Purpose
- Subject
- Audience
- Context

Unit 2:**Reading Process**

- Foregrounding
- Annotating
- Vocabulary Building
- Note-taking
- Outlining
- Summarizing

Unit 3:

Writing Process

- Free Writing
- Paraphrase
- Summary
- Outlining
- Drafting

Unit 4:

Short Story

1. Ismat Chughtai: “The Veil”
2. Rabindranath Tagore: “The Postmaster”
3. Saki (H.H.Munro): “The Open Window”

The Poems

- i) Robert Frost: “The Road Not Taken”
- ii) Kamla Das: “My Grandmother’s House”
- iii) Dylan Thomas: “Do not Go Gentle into the Night”

References:

The Aims of Argument. Crusius, Timothy and Carolyn Channell. Mayfield Publishing.1995.

Critical Thinking: An Introduction to Analytical Reading and Reasoning. Larry Wright.

Writing Analytically with Readings (2nd Edition) David Rosenwasser and Jill Stephen.

Fundamentals of Analytic Reading: A Guide for Teachers Created by Samantha Hedges and Joshua Kieffer

Analytical Reading Unleashed: Delve into deeper Comprehension by Blooms OUP

The Word on College Reading and Writing by Carol Burnell, Jaime Wood, Monique Babin, Susan Pesznecker, and Nicole Rosevear (chapter “Annotate and Take Notes”)

Reading Rhetorically, 4th Edition. By John C. Bean, Virginia A. Chappel and Alice M. Gilliam. Pearson/ Longman. 2007

A Handbook for Analytical Writing: Keys to Strategic Thinking by William . E. Winner

Write What Matters by Liza Long. 2020

About Writing: A Guide by Robin Jeffrey. 2017.

Skimming and Scanning. Writing Advice. Freedman, L. (2012). Retrieved from <http://advice.writing.utoronto.ca/researching/skim-and-scan/>

The Bedford handbook (7th ed.). Hacker, Diana. (2006). New York: St. Martin's. Retrieved from https://department.monm.edu/english/mew/signal_phrases.htm

Purdue Online Writing Lab. Paraphrasing. Purdue OWL. Retrieved from https://owl.purdue.edu/owl/research_and_citation/using_research/quoting_paraphrasing_and_summarizing/paraphrasing

SEMESTER - IV

Hindi

Name of Program	Not to be filled	Program Code	Not to be filled
Name of the Course	प्रवासी हिंदी साहित्य	Course Code	26HND404MV01OD
Hours per Week	04	Credits	04
Maximum Marks	100	Time of Examinations	03 Hours

Note:

Examiner will set nine questions and the candidates will be required to attempt five questions in all. Question number one will be compulsory containing short answer type questions from all units. Further, examiner will set two questions from each unit and the candidates will be required to attempt one question from each Unit. All questions will carry equal marks.

Course Learning Outcomes (CLO):

विद्यार्थी प्रवासी साहित्य के इतिहास एवं उसके विकास की परंपरा से परिचित हो सकेंगे।
 प्रवासी साहित्य के माध्यम से प्रवासी जीवन संदर्भों को समझ सकेंगे।
 प्रवासी साहित्य की अवधारणा एवं उससे जुड़े विषयों को जान सकेंगे।

Unit 1: प्रवासी साहित्य का परिचय

प्रवासी साहित्य की अवधारणा एवं स्वरूप
 प्रवासी हिंदी साहित्य लेखन का इतिहास
 प्रवासी हिंदी साहित्य लेखन की प्रवृत्तियां

Unit 2: प्रवासी कविताएं

बदलाव – सुधा ओम ढींगरा
 मैं ब्रह्म हूँ – दिव्या माथुर
 अपनी राह से – पुष्पिता अवस्थी
 क्या मैं परदेसी हूँ – कमला प्रसाद मिश्र

Unit 3: प्रवासी कहानियां

कब्र का मुनाफा — तेजेंद्र शर्मा

पेड़ — हंसा दीप

लेबनान की एक रात— शैलजा सक्सेना

Unit 4: प्रवासी उपन्यास

लाल पसीना — अभिमन्यु अनत

पॉल की तीर्थयात्रा — अर्चना पैन्थूली

1. गोयनका, डॉ. कमल किशोर, हिंदी का प्रवासी साहित्य, अमित प्रकाशन, गाजियाबाद, उत्तर प्रदेश।

2. गोयनका, डॉ. कमल किशोर (प्रधान संपादक), प्रवासी साहित्य जोहान्सबर्ग से आगे, विदेश मंत्रालय, भारत सरकार, नई दिल्ली।

3. आर्य एवं नावरिया, सुषमा एवं अजय (संपादक), प्रवासी हिंदी कहानी एक अंतर्यात्रा, शिल्पायन प्रकाशन, दिल्ली।

4. पांडेय एवं पांडेय, डॉ. नूतन एवं डॉ. दीपक, प्रवासी साहित्य (विश्व के हिंदी साहित्यकारों से संवाद) खंड 1 एवं 2, स्वराज प्रकाशन, नई दिल्ली।

5. सक्सेना, उषा राजेय ब्रिटेन में हिंदी, मेधा बुक्स, दिल्ली।

6. जोशी, रामशरण (संपादक), भारतीय डायस्पोरा: विविध आयाम

SEMESTER - IV**Mathematics**

Name of Program		Program Code	Not be filled
Name of the Course	Mathematical Computing using Python	Course Code	26MAT404MV01OD
Hours per Week	06 Hours	Credits	04 Credits
Maximum Marks	100 (50 Theory (35 External + 15 Internal) + 50 Practical)	Time of Examinations	03 Hours
Course Learning Outcomes (CLO)			Mapped PLOs
CLO1: Know about basics of Python Programming			PLO7, PLO9
CLO2: Generate programming skill using flow statements			PLO2, PLO9
CLO3: Understand and utilize built-in and user-defined mathematical functions			PLO1, PLO9
CLO4: Use of strings and various characteristics of strings in programming			PLO7, PLO9
CLO5: Solve various problems by creating lists and indexing			PLO2, PLO9
Note: Examiner will set nine questions and the candidates will be required to attempt five questions in all. Question No. 1 will be compulsory containing four short answer type questions from all sections. Further, examiner will set two questions from each section and the candidates will be required to attempt one question from each Section. All questions will carry equal marks.			
Section-1 Python Basics: Introduction, Thrust Area of Python, Installing Anaconda Python Distribution, Installing PyCharm, Getting Started with Python, Python as A Calculator, Installing and using Jupyter Notebook. Identifiers, Keywords, Statement and Expressions, Variables, Mathematical Operators, Precedence and Associativity, Data types, Comments, Reading Input, Print Output, Type Conversions, The Type() Function and is Operator.			
Section-2 Control Flow Statements: The if, if...else, if...elif...else Decision Control Flow Statement, Nested if Statements, The while Loop, The for Loop, The continue and break Statements, Catching Exceptions using try and except Statement. Mathematical Function: Built-In Functions, commonly used Mathematical Modules, Mathematical Function Definition and Calling the Function, The return Statement and void Function, Scope and Lifetime of Variables, Default Parameters.			
Section-3 Strings: Creating and Storing strings, Basic String Operations, Accessing Characters in String by Index Number, String Slicing and Joining, String Methods, Formatting Strings.			
Section-4 Lists: Creating List, Basic List Operations, Indexing and Slicing in Lists, Built-In Functions Used in Lists, List Methods, The del Statement. Basic Matrix Computations using Python Programming.			

Part-B (Practical)

Max. Marks : 50

i) Written Practical/ Lab work : 20 Marks

ii) Viva-voce and practical record: 30 Marks

Time : 3 Hours

There will be five questions in all, and the students must attempt any three questions. The question paper will set on the spot jointly by the internal and external examiners.

Distribution of Marks will be as follows:

Marks for Question Paper:	20
Marks for Practical Record Book:	10
Marks for Viva-Voce:	20
Total:	50

List of Practicals

Installation

1. Learn how to install and use Anaconda Distribution of Python, PyCharm and Jupyter Notebook.

Introductory Programs

2. A program to perform different arithmetic operations.
3. A program to find area and volume of different shaped objects.
4. A program to implement the concept to Type Conversions.

Flow Control Programs

5. A program to check whether a number is prime or not.
6. A program to find the factorial of a number.
7. A program for Nth fibonacci number.
8. A program to find sum of squares of first N natural numbers.
9. A program to find LCM/HCF of numbers.
10. A program to reverse a number.
11. A program to find sum of digits of a number.
12. A program to construct different patterns.

String/List/Functions related Programs

13. A program to find sum of elements in list.
14. A program to find N largest elements from a list.
15. A program to print odd numbers of list.
16. A program to compare two lists.
17. A program to print all positive numbers in a range.
18. A program to check if a string is palindrome or not.
19. A program to remove Nth character from string.
20. A program to reverse a given string.

21. A program to convert the string into lowercase/uppercase.
22. A program to perform string concatenation, slicing and indexing.
23. A program to implement a simple calculator using functions.
24. A program to demonstrate use of Functions.
25. A program to implement Default Parameters.

Programs based on Matrices

26. A program to perform matrix subtraction.
27. A program to perform matrix multiplication (dot product).
28. A program to find the transpose of a matrix.
29. A program to find the inverse of a matrix.
30. A program to calculate the determinant of a matrix.
31. A program to create an identity matrix.
32. A program to check if a matrix is symmetric.

References:

1. Gowrishankar S., Veena A., Introduction to Python Programming, Special Indian Edition, CRC Press
2. Michael Dawson, Python Programming for The Absolute Beginner, Third Edition
3. Swastika Mitra, Applied Numerical Mathematics and Computing (Using C, C++ and Python), Academic Publication
4. Prof. P. Subashini, Dr. N. Balamani, Dr. R. Janani, Explore Python for Mathematics, Notion Press
5. K. Varadu Rajkumar, Dr. Marlapalli Krishna, S. Jaya Prakash, Basic Python Programming for Beginners
6. Kevin Wilson, The Absolute Beginner's Guide to Python Programming, Apress
7. Dr. R. Nageswara Rao Core Python Programming, Second Edition, Dreamtech Press India Pvt. Ltd.

SEMESTER - IV
Sanskrit

Name of Program	Not to be filled	Program Code	Not to be filled
Name of the Course	सांख्य दर्शन	Course Code	26SKT404MV01OD
Hours per Week	4	Credits	4
Maximum Marks	100	Time of Examinations	3 Hours

Note:

Examiner will set nine questions and the candidates will be required to attempt five questions in all. Question number one will be compulsory containing short answer type questions from all units. Further, examiner will set two questions from each unit and the candidates will be required to attempt one question from each Unit. All questions will carry equal marks.

Course Learning Outcomes (CLO):

CLO 1: The students will be able to understand the subject matter of Sankhya Karika.

CLO 2: The students will be able to understand the metaphysics of Sankhya philosophy.

CLO 3: The students will be able to develop the ability to critically analyse the foundational principles, key concepts and epistemological approaches of Sankhya philosophy

Unit 1:

सांख्यदर्शन के आचार्य एवं ग्रन्थ

Unit 2:

दुःखत्रय, प्रमाणत्रय, गुणत्रय, सत्कार्यवाद

Unit 3:

प्रकृति, पुरुष, सृष्टि, विवेकज्ञान, कैवल्य

Unit 4:

सांख्यकारिका की कतिपय प्रसिद्ध कारिकाओं का कंठस्थीकरण एवं लेखन

References:

1. सांख्यकारिका, व्याख्या गजानन मुसलगाँवकर
2. सांख्यकारिका, व्या.रामकृष्ण आचार्य
3. सांख्यकारिका, व्याख्या - - ब्रजमोहन चतुर्वेदी
4. सांख्यकारिका, व्याख्या - - एच. एस. विल्सन
5. सांख्यसिद्धान्त व्या. आचार्य उदयवीर शास्त्री

SEMESTER - IV

Economics

Name of Program	UG	Program Code	
Name of the Course	Economics of Public Finance	Course Code	26ECO404MV01OD
Hours per Week	4	Credits	4
Maximum Marks	Total Theory Internal	Time of Examinations	3
	100 70 30		

Note:

Examiner will set nine questions and the candidates will be required to attempt five questions in all. Question number one will be compulsory containing short answer type questions from all units. Further, examiner will set two questions from each unit and the candidates will be required to attempt one question from each Unit. All questions will carry equal marks.

Course Learning Outcomes (CLO):

CLO 1: The students able to develop a comprehensive understanding of different Public Finance concepts.

CLO 2: Students are able to analyze various budgetary Practices.

CLO 3: Students are able to learn to apply the Taxation Principles.

CLO 4: Students can understand the concept of Fiscal Federalism in the context of India.

Unit 1:

Meaning, nature and importance of public finance, the concept of public goods, Pure public goods, private goods, mixed goods, merit goods and club goods. Market failure and government intervention. Fiscal functions.

Unit 2:

Budgeting: meaning of budget and its various types. Modern classification of budget. Concept of various budgetary deficits and its implications. Public expenditure in India, trends, and issues

Unit 3:

Theory of Taxation: ability to pay and benefit principle of tax. Taxable capacity. Incidences of taxation. Classification of taxes: direct and indirect taxes. Principle of taxation in developing economy.

Unit 4:

Indian Fiscal Federalism: vertical and horizontal imbalances, Competitive to cooperative federalism. Constitutional provisions of assignment of functions and sources of revenue. Centre-State financial relations in India. Local bodies Finance, Role of Finance Commission of India.

References:

- Atkinson, A. B. and J. E. Siglitz (1980), Lectures on Public Economics, Tata McGraw Hill, New York.
- Govt. of India, Ministry of Finance: Economics Survey (of various years)
- Musgrave R.A. and Musgrave P.B., Public Economics in Theory and Practice, McGraw Hill.
- Mandal Sudipto (ed) Public Finance: Policy Issue of India.
- M. Govind Rao and Tapan Sen (1998), Financial Federalism in India

- M.G. Rao and Tapas Sen (1996), Financial Federalism in India, Macmillan India,
- M. Govind Rao Changing contours in fiscal federalism in India
- Raghabendra Jha (1999), Modern Public Economics, Rotledge, London.
- Stieglitz, J.E., Economics of Public Sector, J.W. Norton & Company
- Srivastava D.K. (ed.) Fiscal Federalism in India

Srivastava, D. K. (Ed.) (2000) ,Fiscal Federalism in India, Har-Anand Publications Ltd., NewDelhi.
Reports of various Finance Commissions

SEMESTER- IV

Public Administration

Name of Program	MA Public Administration 5 Year Integrated	Program Code	Minor (Vocational)
Name of the Course	Introduction to Health Administration	Course Code	26PUB404MV01OD
Hours per Week	04	Credits	04
Maximum Marks	Theory Internal 70 30	Time of Examinations	3 Hours

Note:

Examiner will set nine questions and the candidates will be required to attempt five questions in all. Question number one will be compulsory containing short answer type questions from all units. Further, examiner will set two questions from each unit and the candidates will be required to attempt one question from each Unit. All questions will carry equal marks.

Course Learning Outcomes (CLO):

CLO1 An understanding of the theoretical issues related to health care policies

CLO2 An understanding about various governmental programs and institutions/organization at national and international levels

CLO3 Acquaintance with the challenges faced by Public Health Administration

Unit 1:

Introduction: Public Health Administration–Nature, Significance and Scope; Evolution of health Administration in India, Sustainable Development Goal-3: Good Health & Well Being, World Health Organization (WHO) – Structure, Functions,

Unit 2:

Health Administration at National Level-1: Union Ministry of Health and Family Welfare; Department of Health: Organization, Functions, Department of Family Welfare: Organization, Functions, Department of Health Research: Organization, Functions. Directorate General of Health Services: Organization, Functions.

Unit 3:

Health Administration at National Level-II: Central Council of Health & Family Welfare, National Medical Commission in India: Structure & Functions, Indian Council of Medical Science & Research: Organization & Functions, Challenges of Health Administration in India.

Unit 4:**Health Administration at State & District Level**

Department of Health: Organization, Functions; State health Directorate: Composition & Functions; Director of Health & Family Welfare; Organization and Functions of Health Administration at District & Block Level, Role of Chief Medical Officer (CMO) & Sub-Divisional Officer (SMO).

Suggested Readings:

- World Health Organization (2017) World Health Statistics 2017: Monitoring Health for the SDGs. Sustainable Development Goals: World Health Organization: USA
- Ballabh, C (2007) Health Care Services in Hospital. Alfa Publication: New Delhi
Banerjee, Baratati (Ed.)(2017) DK Taneja's Health Policies & Programmes in India (15th Edition). Jaypee Brothers Medical Publishers: New Delhi
- Kishore, Jugal (2016) National Health Programs of India, National Policies and Legislations related to Health (12th Edition).Century Publications: New Delhi
- Monk, Abraham (Ed.) (2016) Health Care of the Aged: Needs, Policies, and Services, Journal of Gerontological Social Work, Vol. 15, Nos.3-4.
- Routledge: New York Packard, Randall M(2016) A History of Global Health Interventions into the Lives of Other People. John Hopkins University Press: Baltimore
- Henry, Zodinlana Pachuau (2015) Children Under Institutional Care in North-East India. Lambert Academic Publishing: New Delhi
- Ahmad, Alia and Lalitha, N (Eds.) (2013) An Institutional Perspective on Provision of Health Care in India and Bangladesh. Academic Foundation: New Delhi
- Rout, Himanshu Sekhar(Ed.)(2011)Health Care Systems: A Global Survey. New Century Publications: New Delhi

- Hanlon, John H (2008) Principles of Public Health Administration. C.V Mosley Co. Mahal: St. Louis
- Sanjivi, K S (2007) Planning India's Health. Orient Longman: University of California
Terry, McNulty and Ferlie, Ewan (2004) Re-engineering Health Care. Oxford University Press: New Delhi
- Burci, Gian Luca and Vignes, Claude-Henri (2004) World Health Organization. Kulwer Law International: London/New York
- Bergerhoff, Petra; Lemann, Dieter; Novak, P (Eds.) (1990) Primary Health Care: Public Involvement, Family Medicine, Epidemiology and Health Economics. Springer-Verlag: Berlin and Heidelberg.
- Ghosh, B (1948) A Treatise on Hygiene and Public Health. Scientific Publishing Company: Calcutta

SEMESTER- IV

Political Science

Name of Program		Program Code	
Name of the Course	Modern Indian Political Thought-II	Course Code	26POL404MV01OD
Hours per Week	4	Credits	4
Maximum Marks	100 External: 70 Internal : 30	Time of Examinations	3 Hours

Note:

Examiner will set nine questions and the candidates will be required to attempt five questions in all. Question number one will be compulsory containing short answer type questions from all units. Further, examiner will set two questions from each unit and the candidates will be required to attempt one question from each Unit. All questions will carry equal marks.

Course Learning Outcomes (CLO) are to:

- CLO 1: Put in perspective the Indian political philosophy
- CLO2: Have a nuanced reflection on its impact on contemporary world
- CLO3: Critically engage with Indian political philosophies in terms of what it means to us
- CLO4: Familiarize the students with the various schools of political thought
- CLO5: Impart students with knowledge advocated by various political philosophers on state and politics
- CLO6: Project the history of political thought as a series of critical, interconnected and open-ended conversations

Unit 1:

Mahatma Gandhi and M.N, Roy

Unit 2:

Jawaharlal Nehru and B.R. Ambedkar

Unit 3:

Subhash Chander Bose and Bhagat Singh

Unit 4:

J.P. Narayan and Ram Manohar Lohia

References:

1. A.Appadorai, Indian Political Thinking through the Ages, Delhi Khanna Publishers, 1992.
2. J. Bandhopadhyaya, Social and Political Thought of Gandhi, Bombay, Allied, 1969.
3. R.J. Cashman, The Myth of 'Lokmanya' Tilak and Mass Politics in Maharashtra, Berkeley, University of California Press, 1975.

4. Chandra, Nationalism and Colonialism in Modern India, Delhi, Vikas, 1979.
5. K.Damodaran, Indian Thought : A Critical Survey, London, Asia Publishing House, 1967.
6. D.G. Dalton, India's Idea of Freedom : Political Thought of Swami Vivekananda, Aurobindo Ghosh, Mahatma Gandhi and Rabindranath Tagore, Delhi, Academic Press, 1982.
7. S. Ghosh, The Renaissance to Militant Nationalism, Bombay, Allied Publishers, 1969.
8. S. Ghosh, Socialism, Democracy and Nationalism in India, Bombay, Allied Publishers, 1973.
9. S. Ghosh, Modern Indian Political Thought, Delhi, Allied, 1984.
10. U.N. Ghoshal, A History of Indian Political Ideas, London, Oxford University Press, 1959.
11. J.P. Haitheox, Communism and Nationalism in India : M.N. Roy and Comintern Policy, Princeton NJ, Princeton University Press, 1971.
12. Heimsath, Indian Nationalism and Social Reform, Princeton NJ, Princeton University Press, 1964.
13. R. Iyer, The Moral and Political Thought of Mahatma Gandhi, Delhi, Oxford University Press, 1973.
14. K.N. Kadam (ed.), Dr. B.R. Ambedkar, New Delhi, Sage, 1992.
15. K.P. Karunakaran, Modern Indian Political Tradition, New Delhi, Allied Publishers, 1962.
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17. U. Kaura, Muslims and Indian Nationalism, New Delhi, Manohar, 1977.
18. R.M. Lohia, Marx, Gandhi and Socialism, Hyderabad, Nav Hind, 1953.
19. V.R.Mehta, Foundations of Indian Political Thought, New Delhi, Manohar, 1992.
20. V.S. Narvane, Modern Indian Thought, New Delhi, Orient Longman, 1978.
21. J. Nehru, Discovery of India, London, Meridian Books, 1956.
22. J. Sarkar, Indian Through the Ages : A Survey of the Growth of Indian Life and Thought, Calcutta, M.C. Sarkar and Sons, 1928.
23. B.S.Sharma, The Political Philosophy of M.N. Roy, Delhi, National Publishing House, 1965.
24. A.Tripathi, The Extremist Challenge, Bombay, Allied, 1967.
25. V.P. Verma, Modern Indian Political Thought, Agra, Lakshmi Narain Aggarwal, 1974

SEMESTER - IV**History**

Name of the Program	Under Graduate Single Major Programme	Program Code	USHIS4
Name of the Course	<u>History of Freedom Movement in India</u>	Course Code	26HIS404MV01OD
Hours per week	4	Course Credits	4
Max. Marks	100 {External (term-end exam) – 70} (Internal – 30)	Time of Examination	3 Hours

Note: Examiner will set nine questions and the candidates will be required to attempt five questions in all. Question number one will be compulsory containing short answer type questions from all units. Further, examiner will set two questions from each unit and the candidates will be required to attempt one question from each Unit. All questions will carry equal marks.

Course Learning Outcomes (CLO):

1. Students will be able to get the knowledge of origin and growth of nationalism in India.
2. Students will be able to understand the impacts of nationalist agitation in India.
3. Students will be able to understand the historical background and the rise of mass movement in India.
4. Students will be able to get the knowledge of freedom struggle and different policies towards Independence.

Unit - I**Emergence of Indian Nationalism**

1. Causes of Emergence of Nationalism
2. Regional Political Associations
3. Establishment of Congress (INC)

Unit – II**Nationalist Agitation 1885-1919 CE**

1. Movements of Indian National Congress -Swadeshi Andolan, Home Rule.
2. Rise of Revolutionary Movement
3. Rise of Communal Politics- Muslim League, Hindu Mahasabha

Unit – III**Emergence of Mass Movement**

1. Non-Cooperation Movement
2. Rise of Left Politics
3. Civil –Disobedience Movement, Quit India Movement

Unit – IV**Sub-Streams of Freedom Struggle and towards Independence**

1. Hindustan Socialist Republican Association - Revolutionary Movement
2. Forward Bloc and Indian National Army (I.N.A.)
3. Partition and Independence.

References:

- Argov, Daniel, Moderates and Extremists in the Indian National Movement, 1883-1920, Bombay, 1967
- Bhuyan, A. C., The Quit India Movement, New Delhi, 1975
- Desai, A.R., Social Background of Indian Nationalism, Bombay, 1959
- Dhankhar, J. S., A Short History of Hindustan Socialist Republic an Association, New Delhi, 2001
- Dhankhar, J. S., Prelude to Pakistan, New Delhi, 2000
- Majumdar, R. C., History of Freedom Movement Vol. I, II, III, Calcutta, 1962-63
- Mehrotra, S. R., The Emergence of Indian National Congress, Delhi, 1971
- Pradhan, G., India's Struggle for Swaraj, Madras, 1924
- Raghuvanshi, V. P. S., Indian National Movement and Thought, Michigan, 2007
- Sarkar, S., Swadeshi Movement in Bengal-1903-1908, New Delhi, 1973
- Seal, Anil, The Emergence of Indian Nationalism, Cambridge, 1968
- Singh, Pardaman, Lord Minto and Indian Nationalism 1905-1910
- Tara Chand, History of the Freedom Movement, Vol. I, II, III, IV., Delhi, 1961

Note: In addition, students are advised to consult the current Research Journal of History.

C) ABILITY ENHANCEMENT COURSE (AEC)**SEMESTER - IV****हिंदी भाषा संवर्धन-3**

Course Code	26HNDX03AE01OD	Course Credits	2(L:T:P:) (2:0:0)
Max. Marks	50		
Examiner will be required to set NINE questions in all. Question No. 1 will be compulsory which consists of 12 short-answer type questions each of 2 marks covering the entire syllabus out of which candidate will be required to attempt eight questions. In addition to Q.No.1, candidate will be required to attempt four more questions from the remaining eight questions each carrying 16 marks.			

Course Objectives:

1. विद्यार्थियों को हिन्दी भाषा के महत्त्व एवं गुणवत्ता से सुविज्ञ करवाकर हिन्दी की ओर उन्मुख करना।
2. रोजगार एवं व्यवसाय के क्षेत्र में हिन्दी को प्रतिष्ठित करना।
3. हिन्दी की वैश्विक स्तर पर प्रतिष्ठा करना।

Course Outcomes:

1. शुद्ध हिन्दी के प्रयोग में अभिवृद्धि होगी।
2. व्यवसाय एवं रोजगार की उपलब्धता वाले सभी क्षेत्रों में हिन्दी भाषा में निष्णात युवाओं की प्रतिभागिता में अभिवृद्धि होगी।
3. अन्तरराष्ट्रीय स्तर पर हिन्दी-भाषा के वर्चस्व की स्थापना होगी और हिन्दी-भाषी को देश और विदेश में समुचित सम्मान मिलेगा।

इकाई-1

पत्रकारिता का अर्थ, उद्भव और विकास, वर्तमान समय में पत्रकारिता का महत्त्व, हिंदी पत्रकारिता में रोजगार की संभावनाएँ, समाचार लेखन, रिपोर्टिंग, प्रेस विज्ञप्ति, समाचार लेखक की भाषा,

इकाई – II

प्रूफ संशोधन की परिभाषा, प्रूफ शोधक के आवश्यक गुण, प्रूफ के प्रकार, प्रूफ संशोधन के महत्वपूर्ण चिह्न, प्रूफ रीडर के लिए आवश्यक सावधानियाँ, प्रूफ संशोधन में रोजगार,

इकाई— III

साक्षात्कार का अर्थ, परिभाषा एवं स्वरूप: कैरियर में साक्षात्कार कौशल का महत्त्व, समालाप्य की भाषा, सम्प्रेषण: अर्थ, परिभाषा एवं प्रक्रिया: भाषा—संप्रेषण के चरण: श्रवण, अभिव्यक्ति, वाचन, लेखन: सम्प्रेषण को प्रभावी बनाने के नियम

इकाई— IV

जीवन कौशल का अर्थ एवं स्वरूप: जीवन कौशल की विशेषताएँ, जीवन कौशल की आवश्यकता एवं महत्त्व, जीवन कौशल के आधार: स्वावलंबन, सहयोगपूर्ण भावना, समस्या समाधान की योग्यता, ज्ञानार्जन की प्रवृत्ति, कुशाग्रता, चातुर्य, मधुर भाषी, संवेदनशील, स्व-जागरूक, अन्वेषणात्मक दृष्टिकोण, उदात्त सुदृढ़-मनोबल, निश्चयात्मकवृत्ति:

प्रेरणास्पद पुस्तकें :

1. डॉ० हरिश्चन्द्र वर्मा, भाषा और भाषाविज्ञान, लक्ष्मी पब्लिशिंग हाऊस, रोहतक 3.
2. सम्पा० कालिका प्रसाद, राजवल्लभ सहाय, मुकुन्दीलाल श्रीवास्तव, बृहत् हिन्दी कोश: ज्ञानमण्डल लिमिटेड, वाराणसी
3. मुख्य सम्पादक, डॉ० लक्ष्मीनारायण शर्मा, परिशोध, मानव-मूल्य विशेषांक, 1993
4. डॉ० धर्मपाल मैनी, भारतीय जीवनमूल्य, भारतीय संस्कृति संस्थान, गुड़गाँव
5. बृहत् प्रशासन शब्दावली, हिन्दी-अंग्रेजी, वैज्ञानिक तथा तकनीकी शब्दावली आयोग, नई दिल्ली-110

D) VALUE ADDED COURSE (VAC)**SEMESTER - IV****Credits: 2****Theory: 2 Credits**

Course Code	26CLAEEC02OD	Course Credits	L:2 T:0 P:0
Max. Marks	Theory: 50 (Internal: 15. External:35)	Time of end term examination	3 Hours
<i>Note: This Course is in accordance with UGC Curriculum and Guidelines for Life Skills (Jeevan Kaushal) 2.0</i>			
Examiner will be required to set NINE questions in all. Question No. 1 will be compulsory which consists of 12 short-answer type questions each of 2 marks covering the entire syllabus out of which candidate will be required to attempt eight questions. In addition to Q.No.1, candidate will be required to attempt four more questions from the remaining eight questions each carrying 16 marks.			
Learning Objectives: This course aims to help learners: <ul style="list-style-type: none"> • Enhanced Résumé Skills • Confident Interview Skills & Group Discussion Skills • Exploring Career Opportunities • Develop Team Skills 			
Learning Outcomes: Upon completion of the course, participants will demonstrate <ul style="list-style-type: none"> • Preparing a good résumé considering all essential components without error. • Script responses to typical interview questions and Critique the performance of a few simulated interviews. • Explore sources of career opportunities (online/offline), Identify career opportunities in consideration of their own potential and aspirations. • Effective Team Skills 			
Unit – I Résumé Skills & Interview Skills			
Résumé Skills: Preparation and Presentation, Introduction of Résumé and Related Terms; Importance of Preparing a Good Résumé; Difference between a CV, Résumé, and Bio data; Essential Components of a Good Résumé; Résumé Skills: Common Errors;			

Common Errors; Guidelines for Résumé Preparation
<p>Interview Skills: Preparation and Presentation; Meaning of Interview; Types of Interview; STAR Approach for Facing an Interview; Interview Procedure, Do's and Don'ts, Important Questions Generally Asked in a Job Interview; Interview Skills: Common Errors, Common Errors, Interview Questions for Assessing Strengths and Weaknesses; Simulation Job Simulation Formats, Comment Critically on Simulated Interviews; Demonstrate an Ideal Interview</p>
Unit – II Group Discussion Skills & Exploring Career Opportunities
<p>Meaning and Importance of Group Discussion (GD) Meaning of a Group Discussion, Importance of a Group Discussion, Types of Group Discussions. Procedure of a Group Discussion, Methodology, Ground Rules, Stages of group formations, Evaluation of Group Discussion; Group Discussion: Common Errors; Group Discussion: Simulation</p> <p>Process of Career Exploration: Knowing Yourself — Personal Characteristics, Knowledge about the World of Work, Requirements of Jobs Including Self-employment.; Sources of Career Information; Preparing for a Career Based on Potentials of Learners and Availability of Opportunities</p>
Unit – III Team Skills -1
<p>Cognitive and Non-Cognitive Skills: Cognitive Skills: Meaning, types of cognitive skills, and Strategies. Critical Thinking Skills.; Problem-solving Skills; Ability to Learn.</p> <p>Non-cognitive Skills: Meaning, Types of Non-Cognitive skills and Strategies; Empathy; Teamwork; Creativity; Collaboration; Resilience; Interpersonal Skills; Perseverance; Self Control; Social Skill; Peer Pressure; Stress and Stress Management</p> <p>Presentation Skills: Presentation: Meaning and Types - Meaning of Presentation; Types of Presentations, Presentation for Internal and External Communication, Presentation Strategies, Ways to Improve Presentation Skills over Time</p> <p>Trust and Collaboration: Explain the importance of trust in creating a collaborative team, Definition of Trust, Importance of Trust in Creating a Collaborative Team, Strategies to Build Trust with Employees, Criteria for Evaluation of Trust and Collaboration in Teams, Agree to Disagree and Disagree to Agree – Spirit of Teamwork; Understanding Fear of Being Judged and Strategies to Overcome Fear; Understanding the Fear of Being Judged; Signs and Symptoms of Social Anxiety Disorder; Strategies to Overcome Fear or Social Anxiety</p>
Unit – IV Team Skills - II
<p>Listening As a Team Skill: Listening Skill, Advantages of Effective Listening Skills, Types of Listening, Listening as a Team Member and Team Leader, Listening as a Team Leader, Listening as a Team Member, Improving Listening Skills, Uses of Active Listening Strategies to Encourage Sharing of Ideas, The Importance of Active Listening in the Workplace, Strategies for Improving Active Listening Skills to Encourage Sharing of Ideas</p>

Brainstorming: Brainstorming as a Technique to Promote Idea Generation; Brainstorming: The Meaning and Process, Procedure for Conducting Brainstorming, Importance of Using the Brainstorming Technique, Types of Brainstorming, Learning and Showcasing the Principles of Documentation of Team Session Outcomes

Social and Cultural Etiquette: Etiquette: Meaning, Need for Effective Interpersonal Relationships, Aspects of Social and Cultural/Corporate Etiquette in Promoting Teamwork, Social Etiquette, Cultural Etiquette and its role in promoting teamwork, Corporate/Professional Etiquette.

Internal Communication: Internal Communication: Meaning and Need, Meaning, Need for Internal Communication, Use of Various Channels of Transmitting Information to Team Members including Digital and Physical

Suggested Readings & References:

- Lee, K. (2021, February 14). How to Write a Neat Resume. Wikihow. <https://www..com/Write-a-Neat-Resume>
- Indeed. (n.d.). Cover Letter Samples. Indeed. <https://www.indeed.com/career-advice/coverletter-samples>
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SEMESTER - V

A) DISCIPLINE SPECIFIC COURSE (DSC)**SEMESTER – V****English**

Name of Program		Program Code	
Name of the Course	Introduction to Indian Literature in English	Course Code	27ENGM405DS01OD
Hours per Week	04	Credits	04 (L-3 - T-1 - P-0)
Maximum Marks	70+30=100	Time of Examination	3 Hours

Note:

Question No 1 Students shall be required to attempt any four Short notes (100-150) words each out of the **given six** selecting at least one from each unit.

Questions 2, 3, 4 and 5 shall be essay type questions with internal choice.

All questions carry equal marks.

Course Learning Outcomes (CLO):

- CLO 1. Ability to understand Indian writing in English's evolution through convention, experimentation and innovation highlighting the multicultural montage of Indian literature thereby developing Familiarity with the country's rich cultural past and ethos
- CLO 2. Familiarity with the concepts of 'Indianness', nativism, nationalism and Indian sensibility as exemplified in the socio-cultural, historical and linguistic contexts of Indian Literature written/translated in English
- CLO 3. Appreciation of the relevance of prescribed texts in the contemporary Indian literary scenario thereby focusing on the humanistic concern represented through the various works of Indian Writings in English translation.

Unit 1:

Kabir:

- I, I.13. mo ko kahan dhunro bande (O servant, where dost thou seek Me), V, I. 63.
 Avadhu, maya taji na jay (Tell me, Brother, how can I renounce Maya ?) VII, I 85.
 Sadho, Brahm alakh lakhaya(When He Himself reveals Himself) , LXXVIII , III. 63.
 Kahain Kabir, suno ho sadho (Kabir says : “ O Sadhu ! hear my deathless words” from One Hundred Poems of Kabir trans. by Rabindrenath Tagore , Macmillan and Co Ltd.

Unit 2:

Henry Derozio : “The Harp of India “ “Song of Hindustanee Minstrel”
 “ To the Pupils of the Hindu College”” To My Native Land”

Unit 3:

Rabindranath Tagore : “ Where the Mind is Without Fear” “ Leave This
 “ Give me Strength” “ Freedom” by Poemhunter.com - The World's Poetry Archive

Unit 4:

Munshi Premchand : “ Rich Daughter-in-Law “, “ The Thakur’s Well” ,
“The Shroud” from Twenty Four Stories by Prem Chand trans. by Nandini Nopany & P.
Lal

References:

- *Songs of the Saints of India* trans. by Hawley, J.S and Mark Juergensmeyer.
- Indian Writing in English by Iyengar .R.Srinivasa.
- A History of Indian Literature in English by Mehrotra, Arvind Krishna (ed).
- Aspects of Indian Writing in English by Naik, M.K(ed)
- A History of Indian English Literature by Sahitya Akademi.
- Singh, *A Collection of Indian English Poetry* by Radha Mohan Singh (ed)

SEMESTER - V

Hindi

Name of Program		Program Code	
Name of the Course	हिंदी कथा-साहित्य	Course Code	27HNDM405DS01OD
Hours per Week	4	Credits	4
Maximum Marks	100	Time of Examinations	3 Hours

Note:

Examiner will set nine questions and the candidates will be required to attempt five questions in all. Question number one will be compulsory containing short answer type questions from all units. Further, examiner will set two questions from each unit and the candidates will be required to attempt one question from each Unit. All questions will carry equal marks.

Course Learning Outcomes (CLO):

1. कथा-साहित्यके विश्लेषण की पद्धति से अवगत हो सकेंगे।
2. हिंदी कथा-साहित्य के उद्भव और विकास का ज्ञान प्राप्त होगा।
3. प्रमुख हिंदी कथा-साहित्यकारों के माध्यम से सामाजिक समस्याओं से अवगत हो सकेंगे।
4. हिंदी कथा-साहित्य के वाचन, लेखन, व्याख्या, विश्लेषण आदि की समझ विकसित हो सकेगी।

Unit 1:

उपन्यास : स्वरूप और संरचना

हिंदी उपन्यास : उद्भव और विकास

Unit 2:

कहानी : स्वरूप और संरचना

हिंदी कहानी : उद्भव और विकास

Unit 3:

प्रेमचंद- कर्मभूमि

Unit 4:

परदा – यशपाल

गैंग्रीन – अज्ञेय

दिल्ली में एक मौत – कमलेश्वर

दाज्यू – शेखर जोशी

हरी बिंदी – मृदुला गर्ग

References:

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2. आधुनिक हिंदी उपन्यास (संपादक) भीष्म साहनी, भगवती प्रसाद निदारिया, राजकमल प्रकाशन, नई दिल्ली।
3. प्रेमचंद : एक विवेचन – इंद्रनाथ मदान, राजकमल प्रकाशन, नई दिल्ली।
4. कथा विवेचना और गद्य शिल्प – रामविलास शर्मा, वाणी प्रकाशन, नई दिल्ली।
5. आस्था और सौंदर्य – रामविलास शर्मा, राजकमल प्रकाशन, नई दिल्ली।
6. हिंदी उपन्यास – (संपादक) नामवर सिंह, राजकमल प्रकाशन, नई दिल्ली।
7. कहानी : नई कहानी – नामवर सिंह
8. हिंदी कहानी की रचना प्रक्रिया – परमानंद श्रीवास्तव
9. नई कहानी की भूमिका – कमलेश्वर
10. हिंदी कहानी : अंतरंग पहचान – रामदरश मिश्र

SEMESTER - V
Sanskrit

Name of Program	UG MULIDISCIPLINARY	Program Code	
Name of the Course	संस्कृत V	Course Code	27SKTM405DS01OD
Hours per Week	4	Credits	4
Maximum Marks	100	Time of Examinations	3 HOURS
Course Learning Outcomes (CLO): CLO 1: Students will gain the ability to read and understand ‘Abhigyanshakuntalam’ and will be able to discuss the themes, characterisation, cultural and literary significance of this ancient Sanskrit drama. CLO 2: Students will gain a thorough understanding of Sanskrit dramaturgy through the study of Abhigyanshakuntalam. CLO 3: Students will be skilled in interpreting the thematic and symbolic nuances of ‘Abhigyanshakuntalam’, understanding its allegorical and metaphorical elements. CLO 4: Students will be able to critically analyse and articulate insights about the play’s impact on Indian literature and its continued relevance. CLO 5: Students will be able to know the various Sanskrit poets and their plays.			
Unit 1: अभिज्ञानशाकुन्तलम् (1 से 3 अङ्क)			
Unit 2: अभिज्ञानशाकुन्तलम् (4 एवं 5 अङ्क)			
Unit 3: अभिज्ञानशाकुन्तलम् (6 एवं 7 अङ्क)			
Unit 4: अलङ्कार – अनुप्रास, श्लेष, यमक, उपमा, उत्प्रेक्षा, रूपक, अर्थान्तरन्यास, अतिशयोक्ति, विभावना, विशेषोक्ति ।			
प्रथम प्रश्न अनिवार्य है, इसमें सम्पूर्ण पाठ्यक्रम में से 7 वस्तुनिष्ठ प्रश्न पूछे जाएंगे। $7 \times 2 = 14$ शेष प्रश्नों के निर्देश अधोलिखित हैं। यूनिट – 1 (क) 4 में से 2 श्लोकों की सप्रसङ्ग व्याख्या। $2 \times 5 = 10$ (ख) सम्बद्ध अङ्कों के 2 प्रश्नों में से 1 का उत्तर। $1 \times 4 = 04$			

यूनिट – 2

- (क) 4 में से 2 श्लोकों की सप्रसङ्ग व्याख्या। $2 \times 5 = 10$
- (ख) सम्बद्ध अङ्कों के 2 प्रश्नों में से 1 का उत्तर। $1 \times 4 = 04$

यूनिट – 3

- (क) 4 में से 2 श्लोकों की सप्रसङ्ग व्याख्या। $2 \times 5 = 10$
- (ख) सम्बद्ध अङ्कों के 2 प्रश्नों में से 1 का उत्तर। $1 \times 4 = 04$

यूनिट – 4

- (क) 5 में से किन्हीं 3 अलङ्कारों के लक्षण एवं उदाहरण। $3 \times 3 = 09$
- (ख) निर्दिष्ट 2 में से किसी 1 श्लोक के अलङ्कार अथवा अलङ्कारों की स्पष्टीकरण सहित पहचान। $1 \times 5 = 05$

References:

1. संस्कृत साहित्य का इतिहास, डॉ. उमाशङ्कर शर्मा ऋषि, चौखम्बा भारती अकादमी, वाराणसी।
2. अभिज्ञानशाकुन्तलम् – डॉ. कपिलदेव द्विवेदी, विश्वविद्यालय प्रकाशन, वाराणसी।
3. अभिज्ञानशाकुन्तलम्, व्या. सुबोधचन्द्र पन्त, मोतीलाल बनारसीदास, दिल्ली।
4. अभिज्ञानशाकुन्तलम्, व्या. सुरेन्द्रदेव शास्त्री एवं रामनारायण बेनीप्रसाद, इलाहाबाद।
5. Abhijnanasakuntalam, M.R. Kale, MLBD, Delhi.
6. Sanskrit Drama, A.B. Keith, Oxford university press, London.
7. अलङ्कारभूषण, डॉ. कुन्दन कुमार, परिमल प्रकाशन प्रा. लि., दिल्ली।
8. अलङ्कारमञ्जरी, श्रीनारायण शास्त्री खिस्ते, चौखम्बा संस्कृत सिरीज, वाराणसी।

SEMESTER - V
Mathematics

Mathematics			
Name of Program	B.A./B.Sc.	Program Code	UMPS4
Name of the Course	Groups and Rings	Course Code	27MATM405DS01OD
Hours per Week	5	Credits	4
Maximum Marks	100 (75 Theory (50 External + 25 Internal) + 25 Practical)	Time of Examinations	3 Hours
Course Learning Outcomes (CLO)			Mapped PLOs
CLO1 – Demonstrate understanding of the idea of a group, subgroup, cyclic groups, normal groups and quotient groups.			PLO2, PLO1
CLO2 – Understand and apply the concepts of homomorphism, isomorphism, automorphisms and inner automorphisms of a group.			PLO1, PLO2
CLO3 – Use isomorphisms & homomorphisms to study group/ring structure.			PLO1, PLO2
CLO4 – Investigate canonical types: cyclic groups, permutation groups, polynomial & rings.			PLO1
CLO5 – Explore polynomial rings, Euclidean rings, unique factorization domains, and apply Eisenstein’s criterion to study factorization properties over commutative rings.			PLO2
Note: Examiner will set nine questions and the candidates will be required to attempt five questions in all. Question no. 1 will be compulsory containing four short answer type questions from all sections. Further, examiner will set two questions from each section and the candidates will be required to attempt one question from each section. All questions will carry equal marks.			
Section-I Definition of a group with example and simple properties of groups, Subgroups and subgroup criteria, Generation of groups, Cyclic groups, Cosets, Left and right cosets, Index of a subgroup, Coset decomposition, Lagrange’s theorem and its consequences, Normal subgroups, Quotient groups.			
Section-II Homomorphisms, Isomorphisms, Automorphisms and Inner automorphisms of a group, Automorphisms of cyclic groups, Permutations groups, Even and odd permutations, Alternating groups, Cayley’s theorem.			
Section -III Introduction to ring, Subring, Integral domain and field, Characteristics of a ring, Ring homomorphism, Ideals (principle, prime and maximal) and Quotient ring, Field of quotients of an integral domain.			
Section-IV Euclidean ring, Polynomial ring, Polynomials over the rational field, The Eisenstein’s criterion, Polynomial rings over commutative rings, Unique factorization domain, R unique factorization domain implies so is $R[X_1, X_2, \dots, X_n]$.			
<div><div>Practical/ Computational Work (Based on course Groups and Rings)</div><div>Max. Marks : 25</div><div><div>i) Written Practical/ Lab work : 10 Marks</div><div>ii) Viva-voce and practical record: 15 Marks</div><div>Time : 3 Hours</div></div></div>			
There will be five questions in all, and the students must attempt any three questions. The question paper will set on the spot jointly by the internal and external examiners. Distribution of Marks will be as follows: Marks for Question Paper: 10 Marks for Practical Record Book: 05 Marks for Viva-Voce: 10 Total: 25			

List of Practicals

Following is the list of programmes to be performed in the Lab using MATLAB:

1. Group verification (Program to check if a given set with a binary operation forms a group).
2. Verify group properties (Implement functions to check if a given set with an operation satisfy closure, associativity, identity and inverse properties).
3. Cayley table generation (Function to generate the Cayley table for a given group. This table visually represents the results of the group's binary operation on all pairs of elements).
4. Subgroup identification (Algorithm to identify all subgroups of a given group).
5. Cyclic group check (Program to determine if a given group is cyclic).
6. Cyclic group generation (Functions to generate cyclic groups and find their generators).
7. Group isomorphism (Program to determine whether two groups are isomorphic).
8. Ring verification (Program to verify if a given set with two binary operations i.e. addition and multiplication forms a ring).
9. Subgroup and subring test (Functions to verify if a subset is a subgroup or subring of a larger group or ring, respectively).
10. Ring homomorphism (Program to determine if a given mapping between two rings is a ring homomorphism).
11. Ideals in rings (Program to identify ideals in a given ring).
12. Practical based on polynomial rings.
13. Quotient groups and rings (Program to form quotient group and ring with given group and ring).

References:

1. I.N. Herstein, Topics in Algebra, Wiley Eastern Ltd., New Delhi, 1975.
2. P.B. Bhattacharya, S.K. Jain and S.R. Nagpal, Basic Abstract Algebra (2nd edition).
3. Vivek Sahai and Vikas Bist, Algebra, Narosa Publishing House.
4. I.S. Luther and I.B.S. Passi, Algebra, Vol.-II, Narosa Publishing House.

SEMESTER - V
Public Administration

Name of Program	Public Administration	Program Code	USPUB4
Name of the Course	Rural Local Government	Course Code	27PUBM405DS01OD
Hours per Week	04	Credits	4
Maximum Marks	Theory Internal 70 30	Time of Examinations	3 Hours

Note:

Examiner will set nine questions and the candidates will be required to attempt five questions in all. Question number one will be compulsory containing short answer type questions from all units. Further, examiner will set two questions from each unit and the candidates will be required to attempt one question from each Unit. All questions will carry equal marks.

Course Learning Outcomes (CLO):

- CLO-1.** Student acquired knowledge about the evolution of Local Self-Governments in India and the Post-Independence Developments.
- CLO-2.** Students would be able to get knowledge about the features of 73rd Constitutional Amendment Act and working of Gram Sabha, Gram Panchayats and Panchayats Samiti.
- CLO-3.** Students would be able to describe about the working of zila parishad, District Planning Committee, financial resources and government control over Panchayati Raj Institutions.
- CLO-4.** Students would get acquaintance about the latest reforms in the field of Local government.

Unit 1:

Local Government: Meaning, Functions and Significance; Evolution of Local Self Governments in India, Recommendations & Features of Balwant Rai Mehta Committee, 1957, Ashok Mehta Committee, 1978, L.M. Singhvi Committee, 1985.

Unit 2:

Features of 73rd Amendment Act, 1992; Organization and Functions of Gram Sabha & Gram Panchayat, Organization and Functions of Panchayat Samiti and Zila Parishad.

Unit 3:

Financial Resources of Panchayati Raj Institutions; Government Control over Panchayati Raj Institution; Role of Deputy Commissioner, District Development & Panchayat Officer, Block Development & Panchayat Officer in PRIs.

Unit 4:

Panchayat (Extension to Schedule Areas) Act 1996, 2nd Administrative Reform Commission & Local Government, Local Government Reforms in Haryana Panchayati Raj Act, 1994,

Suggested Readings:.

- Brajesh Sharma, Rural Governance, Global Vision Publishing House, New Delhi, 2023.
- Dr. Rakesh Kumar Singh & Souvik Dhar, Local Self-Government including Panchayat Administration, Gogia Law Agency, Hyderabad, 2022.
- Mahi Pal, Rural Local Governance and Development, Sage Publication Pvt. Ltd., New Delhi, 2020.
- S.R. Maheshwari, Local Government in India, Luxmi Narayan Aggarwal, Agra, 2020.
- Anil Kumar Jana, Decentralizing Rural Governance and Development: Perspectives, Ideas and Experiences, Rawat Publication, New Delhi, 2015.
- Bhuvanesh Gupta, Urban Local Government, Wisdom Press, New Delhi, 2014.
- Anjila Bajpai, State Government and Administration, Wisdom Press, New Delhi, 2014.
- Jawahar Lal Gupta, Local Government, Wisdom Press, New Delhi, 2013.
- Pradeep Sachdeva, Local Government in India, Pearson India, UP, 2011.
- Chahar, S.S., Governance at Grassroots Level in India Lok, Kanishka 2009.
- Satyajit Singh, Decentralization: Institutions and Politics in Rural India, OUP India, UP, 2007.
- Manoj Sharma, Local Government: Rural & Urban, Anmol Publication Pvt. Ltd., New Delhi, 2004.

SEMESTER - V
Political Science

Name of Program	UG Multidisciplinary with Hons.	Program Code	
Name of the Course	Comparative Politics-I	Course Code	27POLM405DS01OD
Hours per Week	4	Credits	4
Maximum Marks	100 Internal : 30 External : 70	Time of Examinations	3 Hours

Note:

Examiner will set nine questions and the candidates will be required to attempt five questions in all. Question number one will be compulsory containing short answer type questions from all units. Further, examiner will set two questions from each unit and the candidates will be required to attempt one question from each Unit. All questions will carry equal marks.

Course Learning Outcomes (CLO) are to:

CLO 1: Create a good understanding of the field of comparative politics, including big concepts, and theoretical approaches

CLO2: Understand the meaning of fundamental concepts in comparative political analysis including the state, nations, society, regimes, and multi-level governance

CLO3: Introduce and systemically discuss classical themes and topics of comparative politics including political culture and socialization, political recruitment, interest groups, political parties, government and policy-making.

Unit 1:

Comparative Politics-Definition, Scope; Traditional & Modern Concerns; Comparative Methods.

Unit 2:

Approaches to the Study of Comparative Politics: Input-Output (David Easton), Structural-Function (G. Almond), Political Development, Political Culture (G. Almond).

Unit 3:

Constitutionalism: Nature, Type and Problem in Modern Times

Unit 4:

Constitutional Structure: (a) Formal-Executive, Legislation and Judiciary, (b) Informal Structures– Political Parties and Pressure Groups.

References:

1. G.A. Almond and J.S. Coleman, The Politics of the Developing Areas, Princeton NJ, Princeton University Press, 1960.
2. G.A. Almond, and S. Verba, The Civic Culture : Political Attitudes and Democracy in Five Nations, Princeton NJ, Princeton University Press, 1963.
3. L.J. Cantori and A.H. Zeigler (ed.), Comparative Politics in the Post-Behaviouralist Era, London, Lynne Rienner Publisher, 1988.

4. O. Dunleavy and B.O' Leary, Theories of Liberal Democratic State, London, Macmillan, 1987.
5. R. Hauge and M. Harrop, Comparative Government and Politics. An Introduction, 5th edn., New York, Palgrave, 1001.
6. H. Finer, Theory and Practice of Modern Government, London, Methuen, 1969.
7. J.C. Johari, Comparative Political Theory: New Dimensions, Basic Concepts and Major Trends, New Delhi, Sterling, 1987.
8. K. Kumar, Revolution : The Theory and Practice of a European Idea, London, Weidenfeld and Nicolson, 1971.
9. R.C. Macridis, The Study of Comparative Government, New York, Doubleday, 1955.
10. R.C. Macridis and R.E. Ward, Modern Political Systems : Europe, and Asia, 2nd edn. Englewood Cliffs NJ, Prentice Hall, 1968.
11. J. Manor (ed.), Rethinking Third World Politics, London, Longman, 1991.
12. R.C. Macridis, Modern European Governments : Cases in Comparative Policy - Making, Englewood Cliffs NJ, Prentice Hall, 1968.
13. L.W. Pey (ed.), Communication and Political Development, Princeton NJ, Princeton University Press, 1963.
14. R.I. Rotberg (ed.), Politics and Political Change : A Journal of Inter-Disciplinary Political Science Reader, Massachusetts, MIT Press, 1001.
15. H.J. Wiarda (ed.), New Developments in Comparative Politics, Boulder Colorado, Westview Press, 1986.

SEMESTER - V**History**

Name of the Program	Under Graduate Multidisciplinary with Hons. in One Major Discipline	Program Code	UMBA4
Name of the Course	History of Medieval World	Course Code	27HISM405DS01OD
Hours per week	5	Course Credits	4
Max. Marks	100 {External (term-end exam) – 70} (Internal – 30)	Time of Examination	3 Hours

Note: Examiner will set nine questions and the candidates will be required to attempt five questions in all. Question number one will be compulsory containing short answer type questions from all units. Further, examiner will set two questions from each unit and the candidates will be required to attempt one question from each Unit. All questions will carry equal marks.

Course Learning Outcomes (CLO):

1. Students will be able to get the basic knowledge of the concept of medieval age.
2. Students will be able to understand the origin, development and decline of Feudalism in Europe.
3. Students will be able to get the basic knowledge about the formation of Church and relation of the Church with the State.
4. Students will be able to effectively understand the pre-Islamic society.

Unit - I

1. Concept of Medieval Age: Historical perspective
2. Transition from ancient to medieval Europe; Feudalism: Rise, features and decline
3. Formation of Church; Role of Church; State and Society
4. Technological innovations and Trade, Commerce & Urban centres

Unit – II

1. Pre Islamic Arabia, Prophet Muhammad: Teaching and life
2. State Formation under Islam: Early State under Prophet and Pious Caliphate, Umayyads and Abbasids
3. Society and Economy under Islam: Caliphate to Abbasid
4. Contribution of Islamic Civilization

Unit – III

1. Early Medieval India: Transition from Ancient to Medieval age
2. Advent of Turks in India and its impacts
3. State formation during Medieval India: Nature, Sovereignty, Legitimacy and Administration
4. Urbanization under Medieval India

Unit – IV**Maps:**

1. Trade routes and urban Centres under Medieval Europe
2. Empire under Abbasid
3. Delhi Sultanate under Alauddin Khalji
4. Trade routes and urban Centres during Medieval India
5. Mughal Empire under Akbar

References:

- Balmukund Virotram, Madhyakaleen Europe ka Itihas, Allahabad, 1986
- Boardmann, T., Oxford History of the Classical World, New York, 1972
- Davis, R. H. C., A History of Europe from Constantine to Saint Louis, New York, 1970
- Farooqui, Amar, Prachin aur Madhyakalin Samajik Sanrachana aur Sanskritiya, New Delhi, 2003
- Gourquin, G., Lordship and Feudalism in Middle Ages, New York, 1976
- Holat, P. M., The Cambridge History of Islam Vol. I, Cambridge, 1970
- Kumar, Rakesh, Ancient and Medieval World, New Delhi, 2018
- Lapidus Ira, Muslim Cities in the Later Middle Ages, Cambridge, 1967
- Lynn White Jr., Medieval Technology and Social Change, London, 1964
- Mukhia, Harbans, The Feudalism Debate (also in Hindi), New Delhi, 2000
- P.K. Hitti, History of the Arabs, New Delhi, 1968
- Perry Anderson, Passage from Antiquity to Feudalism, London, 1996
- Pirenne, Henry, Social and Economic History of Medieval Europe, 2009
- Postan, M. M., Medieval Economy and Society, London, 1970
- Postan, M. M., Medieval Trade and Finance, Cambridge, 2002
- Sahu, K. P., Islam : Udbhav aur Vikas, New Delhi, 1992

Note: In addition, students are advised to consult the current Research Journal of History.

B) MINOR VOCATIONAL COURSES (MVC)**SEMESTER – V****English**

Name of Program		Program Code	
Name of the Course	Fundamentals of Content Writing	Course Code	27ENG405MV01OD
Hours per Week	04	Credits	04 (L- 4-T- 0-P- 0)
Maximum Marks	70+30=100	Time of Examination	3 Hours

Note:

Question No 1 Students shall be required to attempt any four Short notes (100-150) words each out of the **given six** selecting at least one from each unit.

Questions 2, 3, 4 and 5 shall be essay type questions with internal choice.

All questions carry equal marks.

Course Learning Outcomes (CLO):

- | | |
|--------------|--|
| CLO 1 | Understanding of the principles of effective communication and their application to written content will be developed |
| CLO 2 | Proficiency in various writing styles and formats such as articles, website content, social media posts, blog posts etc. will be developed |
| CLO 3 | Students will be able to build a portfolio of diverse writing samples that will showcase their skills and attract potential clients or employers |
| CLO 4 | Understanding of legal and ethical considerations related to content creation, including copyright, plagiarism etc. will be developed |

Unit 1:**Basics of Content Writing**

1. The Concept of Content Writing and its relevance
2. Role and Functions of Content Writers
3. Print and Web Content Writing
4. Scope and Types of Content Writing
5. Principles and processes of content writing

Unit 2:**Types of Content Writing**

1. The process of Content Writing—getting the brief, ideating, researching, structuring, formatting

<ol style="list-style-type: none"> 2. Editing and Proof-Reading, market research 3. Advertising, Newspapers 4. Writing blogs, case studies 5. Corporate Communications -- Writing for business to business (B2B), business to consumer (B2C), press releases, newsletters
<p>Unit 3:</p> <p>A. Visual Content</p> <ol style="list-style-type: none"> 1. Infographics-Importance and relevance 2. Images, Screenshots 3. Videos, Memes <p>B. Interactive Content</p> <ol style="list-style-type: none"> 1. Quizzes 2. Polls
<p>Unit 4:</p> <p>Tools of the Trade</p> <p>A. Social Media</p> <p>Understanding the basics of social media</p> <p>Understanding social media content writing</p> <p>B. Plagiarism laws in Content Writing</p> <p>What is plagiarism, rules on plagiarism</p> <p>How to write plagiarism-free copies</p>
<p>References:</p> <p><i>Content Writing Step-by-step.</i> Robinson Joseph. Amazon digital services LLC--KDP print US, 2020.</p> <p><i>Creative Writing: A Beginner's Manual</i> by Delhi University (Author) -Paperback 1</p> <p><i>Writing for the Web: Creating Compelling Web Content Using Words, Pictures, and Sound.</i> Feldar, Lynda. New Riders, CA, USA.</p> <p><i>Clout: The Art and Science of Influential Web Content.</i> Jones, Colleen. New Riders, CA, USA.</p> <p><i>Letting Go Of The Words : Writing Web Content That Works.</i> Redish, Janice. Morgan Kaufmann.</p> <p><i>How To Write Great Website Content in 2019.</i> Williams, Andy. Independently published. 2019.</p> <p><i>Mobile Usability.</i> Nielsen, Jakob and Budiou, Raluca.</p>

The power of Content Writing by Devanshi Sharma. Mithaas (India) 2024.

Content Writing Handbook by Kounal Gupta. 2020.

Mastering Content Writing by Aritri Raha. Writer's Pocket. 2023

Content Rules: how to create killer blogs, podcasts, videos, Ebooks, webinars (and more) that engage customers and ignite your business. by Ann Handley and C.C. Chapman. 2012.

Blog Writing: The Content Creation Blueprint. James, Anthony. Amazon digital services. 2018.

Six-Figure Blogging Blueprint by Raza Imam

McGraw-Hill's Proofreading Handbook by Laura Anderson

Quick Guide to Proofreading | What, Why and How to Proofread by Shona McCombers. 2019. Revised in 2023

Business Communication by Hori Sankar Mukerjee , OUP . 2016.

The Advertising Handbook by Sean Brierley, Jonathan Hardy, Iain Macrury and Helen Powell. Routledge. 2018.

The Power of Visual Storytelling by Ekaterina Walter and Jessica Gioglio

Infographics: The Power of Visual Storytelling. By Jason Lankow, Josh Ritchie and Ross Crooks. Wiley Publishers. 2012

Visual Content Marketing: Leveraging Infographics, Video and Interactive Media to Attract and Engage Customers. By Stephen Gamble. 2016

2 Types of Visual Content and How They Can Enhance Your Marketing Efforts by Amy Sorter

The Power of Visuals in Blogging: How to Use Images, Videos, and Infographics to Enhance Your Content by AI Contentfy team

Understanding Social Media. by Sam Hinton and Larissa Hjorth. 2013.

The Social Media Bible by Lon Safko

The Art of Social Media: power tips for power users by Guy Kawasaki and Peg Fitzpatrick. 2014.

The Sage Handbook of Social Media. First Edition. Edited by Jean Burgess, Alice Marwick and Thomas Poell

YouTube Video URL List:

<https://youtu.be/u3jVX2EOMIU>

<https://youtu.be/Fc3nABpdrJA>

https://youtu.be/A6_7zC0mB9w

https://youtu.be/uOXf_d5Mgig

Feldar, Lynda. *Writing for the Web: Creating Compelling Web Content Using Words, Pictures, and Sound*. New Riders,CA,USA.ISBN-13: 978-0321794437, ISBN-10: 9780321794437.

James, Anthony. *Blog Writing : The Content Creation Blueprint*. (Amazon digital services)

Jones, Colleen. *Clout: The Art and Science of Influential Web Content*. New Riders, CA,USA.ISBN-13: 978-0321733016,ISBN-10: 0321733010.

Nielsen, Jakob and Budi, Raluca. *MobileUsability*. NewRiders,CA,USA.ISBN-13:978-0321884480,ISBN-10: 0321884485.

Redish, Janice. *Letting Go Of The Words: Writing Web Content That Works*. Morgan Kaufmann. ISBN:0123859301.

Robinson Joseph. *Content Writing Step-by-step*. Amazon digital services LLC--KDP printUS, 2020.ISBN: 9798603871929.

Williams, Andy. *How To Write Great Website Content in 2019*. Independently published.ISBN:1731384467.

SEMESTER - V

Hindi

Name of Program	Not to be filled	Program Code	Not to be filled
Name of the Course	हिंदी सिनेमा : व्यावसायिक संदर्भ	Course Code	27HND405MV01OD
Hours per Week	04	Credits	04
Maximum Marks	100	Time of Examinations	03 Hours
Note: Examiner will set nine questions and the candidates will be required to attempt five questions in all. Question number one will be compulsory containing short answer type questions from all units. Further, examiner will set two questions from each unit and the candidates will be required to attempt one question from each Unit. All questions will carry equal marks.			
Course Learning Outcomes (CLO): हिंदी सिनेमा की सैद्धांतिक एवं व्यावहारिक समझ विकसित होगी। हिंदी सिनेमा की विकास-यात्रा के विभिन्न चरणों से परिचित होंगे। हिंदी सिनेमा में निहित समाज एवं संस्कृति के अंतर्संबंधों के विश्लेषण में समर्थ होंगे। हिंदी सिनेमा और उसके माध्यम से रोजगार से परिचित होंगे।			
Unit 1: हिंदी सिनेमा : सामान्य परिचय हिंदी सिनेमा का स्वरूप हिंदी सिनेमा के प्रमुख चरण मूक सिनेमा, सवाक सिनेमा, रंगीन सिनेमा, ओटीटी सिनेमा सिनेमा के प्रकार लोकप्रिय व्यावसायिक सिनेमा, समानांतर कला सिनेमा, क्षेत्रीय सिनेमा, विश्व सिनेमा			
Unit 2: हिंदी सिनेमा का बाजार सिनेमा : कला अथवा उत्पाद तकनीक और ब्रांड का बाजार गीत और संगीत का बाजार विश्व बाजार में भारतीय सिनेमा			

Unit 3: सिनेमा का बदलता स्वरूप

स्वतंत्रतापूर्व हिंदी सिनेमा एवं मूल्यबोध

स्वातंत्र्योत्तर हिंदी सिनेमा सामाजिक—सांस्कृतिक, राष्ट्रीय और आर्थिक परिप्रेक्ष्य

वैश्वीकरण और हिंदी सिनेमा रीमेक सिनेमा, सौ करोड़ी सिनेमा, बायोपिक सिनेमा, सीक्वल सिनेमा

क्षेत्रीय सिनेमा का वैश्विक बाजार

Unit 4: फिल्मों का (सामाजिक, राजनीतिक, आर्थिक, सांस्कृतिक आदि दृष्टियों से) अध्ययन

पूरब और पश्चिम

मेरा नाम जोकर

जंजीर

दिलवाले दुल्हनिया ले जाएंगे

दंगल

बॉर्डर

विशेष: उपरोक्त में से कुछ फिल्मों तीन वर्ष के अंतराल पर अकादमिक परिषद की सहमति से बदली जा सकती हैं।

References 1. मृत्युंजय हिंदी सिनेमा के सौ बरस, शिल्पायन प्रकाशन, दिल्ली।

2. चड्ढा, मनमोहन, हिंदी सिनेमा का इतिहास, सचिन प्रकाशन, नई दिल्ली।

3. बिसारिया, डॉ. पुनीत, भारतीय सिनेमा का सफरनामा, अटलांटिक पब्लिशर्स एंड डिस्ट्रीब्यूटर्स, नई दिल्ली।

4. ब्रह्मात्मज, अजय, सिनेमा की सोच, वाणी प्रकाशन, दिल्ली।

5. दास, विनोद, भारतीय सिनेमा का अंतःकरण, मेधा बुक्स, शहादरा, दिल्ली।

6. ओझा, अनुपम, भारतीय सिनेमा सिद्धांत, राधाकृष्ण प्रकाशन, दिल्ली।

7. राय, अजित, बॉलीवुड की बुनियाद, वाणी प्रकाशन, दिल्ली।

8. सिंह, जय, सिनेमा बीच बाजार, सामयिक प्रकाशन, दिल्ली।

SEMESTER - V
Mathematics

Name of Program	B.A. / B.Sc.	Program Code	Not be filled
Name of the Course	Mathematical Computing using MATLAB	Course Code	27MAT405MV01OD
Hours per Week	06 Hours	Credits	04 Credits
Maximum Marks	100 (50 Theory (35 External + 15 Internal) + 50 Practical)	Time of Examinations	03 Hours
Course Learning Outcomes (CLO)			Mapped PLOs
CLO1: Understand MATLAB basics including variables, data types, vectors, matrices, loops, and conditional statements			PLO7, PLO9
CLO2: Solve linear systems using matrix factorizations and compute eigenvalues and eigenvectors			PLO1, PLO2, PLO9
CLO3: Represent and analyze polynomials, perform curve fitting, and apply convolution and partial fraction techniques			PLO1, PLO3, PLO9
CLO4: Apply various interpolation methods for one-dimensional and multidimensional data, including scattered data interpolation			PLO1, PLO2, PLO9
CLO5: Solve different types of mathematical problems using MATLAB			PLO2, PLO6, PLO9
Note:			
Examiner will set nine questions and the candidates will be required to attempt five questions in all. Question No. 1 will be compulsory containing four short answer type questions from all sections. Further, examiner will set two questions from each section and the candidates will be required to attempt one question from each Section. All questions will carry equal marks.			
Section 1:			
Introduction to MATLAB Programming: Basics of MATLAB programming, Variables and assignments, Data types, Operators, Working with complex numbers, Introduction to vectors in MATLAB: Defining a Vector, Accessing elements within a vector, Basic operations on vectors, Cell array, Creating cell array, Defining Matrices, Matrix functions, Matrix operations, Loops: For loops, While loops, Branching (conditional statements) - if statement, If else statement, Else if statement.			
Section 2:			
Solving Linear Systems of Equations, Inverse, Determinants, Cholesky Factorization, LU Factorization, QR Factorization, Eigenvalues, Eigen Vectors			
Section 3:			
Polynomials: Representing Polynomials, Polynomial roots, Characteristics, Evolutions, Convolution and deconvolution, Polynomial Derivatives, Curve Fitting, Partial Fraction Expansion			
Section 4:			
Interpolation: Definition, 1-D Interpolation, 2-D Interpolation, Comparing Interpolation Methods, Interpolation and Multidimensional Arrays, Triangulation and Interpolation of Scattered Data, Tessellation and Interpolation of Scattered Data, Higher Dimensions			

Part-B (Practical)

Max. Marks : 50

i) Written Practical/ Lab work : 20 Marks

ii) Viva-voce and practical record: 30 Marks

Time : 3 Hours

There will be five questions in all, and the students must attempt any three questions. The question paper will set on the spot jointly by the internal and external examiners.

Distribution of Marks will be as follows:

Marks for Question Paper:	20
Marks for Practical Record Book:	10
Marks for Viva-Voce:	20
Total:	50

List of the Practical

1. Create a random matrix of size 5X5 with normalized values.
2. Create Unit Matrix, Magic Matrix, identity matrix and Matrix with all zeros in MATLAB
3. Find the transpose, inverse and determinant of a matrix in MATLAB
4. Find the Eigen values of the matrix using MATLAB
5. Find the roots of the equations using MATLAB.
6. Write a script file to show the use of if else structure in MATLAB.
7. Write a script file to show the use of FOR loop in MATLAB.
8. Solving a linear system of equations in MATLAB
9. Solving Cholesky factorization for symmetric, positive definite matrices in MATLAB.
10. Solving LU factorization (Gaussian elimination) for general square matrices in MATLAB.
11. Solving QR (orthogonal) for rectangular matrices in MATLAB.
12. Solving MATLAB functions for polynomial operations, such as polynomial roots, evaluation, and differentiation.
13. Perform polynomial curve fitting using MATLAB
14. Perform 1-D interpolation using MATLAB.
15. Perform 2-D interpolation using MATLAB.

References:

1. 1. Amos Gilat, MATLAB An Introduction With Applications 5ed, Publisher: Wiley.
2. C. F. Van Loan and K.-Y. D. Fan., Insight through Computing: A Matlab Introduction to Computational Science and Engineering, SIAM Publication, 2009.
3. Y.Kirani Singh, B.B. Chaudhari, MATLAB Programming, PHI Learning, 2007.
4. KristerAhlersten, An Introduction to Matlab, Bookboon.com. RudraPratap, Getting Started with MATLAB, Oxford University Press.
5. Tobin A., Learning MATLAB, Delaware Society for Industrial and Applied Mathematics, Driscoll University of Delaware, Newark.
6. https://www.math.stonybrook.edu/~bishop/classes/math331.F17/Learning_MATLAB.pdf

SEMESTER - V**Sanskrit**

Name of Program	Not to be filled	Program Code	Not to be filled
Name of the Course	योग दर्शन	Course Code	27SKT405MV01OD
Hours per Week	4	Credits	4
Maximum Marks	100	Time of Examinations	3 Hours

Note:

Examiner will set nine questions and the candidates will be required to attempt five questions in all. Question number one will be compulsory containing short answer type questions from all units. Further, examiner will set two questions from each unit and the candidates will be required to attempt one question from each Unit. All questions will carry equal marks.

Course Learning Outcomes (CLO):

CLO 1: The students will be able to gain knowledge about the various acharyas and their literature..

CLO 2: The students will be able to understand the basic concepts of Yoga philosophy.

CLO 3: Students will be able to articulate the key philosophical concepts of Yoga as presented in the Yogadarshan written by Maharshi Patanjali.

Unit 1:

योगदर्शन के आचार्य एवं ग्रन्थ

Unit 2:

योग की परिभाषा, चित्तभूमियाँ, चित्तवृत्तियाँ, पञ्चकलेश, ईश्वर

Unit 3:

योगाङ्ग – यम, नियम, आसन, प्राणायाम, प्रत्याहार, धारणा, ध्यान एवं समाधि

Unit 4:

प्रमुख सूत्रों का कंठस्थीकरण एवं लेखन (पाठ्यक्रम में निर्धारित सिद्धान्तों से सम्बद्ध)

References:

1. पातञ्जलयोगसूत्रम् (व्यासभाष्यम्) – व्या. ब्रह्मलीन मुनि।
2. पातञ्जलयोगसूत्रम् (व्यासभाष्यम्) – व्या. सुरेशचन्द्र श्रीवास्तव
3. पातञ्जलयोगसूत्रम् (व्यासभाष्यम्) – व्या. आचार्य राजवीर शास्त्री
4. व्याख्याकारों की दृष्टि में पातञ्जल योगदर्शन – विमला कर्णाटक
5. The Yogasystem of Patanjali – J.H. Woods.

SEMESTER - V
Economics

Name of Program	UG	Program Code	
Name of the Course	Industrial Economics	Course Code	27ECO405MV01OD
Hours per Week	4	Credits	4
Maximum Marks	Total Theory Internal 100 70 30	Time of Examinations	3

Note:

Examiner will set nine questions and the candidates will be required to attempt five questions in all. Question number one will be compulsory containing short answer type questions from all units. Further, examiner will set two questions from each unit and the candidates will be required to attempt one question from each Unit. All questions will carry equal marks.

Course Learning Outcomes (CLO):

CLO 1 : Student are able to have a knowledge regarding have a basic understanding of Industrial Sector.

CLO 2: students are aware of the current challenges faced by Indian Industry

CLO 3: students are able to enhance knowledge about the industrial location policy of India

Unit 1:

Definition: Nature and Scope of industrial Economics. History and development of Industrial Economics. Basic Concepts: Firm industry, Market, Market structure, Market power, passive and active behavior of the firm.

Unit 2:

Conceptual framework for the study of Industrial Economics. Organizational form and alternative motives of the firm. Industrial efficiency and technical efficiency. Optimum size of the firm. Growth of the Firm: Acquisition, diversification, merger constraints on Growth: demand, managerial and financial.

Unit 3:

Market Structure: Seller's concentration; product differentiation; entry conditions and economics of scale. Advertising strategy: The determinates of Profitability.

Unit 4:

Theories of Industrial Location: Factors affecting location; contributions of weber and Sargent Florance. Location policy in India since Independence, Industrial concentration and dispersal in India.

References:

- Martin, Stephen(1989) : Industrial Economics : Economic Analysis and Public Policy. Macmillan Publishing Co., New York.
- Clarke, R (1985) : Industrial Economics, Blackwell Publishers, Oxford
- Shepherd, William G (1990) : The Economics of Industrial Organization Prentice Hall, New Jersey (3rd Ed.)
- Scherer, F M & Ross, David (1990) : Industrial Market Structure and Economic Performance, (3rd Ed.) Houghton Mifflin Company, Boston
- Koutsonyiannis (1979) : Modern Micro-economics. Macmillan, London
- Bains, J S (1959): Industrial Organization. University of California
- Waldman, Don E & Jensen, Elizabeth J (2005): Industrial Organization: Theory and Practice (2nd Edition) Pearson Education, Inc.
- Hay and Morris (1998): Industrial Economics (2nd ed.) Oxford University Press, London

Semester - V
Public Administration

Name of Program	Public Administration	Program Code	UMBA4
Name of the Course	Health Administration: Policy & Programs	Course Code	27PUB405MV01OD
Hours per Week	04	Credits	4
Maximum Marks	Theory 70 Internal 30	Time of Examinations	3 Hours

Note:

Examiner will set nine questions and the candidates will be required to attempt five questions in all. Question number one will be compulsory containing short answer type questions from all units. Further, examiner will set two questions from each unit and the candidates will be required to attempt one question from each Unit. All questions will carry equal marks.

Course Learning Outcomes (CLO):

CLO 1: To apprise the students about the National health policy and national Ayush mission.

CLO 2: To impart knowledge about the National Urban and rural health mission and ICDS.

CLO 3: To develop understanding about the National family Planning program, Mission Indradhanush, PM Surakshit Matritav Abhiyaan & Janani Suraksha Yojana

CLO 4: To acquaint the students about the Pradhan Mantri Jan Arogya Yojana, National AIDS control Program & PM Swasthya Suraksha Yojana

Unit 1:

National Health Policy, 2017 - Objectives, Principles & Challenges

National AYUSH Mission- Objectives, Components & Challenges

Role of WHO's Health Guidelines in National Health Policy.

Unit 2:

Integrated Child Development Services (ICDS) -salient features, objectives, contributions & Problems

National Rural Health Mission (NRHM) - salient features, objectives, contributions & Problems

National Urban Health Mission (NUHM) - salient features, objectives, contributions & Problems

Unit 3:

National Program for family Planning - Salient features, Objectives & Limitations

PM Surakshit Matritav Abhiyaan- Salient features, Objectives & Limitations

Janani Suraksha Yojana- Salient features, Objectives & Limitations

Mission Indradhanush- Salient features, Objectives & Limitations

Unit 4:

Pradhan Mantri Jan Arogya Yojana (PM-JAY) - Salient features, Objectives & Limitations

National AIDS control Program - Salient features, Objectives & Limitations

PM Swasthya Suraksha Yojana- Salient features, Objectives & Limitations

Suggested Readings:

- National Health Policy, 2017, Ministry of Health & Family welfare, GOI.
- National AYUSH Mission, Ministry of AYUSH, 2017
- Supporting national health policies, strategies, plans , WHO Guidelines
- Integrated Child Development Services (ICDS), Women & Child Development Department, GOI
- National Rural Health Mission (NRHM), National Health Mission, Ministry of Health and Family Welfare (MOHFW), GOI
- National Urban Health Mission (NUHM) , National Health Mission, Ministry of Health and Family Welfare (MOHFW), GOI
- National Program for family Planning, National Health Mission, Ministry of Health and Family Welfare (MOHFW), GOI
- PM Surakshit matritav Abhiyaan, Ministry of Health and Family Welfare (MOHFW), GOI
- Janani Suraksha Yojana, National Health Mission, Ministry of Health and Family Welfare (MOHFW), GOI
- Mission Indradhanush, Ministry of Health and Family Welfare (MOHFW), GOI, 2016
- Pradhan Mantri Jan Arogya Yojana (PM-JAY) , National Health Authority, Ministry of Health and Family Welfare (MOHFW), GOI
- National AIDS control Program, National AIDS control Organisation, Ministry of Health and Family Welfare (MOHFW), GOI
- PM Swasthy Suraksha Yojana, Ministry of Health and Family Welfare (MOHFW), GOI

SEMESTER - V
Political Science

Name of Program		Program Code	
Name of the Course	International Politics -I	Course Code	27POL405MV01OD
Hours per Week	4	Credits	4
Maximum Marks	100 External: 70 Internal : 30	Time of Examinations	3 Hours
Course Learning Outcomes (CLO) are to: CLO 1: Understand the abstract theory and methodology to grasp and evaluate global political significant events CLO2. Grasp normative assumptions inherent in analytical expositions CLO3. Analyze the major issues in world today and its complexities CLO4. Develop sense of some important theoretical approaches to understand international relations CLO5. Comprehend and critically examine the major trends and issues in international relations			
Unit 1: Definition, Nature, Scope and Development of International Relations, Autonomy Debate regarding International Relations.			
Unit 2: Approaches and Theories:- a) Idealist Approach b) Realist Approach c) Systems Approach d) Marxian Approach			
Unit 3: National Power: Definition, Elements and Assessment, Limitations on National Power: International Law, International Morality and World Public Opinion			
Unit 4: Balance of Power, Collective Security.			
References: 1. John, Baylis and Steve Smith, <i>Globalization of World Politics</i> , Oxford, London, 1997. 2. P.Allan and K. Goldman (eds.), <i>The End of the Cold War, Dordrecht</i> , MartinusNijhoff, 1992. 3. S. Burchill et. al., <i>Theories of International Relations</i> , Hamsphire, Macmillan, 2001. 4. S.H. Hoffman, <i>Essays in Theory and Politics of International Relations</i> , Boulder Colorado, Westview Press, 1989. 5. M.P. Sullivan, <i>Theories of International Politics: Enduring Paradigm ina Changing World</i> , Hamsphire, Macmillan, 2001.			

SEMESTER - V**History**

Name of the Program	Under Graduate Single Major Programme	Program Code	USHIS4
Name of the Course	<u>Field Archaeology</u>	Course Code	27HIS405MV01OD
Hours per week	4	Course Credits	4
Max. Marks	100 {External (term-end exam) – 70} (Internal – 30)	Time of Examination	3 Hours
<p>Note: Examiner will set nine questions and the candidates will be required to attempt five questions in all. Question number one will be compulsory containing short answer type questions from all units. Further, examiner will set two questions from each unit and the candidates will be required to attempt one question from each Unit. All questions will carry equal marks.</p>			
<p>Course Learning Outcomes (CLO):</p> <ol style="list-style-type: none"> 1. Students will be able to get the knowledge of field archaeology. 2. Students will be able to understand the aims and objectives of the excavation. 3. Students will be able to get basic knowledge of chemical treatment of archaeological finds. 4. Students will be able to effectively understand the relevance of archaeology for Society. 			
Unit - I			
<ol style="list-style-type: none"> 1. Definitions and Scope of Archaeology 2. Relationship of Archaeology with Social-Sciences 3. Relationship of Archaeology with Pure-Sciences 4. Forms of Archaeological data 			
Unit – II			
<ol style="list-style-type: none"> 1. Aims and Methods of Exploration 2. Aims and Methods of Excavation 3. Importance of Stratigraphy in Archaeological Context 4. Recording of Excavated Finds 			
Unit – III			
<ol style="list-style-type: none"> 1. Methods of Relative Dating 2. Methods of Absolute Dating 3. Archaeological Photography 4. Archaeological Drawing 			

Unit – IV

1. Chemical Treatment of Archaeological Finds
2. Preservation of Archaeological Finds
3. Threats of Archaeological Sites
4. Archaeology and Public Awareness

References:

- Agrawal, D. P. and M. D. Yadav, Dating the Human Past, Indian Society for Prehistoric Studies, Pune, 1995
- Atkinson, R. J. C., Field Archaeology, London, 1961
- Chakrabarti, D. K., A History of Indian Archaeology, New Delhi, 1988
- Child, V. G., Piecing together the Past, London, 1966
- Choubey, Ramesh, Puratatvik Manav Vigyan, Bhopal, 2007
- Crawford, O. G. S. Archaeology in the Field, New York, 1960
- Daniel, Glyn, The Origins and Growth of Archaeology, UK, 1967
- Drewet, Peter L., Field Archaeology : An Introduction, London, 1999
- Kenyon, K. M., Beginnings in Archaeology, London, 1961
- Krishnamurthy, K., Introducing Archaeology, New Delhi, 1995
- Pandey, J. N., Puratatva Vimarsha, Allahabad, 2002
- Pandey, R. P., Bhartiya Puratattva, Bhopal, 1989
- Plenderleith, H. J., The conservation of Antiquities and works of Art, London, 1974
- Raman, K. V., Principles and Methods of Archaeology, Madras, 1986
- Singh, Madanmohan, Puratattva ki Ruparekha (in Hindi), New Delhi, 1981
- Srivastava, K. M., New Era of Indian Archaeology, New Delhi, 1982
- Thapalyal, K. K. and S. P. Shukla, Puratattva Praveshika, Lucknow, 1999
- Wheeler, R. E. M., Archaeology from the Earth, London, 1963
- Wheeler, R. E. M., Prithvi Se Puratattva, New Delhi, 1968

Note: In addition, students are advised to consult the current Research Journal of History.

SEMESTER - VI

A) DISCIPLINE SPECIFIC COURSE (DSC)**SEMESTER – VI**

English

Name of Program		Program Code	
Name of the Course	Modern British Poetry (Yeats To Larkin)	Course Code	27ENGM406DS01OD
Hours per Week	04	Credits	04 (L-3 - T-1 - P-0)
Maximum Marks	70+30=100	Time of Examination	3 Hours

Note:

Question No 1 Students shall be required to attempt any four Short notes (100-150) words each out of the **given six** selecting at least one from each unit.

Questions 2, 3, 4 and 5 shall be essay type questions with internal choice.

All questions carry equal marks.

Course Learning Outcomes (CLO):

CLO 1. Capability to understand the impact of modernist movements on poetry, with a focus on experimentation, fragmentation, and a departure from traditional forms

CLO 2. Understanding the historical context of the initial troubled decades of the 20th century, particularly the impact of the two World Wars on literature and society

CLO 3. Skills of close reading, critical analysis, and interpretation of complex poetic forms and styles will be enhanced

Unit 1:

W.B. Yeats “Easter 1916”
 “The Second Coming”
 “Sailing to Byzantium”
 “No Second Troy”

Unit 2:

T.S. Eliot “The Love Song of J. Alfred Prufrock”

Unit 3:

W.H. Auden “September 1, 1939”
 “O What is that Sound?”
 “Musee des Beaux Arts”
 “The Unknown Citizen”

Unit 4:

Philip Larkin “Poetry of Departure”
 “Ambulances”
 “Going Going”
 “Show Saturday”

References:

Modern British Poetry by James Reeves

Philip Larkin: The Poet’s Plight by Maeve Brennan

T. S. Eliot’s The Wasteland: A Critical Commentary by M.A.R. Habib

T.S. Eliot: The Design of His Poetry by Reuben Brower

The Art of Poetry by Kenneth Rexroth

The Cambridge Companion to W.B. Yeats edited by Marjorie Howes and John Kelly

The Making of a Poem: A Norton Anthology of Poetic Forms by Mark Strand and Eavan Boland

The Oxford Companion to Modern Poetry by Jeremy Noel-Tod

W.B. Yeats: A Critical Introduction by Terry Eagleton

W.H. Auden: In the Autumn of the Age of Anxiety by Alan Jacobs

W.H. Auden: The Life of a Poet by Charles Osborne

SEMESTER - VI**Hindi**

Name of Program		Program Code	
Name of the Course	साहित्य चिंतन	Course Code	27HNDM406DS01OD
Hours per Week	4	Credits	4
Maximum Marks	100	Time of Examinations	3 Hours

Note:

Examiner will set nine questions and the candidates will be required to attempt five questions in all. Question number one will be compulsory containing short answer type questions from all units. Further, examiner will set two questions from each unit and the candidates will be required to attempt one question from each Unit. All questions will carry equal marks.

Course Learning Outcomes (CLO):

विद्यार्थी साहित्य की आधुनिक विधाओं से परिचित हो सकेंगे।
साहित्य के अवधारणामूलक पदावली का ज्ञान प्राप्त हो सकेगा।

Unit 1:

काव्य की प्रमुख आधुनिक विधाओं का सामान्य परिचय
आख्यानपरक कविता
प्रगीतात्मक कविता
मुक्तछंद, छंदमुक्त कविता
नवगीत

Unit 2:

: गद्य की प्रमुख आधुनिक विधाओं का सामान्य परिचय
उपन्यास
कहानी
नाटक
निबंध
अन्य गद्य विधाएँ – आत्मकथा, जीवनी, संस्मरण, रेखाचित्र, यात्रा वृत्तांत, डायरी।

Unit 3:

आलोचना के अवधारणात्मक पदों का सामान्य परिचय— ।

लोकमंगल की अवधारणा

पुनर्जागरण

आधुनिकता और आधुनिकता बोध

अनुभूति की प्रामाणिकता

Unit 4:

आलोचना के अवधारणात्मक पदों का सामान्य परिचय— 2

बिंब, प्रतीक और मिथक

विसंगति

विडंबना

References:

1. अमरनाथ, डॉ., हिंदी आलोचना की पारिभाषिक शब्दावली, राजकमल प्रकाशन, नई दिल्ली ।
2. सिंह, डॉ. बच्चन, हिंदी आलोचना के बीज शब्द, वाणी प्रकाशन, नई दिल्ली ।
3. सिंह, डॉ. नामवर, कविता के नए प्रतिमान, राजकमल प्रकाशन, नई दिल्ली ।
4. शुक्ल, आचार्य रामचंद्र, चिंतामणि (भाग 1 एवं 2), लोकभारती प्रकाशन, प्रयागराज ।
5. वर्मा, धीरेंद्र, हिंदी साहित्य कोश (भाग—1, पारिभाषिक शब्दावली), ज्ञानमंडल लिमिटेड, वाराणसी ।
6. अवरुथी, मोहन, आधुनिक हिंदी काव्य—शिल्प, हिंदी परिषद प्रकाशन, प्रयागराज ।

SEMESTER - VI

Sanskrit

Name of Program	UG MULIDISCIPLINARY	Program Code	
Name of the Course	संस्कृत VI	Course Code	27SKTM406DS01OD
Hours per Week	4	Credits	4
Maximum Marks	100	Time of Examinations	3 HOURS
Course Learning Outcomes (CLO):			
CLO 1: Students will gain a thorough understanding of the core principles philosophies and literary styles present in the Vedas, Upanishads and Vedangas.			
CLO 2: Students will be able to articulate the historical and cultural significance of Vedic literature and their impact on Indian religious and philosophical thought.			
CLO 3: Students will develop a comprehensive understanding of Shrimadbhagavadgita's teachings. They will be equipped to analyse its philosophical dialogues and apply its ethical principles to contemporary issues.			
CLO 4: Students will be able to understand the different types of alankaras and understanding their effect on the aesthetic quality of the texts.			
CLO 5: Students will demonstrate proficiency in composing essays in Sanskrit, showing clarity, coherence and appropriate use of literary styles and structures. They will be able to articulate complex ideas effectively in written Sanskrit.			
Unit 1:			
वैदिक-साहित्य (सामान्य परिचय)			
(क) संहिता – ऋग्वेद, यजुर्वेद, सामवेद, अथर्ववेद संहिताओं का काल एवं वर्ण्यविषय।			
उपनिषद् – प्रमुख उपनिषदों का सामान्य परिचय।			
(ख) वेदाङ्ग – शिक्षा, कल्प, व्याकरण, निरुक्त, छन्द, ज्योतिष का सामान्य परिचय।			
Unit 2:			
श्रीमद्भगवद्गीता (द्वितीय अध्याय)			
Unit 3:			
संस्कृत के नाटककार एवं उनकी नाट्यकृतियाँ – भास, कालिदास, शूद्रक, भट्टनारायण, भवभूति, विशाखदत्त, श्रीहर्ष।			
Unit 4:			
संस्कृत निबन्ध			

दिशा-निर्देश –

प्रथम प्रश्न अनिवार्य है, इसमें सम्पूर्ण पाठ्यक्रम में से 7 वस्तुनिष्ठ प्रश्न पूछे जाएंगे। $7 \times 2 = 14$

शेष प्रश्नों के निर्देश अधोलिखित हैं।

यूनिट – 1

(क) 2 में से 1 प्रश्न का उत्तर। $1 \times 8 = 08$

(ख) 2 में से 1 प्रश्न का उत्तर। $1 \times 6 = 06$

यूनिट – 2

(क) 4 में से 2 श्लोकों की सप्रसङ्ग व्याख्या। $2 \times 4 = 08$

(ख) 2 समालोचनात्मक प्रश्नों में से एक प्रश्न का उत्तर। $1 \times 6 = 06$

यूनिट – 3

निर्धारित नाटककारों तथा उनकी नाट्यकृतियों से सम्बद्ध 4 प्रश्नों में 2 का उत्तर। $2 \times 7 = 14$

यूनिट – 4 चार में से किसी एक विषय पर संस्कृत में विस्तृत निबन्ध। $1 \times 14 = 14$

References:

1. संस्कृत साहित्य का इतिहास, डॉ. उमाशङ्कर शर्मा ऋषि, चौखम्बा भारती अकादमी, वाराणसी।
2. वैदिक साहित्य एवं संस्कृति, डॉ. कपिलदेव द्विवेदी, विश्वविद्यालय प्रकाशन, वाराणसी।
3. श्रीमद्भगवद्गीता, गीता प्रेस गोरखपुर।
4. संस्कृतनिबन्धशतकम्, डॉ. कपिलदेव द्विवेदी, विश्वविद्यालय प्रकाशन, वाराणसी।
5. संस्कृत साहित्य का इतिहास, डॉ. उमाशङ्कर शर्मा ऋषि, चौखम्बा भारती अकादमी, वाराणसी।

SEMESTER - VI

Mathematics

Name of Program	B.A./B.Sc.	Program Code	UMPS4
Name of the Course	Linear Algebra	Course Code	27MATM406DS01OD
Hours per Week	5	Credits	4
Maximum Marks	100 (75 Theory (50 External + 25 Internal) + 25 (Practical))	Time of Examinations	3 Hours
Course Learning Outcomes (CLO)			Mapped PLOs
CLO1 – Explain vector spaces and subspaces.			PLO1
CLO2 – Analyse linear transformations, null spaces & ranges.			PLO1, PLO2
CLO3 – Analyze subspaces using annihilators, null space, and range space of linear transformations, and apply the Rank-Nullity Theorem to determine their dimensions			PLO2
CLO4 – Learn singular and non-singular linear transformations, eigen values and eigen vectors of linear transformations.			PLO2
CLO5 – Utilise inner-product spaces & orthogonalization.			PLO1, PLO2
Note: Examiner will set nine questions and the candidates will be required to attempt five questions in all. Question no. 1 will be compulsory containing four short answer type questions from all sections. Further, examiner will set two questions from each section and the candidates will be required to attempt one question from each section. All questions will carry equal marks.			
Section-I Vector spaces, Subspaces, Sum and direct sum of subspaces, Linear span, Linearly Independent and dependent subsets of a vector space, Finitely generated vector space, Existence theorem for basis of a finitely generated vector space, Finite dimensional vector spaces.			
Section-II Invariance of the number of elements of bases sets, Dimensions, Quotient space and its dimension, Homomorphism and isomorphism of vector spaces, Linear transformations and linear forms on vector spaces, Vector space of all the linear transformations.			
Section -III Dual spaces, Bidual spaces, Annihilator of subspaces of finite dimensional vector spaces, Null space, Range space of a linear transformation, Rank and Nullity theorem.			
Section-IV Algebra of linear transformation, Minimal polynomial of a linear transformation, Singular and non-singular linear transformations, Matrix of a linear transformation, Change of basis, Eigen values and eigen vectors of linear transformations.			
<div><div>Practical/ Computational Work (Based on course Linear Algebra)</div><div>Max. Marks : 25</div><div><div>i) Written Practical/ Lab work : 10 Marks</div><div>ii) Viva-voce and practical record: 15 Marks</div></div><div>Time : 3 Hours</div></div>			
There will be five questions in all, and the students must attempt any three questions. The question paper will set on the spot jointly by the internal and external examiners. Distribution of Marks will be as follows: Marks for Question Paper: 10 Marks for Practical Record Book: 05 Marks for Viva-Voce: 10 Total: 25			
List of Practicals Following is the list of programmes to be performed in the Lab using MATLAB: <div><div>1. Basic vector operations (Programs to do vector addition, scalar multiplication).</div><div>2. Checking vector space properties (Program to check closure under addition and scalar multiplication)</div></div>			

- property).
3. Span (Program to determining the set of all possible linear combinations of a set of vectors).
 4. Linear independence (Programs to check if a set of vectors can be expressed as a linear combination of the others.).
 5. Basis (Program to find a set of linearly independent vectors that span the entire vector space).
 6. Subspaces (Program to verify if a subset of a vector space is itself a vector space).
 7. Quotient space (Program to find basis of a quotient space).
 8. Vector spaces isomorphism verification (Program to verify if the given linear transformation is isomorphism or not).
 9. Practical based on evaluating sum and scalar multiplication of linear transformations.
 10. Practical based on computing rank and nullity of a given linear transformation.
 11. Practical based on verification of Rank-Nullity theorem.
 12. Practical based on evaluating null Space and range space of a linear transformation
 13. Practical based on plotting of linear transformation.
 14. Practical based on identification of singular and non-singular linear transformations.
 15. Practical based on finding eigen values and eigen vectors of a given linear transformation.

References:

1. I.N. Herstein, Topics in Algebra, Wiley Eastern Ltd., New Delhi, 1975
2. P.B. Bhattacharya, S.K. Jain and S.R. Nagpal, Basic Abstract Algebra (2nd edition).
3. Vivek Sahai and Vikas Bist, Linear Algebra, Narosa Publishing House.
4. I.S. Luther and I.B.S. Passi, Algebra, Vol.-II, Narosa Publishing House.
5. Kenneth M Hoffman, Ray Kunze, Linear Algebra, 2nd Edition, PRENTICE-HALL, INC., Englewood Cliffs, New Jersey, 1971.

SEMESTER - VI

Public Administration

Name of Program	Public Administration	Program Code	USPUB4
Name of the Course	Urban Local Government	Course Code	27PUBM406DS01OD
Hours per Week	4	Credits	4
Maximum Marks	Theory 70	Internal 30	Time of Examinations 3 Hours
Note: Examiner will set nine questions and the candidates will be required to attempt five questions in all. Question number one will be compulsory containing short answer type questions from all units. Further, examiner will set two questions from each unit and the candidates will be required to attempt one question from each Unit. All questions will carry equal marks.			
Course Learning Outcomes (CLO): CLO-1. Student acquired knowledge about the evolution of Urban Local governments in India. CLO-2. Students got knowledge about the grassroots governance institution in urban area. CLO-3. Students get awareness about the features of 74 th Constitutional Amendment Act and working of Municipal Committees, Municipal Councils & Municipal Corporations. CLO-4. Students would be able to describe about the Personnel Management of Urban Local Bodies & Govt. control Machinery over these Bodies.			
Unit 1: Evolutions of Urban Local Bodies in India; Features of 74 th Amendment Act, 1992; Organization and Functions of Municipal Committee; Financial Resources of Municipal Committee.			
Unit 2: Organization and Functions of Municipal Council; Power and Functions of the President of Municipal Council; Financial Resources of Municipal Council; Financial Difficulties of Municipal Council.			
Unit 3: Features of Haryana Municipal Corporation Act, 1994; Organization and functions of Municipal Corporation; Power and Functions of Mayor of Municipal Corporation; Financial Resources of Municipal Corporation.			

Unit 4:

Control over Urban Local Bodies; Role of DC in Urban Local Bodies, Personnel Management of Urban Local Administration; Role of District Planning Committee in Urban Development; Recent Reforms in Urban Local Bodies in Haryana.

Suggested Readings-

- Gurpreet Choudhary, T. Gopinath, Urban Local Governance In India Dynamics, Challenges, and Innovation, Abhishek Publications, New Delhi, 2024.
- U.B. Singh, Urban Local Governance In India, Aayu Publications, New Delhi, 2023.
- S.L. Goel, Urban Local Self- Government: Administration and Management in the 21st Century, Deep & Deep Publications, New Delhi, 2022.
- S.R. Maheshwari, Local Government in India, Luxmi Narayan Aggarwal, Agra, 2020.
- Vikendriykarana tha Sthaniya Shasan, Gully Baba, IGNU Notes, 2018.
- Dharmendra Singh, Panchayati Raj avam Gramin Vikas, Rawat Publication, Jaipur, 2017.
- Bhuvanesh Gupta, Urban Local Government, Wisdom Press, New Delhi, 2014.
- Anjila Bajpai, State Government and Administration, Wisdom Press, New Delhi, 2014.
- Jawahar Lal Gupta, Local Government, Wisdom Press, New Delhi, 2013.
- Pankaj Singh, Urban Local Governance In India, Kitab MahaL Distributors, New Delhi, 2013.
- Bhuvanesh Gupta, Urban Local Government, Dominant Publisher & Distributors, New Delhi, 2013.
- Pradeep Sachdeva, Local Government in India, Pearson India, UP, 2011.
- Sunder Ram, Grassroots Planning and Local Governance in India, Kanishka Publisher & Distributors, New Delhi, 2010.
- Ramesh Arora and Gita Chaturvedi, Bharat Me Rajya Prashasan, RBSA Publisher, Jaipur, 2005
- Manoj Sharma, Local Government: Rural & Urban, Anmol Publication Pvt. Ltd., New Delhi, 2004.

SEMESTER - VI**Political Science**

Name of Program	UG Multidisciplinary with Hons.	Program Code	
Name of the Course	Comparative Politics-II	Course Code	27POLM406DS01OD
Hours per Week	4	Credits	4
Maximum Marks	100 Internal : 30 External : 70	Time of Examinations	3 Hours

Note:

Examiner will set nine questions and the candidates will be required to attempt five questions in all. Question number one will be compulsory containing short answer type questions from all units. Further, examiner will set two questions from each unit and the candidates will be required to attempt one question from each Unit. All questions will carry equal marks.

Course Learning Outcomes (CLO) are to:

CLO 1: Create a good understanding about the field of comparative politics, including important concepts, and theoretical approaches

CLO2: Understand the meaning of fundamental concepts in comparative political analysis including the state, nations, society, regimes, and multi-level governance

CLO4: Introduce and systemically discuss classical themes and topics of comparative politics including political culture and socialization, political recruitment, interest groups, political parties, government and policy-making.

CLO5: Covers case studies of politics in developed, developing and transforming countries

CLO6: Enable students to acquire basic knowledge of qualitative comparative analysis

CLO7: Apply concepts to a comparative analysis of selected contemporary regimes, political institutions, and political processes

Unit 1:

Evolution, Conventions, Legacies and Basic features of Constitutions of UK & USA; Socio-Economic basis of Constitutions of UK & USA.

Unit 2:

Comparative Study of Executive, Legislation and Judiciary System of UK & USA.

Unit 3:

Comparative studies of Structures, Functions and roles of political parties and pressure groups of UK & USA.

Unit 4:

Electoral Processes, Voting Behaviour, Bureaucracy and Recent Trends in the working of the systems of UK & USA.

References:

1. G. Almond et al., *Comparative Politics Today : A World View*, 7th edn., New York,London, Harper/Collins, 2000.
2. W. Bagehot, *The English Constitution*, London, Fontana, 1963.
3. A.H. Birch, *British System of Government*, 4th edn., London, George Alen and Unwin, 1980.
4. J. Blondel, *An Introduction to Comparative Government*, London, Weidenfeldand Nicolson, 1969.
5. J. Blondel, *Comparative Legislatures*, Englewood Cliffs NJ, Prentice Hall, 1973.
6. J. Bryce, *Modern Democracies*, Vol. 2, New York, Macmillan, 1921.
7. H. Finer, *Theory and Practice of Modern Government*, London, Methuen, 1969.
8. S.E. Finer, *Comparative Government*, Harmondsworth, Penguin, 1974.
9. E.S. Griffith, *The American System of Government*, 6th edn., London, Methuen, 1983.
10. D. Kavangh, *British Politics: Continuity and Change*, Oxford, Oxford UniversityPress, 1985.
11. H.J. Laski, *American Democracy : A Commentary and An Interpretation*, London,Unwin, 1948.
12. A.Lijphart, *Electoral Systems and Party System*, New Haven CT, Yale UniversityPress, 1994.
13. A.Lijphart,(ed.), *Parliamentary versus Presidential Government*, Oxford and NewYork, Oxford University Press, 1992.
14. A.Lijphart, *Democracies : Patterns of Majoritarian and Consensual Government in Twenty One Countries*, New Haven CT, and London, Yale University Press, 1992.
15. R. Maddex, *Constitutions of the World*, 2nd edn., Washington DC and London, CQ Press, 2000.
16. P Mair, *The West European Party System*, Oxford, Oxford University Press, 1990.
17. T.Munro, *The Governments of Europe*, New York, Macmillan, 1963.
18. D. Olson, *Legislative Institutions: A Comparative View*, Armonk NY, M.E. Sharpe, 1994.
19. M. Rhodes, P. Heywood and V. Wright, *Developments in West European Politics*

SEMESTER - VI**History**

Name of the Program	Under Graduate Multidisciplinary with Hons. in One Major Discipline	Program Code	UMBA4
Name of the Course	History of Modern World	Course Code	27HISM406DS01OD
Hours per week	5	Course Credits	4
Max. Marks	100 {External (term-end exam) – 70} (Internal – 30)	Time of Examination	3 Hours

Note: Examiner will set nine questions and the candidates will be required to attempt five questions in all. Question number one will be compulsory containing short answer type questions from all units. Further, examiner will set two questions from each unit and the candidates will be required to attempt one question from each Unit. All questions will carry equal marks.

Course Learning Outcomes (CLO):

1. Students will be able to get the basic knowledge of concepts of modern age especially Europe.
2. Students will be able to understand the origin, development and stages of Capitalism.
3. Students will be able to get the basic knowledge about the development of science and technology.
4. Students will be able to effectively understand colonialism in India.

Unit - I

1. Rise of Modern West: Renaissance and Reformation
2. Age of Mercantilism: Features, Activities of Different Countries and the Beginnings of Capitalism
3. Agricultural Revolution in Western Europe
4. Technological Revolution and its impacts

Unit – II

1. Development of Imperialism: Geographical Expansion: Asia & Africa
2. French Revolution: origin, events and impacts
3. Unification of Germany and Italy: Rise of Nationalism, Course of events
4. Russian Revolution: origin. Events and impacts

Unit – III

1. First World War: Origin , events & impacts and peace settlement
2. China: Opium wars, Revolution of 1911 and 1949; Rise of Japan: Emergence as a Colonial power
3. Rise of Nazism and Fascism in Germany and Italy: Emergence and impacts
4. Second world war: origin, events, impacts

Unit – IV**Maps:**

1. Area of Agricultural Revolution in Europe
2. Europe on the eve of French Revolution
3. Unification of Italy
4. Unification of Germany

References:

- Carr, E. H., A History of Soviet Russia: The Bolshevik Revolution 1917-1923, Vol.3, USA, 1973
- Chalmers A. Johnson, Peasant Nationalism and Communist Power: The Emergency of Revolutionary China 1937-1945, USA, 1962
- Chandra, Bipan, Nationalism and Colonialism in India, New Delhi, 1996
- Cipolla, C. M., Fontana Economic History of Europe, Vol. III, USA, 1976
- Desai, A. R., Social Background of Indian Nationalism, New Delhi, 2023
- Dobb, Maurice, Studies in the Development of Capitalism, New Delhi, 1974
- Dutt, R. P., India Today and Tomorrow, London, 1955
- Emerson, Rupert, From Empire to Nation: The Rise to Self Assertion of Asian and African People, Cambridge, 1960
- Hilton, Rodney, Transition from Feudalism to Capitalism, New Delhi, 2010
- Hobsbawm, E. J., Nation and Nationalism, Cambridge, 1970
- Joll, James, Origin of the First World War, 4th Edition, New Delhi, 2023
- Lichtheim, George, A Short History of Socialism, Colombia, 1970
- Lucas, Colin, The French Revolution and the Making of Modern Political Culture. Vol. 2, Oxford, 1988
- Riasanovsky, N. V., A History of Russia, New Delhi, 1984
- Roth, J. J., World War II: A Turning Point in Modern History, USA, 1967
- Snyder, Louis L., The Meaning of Nationalism, New Jersey, 1954
- Stephen, McGlinchey, International Relations, England, 2016
- Thompson, David, Europe Since Napoleon, London, 1990

Note: In addition, students are advised to consult the current Research Journal of History.

SEMESTER - VI

English

Name of Program		Program Code	
Name of the Course	One Act Play (English)	Course Code	27ENG403MI01OD
Hours per Week	04	Credits	04 (L- 4-T- 0-P- 0)
Maximum Marks	70+30=100	Time of Examination	3 Hours
Note: Question No 1 Students shall be required to attempt any four Short notes (100-150) words each out of the given six selecting at least one from each unit. Questions 2, 3, 4 and 5 shall be essay type questions with internal choice. All questions carry equal marks.			
Course Learning Outcomes (CLO): CLO 1 The students shall be able to understand drama as a medium of interpersonal and cultural communication CLO 2. The students shall be able to demonstrate abilities to appreciate and critically evaluate English Drama CLO 3. The students shall be able to explore and appreciate various innovations in dramatic Techniques.			
Unit 1: Anton Chekov : <i>The Proposal</i> From <i>Lovely Woods</i> (Orient Blackswan)			
Unit 2: O' Henry : <i>While the Auto Waits</i> From <i>Lovely Woods</i> (Orient Blackswan)			
Unit 3: J.M. Synge ; <i>Riders to the Sea</i> From <i>Lovely Woods</i> (Orient Blackswan)			
Unit 4: Stanley Houghten : <i>The Dear Departed</i> From <i>Lovely Woods</i> (Orient Blackswan)			
References: Banham E. Martin. <i>The Cambridge Guide to the Theatre</i> Gaskell, Ronald. <i>Drama and Reality: The European Theatre since Ibsen</i> Trussler, Simon. <i>20th Century Drama</i> .			

SEMESTER - VI

Hindi

Name of Program	Not to be filled	Program Code	Not to be filled
Name of the Course	भारतीय ज्ञान परंपरा	Course Code	27HND403MI01OD
Hours per Week	04	Credits	04
Maximum Marks	100	Time of Examinations	03 Hours

Note:

Examiner will set nine questions and the candidates will be required to attempt five questions in all. Question number one will be compulsory containing short answer type questions from all units. Further, examiner will set two questions from each unit and the candidates will be required to attempt one question from each Unit. All questions will carry equal marks.

Course Learning Outcomes (CLO):

- विद्यार्थी भारत की गौरवशाली परंपरा से परिचित होंगे।
- विद्यार्थी भारत की प्राचीन और आधुनिक शिक्षा पद्धति का विश्लेषण कर सकेंगे।
- विद्यार्थी भारतीय ज्ञान परंपरा के सूत्रों द्वारा आधुनिक जीवन की समस्याओं से मुक्ति का समाधान प्राप्त कर सकेंगे।

Unit 1: भारतीय ज्ञान परंपरा की अवधारणा

भारतीय ज्ञान परंपरा : अवधारणा और आयाम

भारतीय ज्ञान परंपरा का संक्षिप्त इतिहास

भारतीय ज्ञान परंपरा की प्रासंगिकता

Unit 2: ज्ञान के रचनात्मक स्रोत संक्षिप्त परिचय

वेद और उपनिषद

पुराण और इतिहास

धर्म-शास्त्र और स्मृति ग्रंथ

रामायण, महाभारत और रामचरितमानस

Unit 3: भारतीय ज्ञान परंपरा के प्राचीन अनुशासन

प्राचीन शिक्षा पद्धति और विद्यापीठ

पर्यावरणीय चेतना और भारतीय ज्ञान परंपरा

प्राचीन योग पद्धति और आधुनिक जीवन शैली

Unit 4: भारतीय ज्ञान परंपरा के नव्य-दर्शन

नव्य-दर्शन और आधुनिक भारत

स्वामी विवेकानंद नव्य-वेदांत दर्शन और भारत

पंडित दीनदयाल, उपाध्याय का एकात्म मानव दर्शन

श्री अरविंद का जीवन दर्शन और भारत-बोध

- शुक्ल, रजनीश कुमार, भारतीय ज्ञान परंपरा और विचारक, प्रभात प्रकाशन, नई दिल्ली ।
- अग्रवाल, वासुदेवशरण, कला और संस्कृति, प्रभात प्रकाशन, नई दिल्ली ।
- द्विवेदी, संजय, भारतबोध का नया समय, यश प्रकाशन, नई दिल्ली ।
- Mahadevan, Bhat and Pavana, B., Vinayak Rajat, Nagendra R-N-; Introduction to Indian Knowledge System: Concept and Applications, PHI Learning Private Limited
- गुप्ता, बजरंग लाल, पं. दीनदयाल उपाध्याय व्यक्ति, विचार और समसामयिकता, किताब वाले, दिल्ली ।
- दीक्षित, हृदयनारायण, पं. दीनदयाल उपाध्याय : द्रष्टा दृष्टि और दर्शन, अनामिका प्रकाशन, प्रयागराज ।
- शेखर, हिमांशु : स्वामी विवेकानंद के सपनों का भारत, डायमंड पब्लिक बुक्स, नई दिल्ली ।
- चौहान, लालबहादुर सिंह, योगसाधक महर्षि अरविंद, दृष्टि प्रकाशन, नई दिल्ली ।

SEMESTER - VI

Mathematics

Name of Program		Program Code	
Name of the Course	OPERATIONS RESEARCH	Course Code	27MAT403MI01OD
Hours per Week	06 Hours	Credits	04 Credits
Maximum Marks	100 (50 Theory + 50 Practical)	Time of Examinations	03 Hours

Note:

Examiner will set nine questions and the candidates will be required to attempt five questions in all. Question number one will be compulsory containing four short answer type questions from all sections. Further, examiner will set two questions from each section and the candidates will be required to attempt one question from each Section. All questions will carry equal marks.

Course Learning Outcomes (CLO):

CLO1 Know about operations research models, its methodology and classification.

CLO2 Formulate and solve LPP's using Graphical and Simplex methods.

CLO3 Understand the concept of duality in linear programming.

CLO4 Define, classify and handle different types of transportations problems.

CLO5 Distinguish between assignment problems, crew assignment problems, travelling salesman problems and the techniques to solve them.

Section – I

Linear programming problems (LPP): Introduction to linear programming problems (LPP), Mathematical formulation of the linear programming problems with illustrations. Graphical method used for solving linear programming problem. Feasible region of LPP, unbounded solution to the LPP in graphical method, Canonical and standard form of LPP.

Section – II

Simplex Method: Basic and non basic variables, Theory of Simplex method, optimality and unboundlessness, Simplex algorithm, Simplex method in tableau format. Introduction to artificial variables, Two –phase simplex method, Big-M method, Degeneracy problem in simplex method.

Section – III

Transportation Problem: Introduction to transportation problem, Initial basic feasible solution to transportation problem using North-West Corner, Least Cost Method and Vogel's approximation Method. Optimal solution to transportation problem using MODI method, Unbalanced transportation problem, Degeneracy in transportation problem.

Section – IV

Assignment Problem: Introduction to assignment problem, Mathematical formulation of assignment problem, Solution to assignment problem using Hungarian method.

Part-B (Practical)

Max. Marks : 50 {External (term-end exam) – 35}

(Internal – 15)

Time : 3 Hours

There will be a separate practical paper consisting of implementation of Linear Programming, studied in the theory paper **25MAT403MI01**(Part-A). There will be five questions in all, and the students must attempt any three questions. The question paper will set on the spot jointly by the internal and external examiners.

Distribution of Marks will be as follows:

Marks for Question Paper:	21
Marks for Practical Record Book:	06
Marks for Viva-Voce:	08
Total:	35

References:

1. KantiSwarup, P.K. Gupta and Man Mohan-Operations Research, S. Chand and Co. Pvt.Ltd, 2010.
2. Kalavathy- Operations Research, Vikas Publishing House Pvt. Ltd, 2012.

SEMESTER - VI

Sanskrit

Name of Program	Not to be filled	Program Code	Not to be filled
Name of the Course	संस्कृत – 3	Course Code	27SKT403MI01OD
Hours per Week	4	Credits	4
Maximum Marks	100	Time of Examinations	3 Hours

Note:

Examiner will set nine questions and the candidates will be required to attempt five questions in all. Question number one will be compulsory containing short answer type questions from all units. Further, examiner will set two questions from each unit and the candidates will be required to attempt one question from each Unit. All questions will carry equal marks.

Course Learning Outcomes (CLO):

CLO 1: The students will be able to gain basic understanding of Sanskrit drama.

CLO 2: The students will be able to gain basic understanding of Sanskrit Pratyayas.

CLO 3: The students will be able to gain understanding of Sanskrit verbs.

CLO 5: The students will be able to make simple translation from Hindi to Sanskrit.

CLO 6: The students will be able to understand various types of Sanskrit Samas.

Unit 1:

चारुदत्तम् – प्रथम अंक तथा द्वितीय अंक

Unit 2:

चारुदत्तम् – तृतीय अंक तथा चतुर्थ अंक

Unit 3:

कृदन्त – शतृ, शानच्, क्त, क्तवतु, तुमुन्

निम्न धातुओं के णिजन्तरूप लट् लकार प्रथम पुरुष – भू, पठ्, गम्, लिख्, पा, श्रू, भृ, दा, स्था, हस्

Unit 4:

समास – अव्ययीभाव, तत्पुरुष, बहुव्रीहि, तत्पुरुष

References:

1. Charudattam by Bhasa, Chaukhamba Prakashan, Delhi
2. Misha, Dr. Yadunandan, Anuvada Chandrika, Chaukhambha Orientaliya, Delhi, 2021.
3. Apte, Vaman Shivram, Student's Guide to Sanskrit Composition, The Standard Publishing Company, Girgaon, Bombay, 1925.
4. Tripathi, Dr. Brahmananda, Rupa Chandrika, Chaukhamba Surbharati Prakashan, Varanasi, 2008.
5. Kridanta Rupa Mala-Srijan Jha-App. Available on Google Play Store.

SEMESTER - VI

Economics

Name of Program	UG	Program Code	
Name of the Course	Monetary Economics	Course Code	27ECO403MI01OD
Hours per Week	4	Credits	4
Maximum Marks	Total 100	Theory 70	Internal 30
		Time of Examinations	3
Note: Examiner will set nine questions and the candidates will be required to attempt five questions in all. Question number one will be compulsory containing short answer type questions from all units. Further, examiner will set two questions from each unit and the candidates will be required to attempt one question from each Unit. All questions will carry equal marks.			
Course Learning Outcomes (CLO): CLO 1: Students have a basic understanding of banking. CLO 2: Student are aware of the current challenges faced by banking system. CLO 3: Students are able to enhance knowledge about the key reforms in financial sector			
Unit 1: Meaning, Functions and Significance of Money; Quantity Theory of Money: Fisher's and Cambridge Equation.			
Unit 2: The demand for and supply of money; Factors affecting Demand for Money, Credit Creation and Credit Control. Recent Reforms in Banking Sector in India.			
Unit 3: Meaning and functions of central bank – The aims and objectives of monetary policy in developed and developing countries.			
Unit 4: Banking System in India – Functions and Significance of Commercial Banks, Co-operative Banks, Regional Rural Banks (RRBs), Land Development Banks.			
References: <ul style="list-style-type: none"> • Baye, Jansen (Latest edition) : Money Banking and Financial Markets. An Economics Approach. AITBS Publishers and Distributors, New Delhi • Croushore Dean (2007) : Money and Banking (A Policy Oriented Approach) Houghton Mifflin Company, New York. • Dennis, Geoffrey E J (Latest edition) : Monetary Economics Longman Group Limited, London and New York • Eatwell, John and Taylor Lance (Latest edition) : International Capital Markets, System in Transition, Oxford University Press, New Delhi • Fabozzi Frank J, Modigliani Franco : Institutions and Instruments (Third Edition) Prentice Hall of India Pvt. Ltd., New Delhi • Fabozzi Frank J, Modigliani Franco, : Foundation of Financial Markets and Jones Frank J., 			

SEMESTER - VI**Public Administration**

Name of Program	MA Public Administration 5 Year Integrated	Program Code	Minor-3
Name of the Course	State & District Administration in India	Course Code	27PUB403MI01OD
Hours per Week	04	Credits	04
Maximum Marks	Theory Internal 70 30	Time of Examinations	3 Hours

Note:

Examiner will set nine questions and the candidates will be required to attempt five questions in all. Question number one will be compulsory containing short answer type questions from all units. Further, examiner will set two questions from each unit and the candidates will be required to attempt one question from each Unit. All questions will carry equal marks.

Course Learning Outcomes (CLO):

- CLO-1.** Students would be able to get knowledge about the Political Executive at State level.
- CLO-2.** They would get knowledge about the operational working of the chief Secretary and various commissions operating at State Level.
- CLO-3.** Students would understand about the organization & functions of DC, SP, DRDA, DDPO etc.
- CLO-4.** Develop awareness among the students about DPC and the officers operating at urban and rural level.

Unit 1:

Political Executive at State Level: Governor: Power and Position, Chief Minister: Power and Position, Council of Minister: Organization and Functions, State Planning Board: Organization & Functions.

Unit 2:

Role of Chief Secretary in State Administration, Composition & Functions of Haryana Public Service Commission, Haryana State Information Commission, and Haryana right to Service Commission, Haryana Lokayukta: Power & Position.

Unit 3:

Role of Deputy Commissioner and Superintendent of Police at District level, District Consumer Forum: Organization & Functions, Organization and Functions of District Rural Development Agency, Role and Functions of DDPO

Unit 4:

Municipal Commissioner: Powers & Functions, Composition and Functions of District Planning Committee, Role and Functions of Block Development & Panchayat Officer and Panchayat Secretary, Chief Executive Officer of Zila Parishad,

SEMESTER - VI**POLITICAL SCIENCE**

Name of Program		Program Code	
Name of the Course	Modern Indian Political Thought-I	Course Code	27POL403MI01OD
Hours per Week	4	Credits	4
Maximum Marks	100 External: 70 Internal : 30	Time of Examinations	3 Hours

Note:

Examiner will set nine questions and the candidates will be required to attempt five questions in all. Question number one will be compulsory containing short answer type questions from all units. Further, examiner will set two questions from each unit and the candidates will be required to attempt one question from each Unit. All questions will carry equal marks.

Course Learning Outcomes (CLO) are to:

- CLO 1: Put in perspective the Indian political philosophy
- CLO2: Have a nuanced reflection on its impact on contemporary world
- CLO3: Critically engage with Indian political philosophies in terms of what it means to us
- CLO4: Familiarize the students with the various schools of political thought
- CLO5: impart students with knowledge advocated by various political philosophers on state and politics
- CLO6: Project the history of political thought as a series of critical, interconnected and open-ended conversations

Unit 1:

Raja Ram Mohan Ray and Swami Dayanand

Unit 2:

Dada Bhai Narojee and Gopal Krishan Gokhle

Unit 3:

Swami Vivekanand and Aurbind Ghosh

Unit 4:

Lala Lajpat Rai and Bal Gangadhar Tilak

References:

1. A.S. Altekar, *State and Government in Ancient India*, Delhi, Motilal Banarsidass, 1966.
2. A. Appadorai, *Documents on Political Thought in Modern India*, 2 Vols. Oxford University Press, 1970.
3. S. Ghosh, *Modern Indian Political Thought*, Delhi, Allied, 1984.
4. V.R. Mehta, *Foundations of Indian Political Thought*, New Delhi, Manohar, 1992.
5. T. Pantham, and K. Deustch (eds), *Political Thought in Modern*

India, New Delhi, Sage, 1986.

6. B. Parekh and T. Pantham (eds), *Political Discourse: Exploration in Indian and Western Political Thought*, New Delhi, Sage, 1987.
7. V.R. Mehta, *Foundations of Indian Political Thought*, New Delhi, Manohar, 1992

Suggested Readings:

- Mohit Bhattacharya, Asit Basu, *Indian Administration*, The world press private limited, Kolkata, 2024.
- Rajender Prasad, Meena, *Bhart Mein Rajya Prashashan*, Rajasthan Hindi Granth Academy, Jaipur, 2020.
- R.K. Saprui, *Indian Administration*, Sage Publication Pvt. Ltd., New Delhi. 2018.
- B.L. Fadia & K. Fadia, *Indian Administration*, Sahitya Bhawan Publication, Agra, 2017.
- Avasthi & Avasthi, *Indian Administration*, L.N. Aggarwal Publications, Agra, 2017.
- Bidyut Chakrabarty, *Indian Administration*, Sage Publication Pvt. Ltd., New Delhi, 2016.
- Abrar, R., *Indian Public Administration*, Wisdom Press, New Delhi, 2016.
- Goyal, Vijay Kumar and B.K. Garg, *Rural Development Administration*, New Delhi: AlfaPublications, 2013.
- Gupta, Jawahar Lal, *Indian Administration: Evolution & Development*, Wisdom Press, New Delhi, 2013.
- R.K. Arora, *Indian Public Administration: Institutions and Issues*, New Age International Publishers, New Delhi, 2012 (3rd edition).
- Hoshiyar Singh, *Indian Administration*, Pearson, London, 2011.
- Vishnu Bhagwan, Vidya Bhushan, *Indian Administration*, S. Chand, New Delhi, 2011.
- Sharma, P.D., & Sharma, B.M., *Indian Administration: Retrospect and Prospect*, Rawat Publication, Jaipur, 2009.
- Chahar, S.S., *District Administration in Era of Globalization*, Concept Publication, New Delhi, 2009
- S.C. Mehta, *Bhartiya Prashashan*, HRDM Publication, New Delhi, 2007.
- Prasad, Kamala, *Indian Administration, Politics, Policies and Prospects*, New Delhi, Pearson Longman, 2006.
- Chaubey, P.K., *Urban Local Bodies in India: Governance with Self-Reliance*, New Delhi, IIPA, 2004.
- Maheshwari, S.R., *Indian Administration*, New Delhi, Orient Longman, 2000.

SEMESTER - VI**History**

Name of the Program	Under Graduate Single Major Programme	Program Code	USHIS4
Name of the Course	Bhakti and Sufi Movements in India	Course Code	27HIS403MI01OD
Hours per week	4	Course Credits	4
Max. Marks	100 {External (term-end exam) – 70} (Internal – 30)	Time of Examination	3 Hours

Note: Examiner will set nine questions and the candidates will be required to attempt five questions in all. Question number one will be compulsory containing short answer type questions from all units. Further, examiner will set two questions from each unit and the candidates will be required to attempt one question from each Unit. All questions will carry equal marks.

Course Learning Outcomes (CLO):

1. Students will be able to get the knowledge of origin and growth of Bhakti and Sufi Movements.
2. Students will be able to understand the impacts of Bhakti and Sufi Movements.
3. Students will be able to understand the different *Silsilah* and their origin and expansion.
4. Students will be able to get the basic knowledge of the *Sagun and Nirgun* branch of Bhakti movement.

Unit - I**Advent of Bhakti Movement**

1. Historical Background and Beginning
2. Alvars and Nayanars, Shankracharya ji.
3. Expansion in South Maharastra- Namdev, Bithal
4. Expansion in North India - Kabir, Nanak

Unit – II**Expansion and Impacts of Bhakti Movement**

1. Dadu Dayal
2. Tulsi Das, Surdas
3. Women and Bhakti-Meerabai
4. Impacts of Bhakti Movement on Indian Society and State

Unit – III**Advent of Sufi Movement**

1. Historical Background – Rise and Features
2. Expansion in North and South India
3. Chisti
4. Suhawardi

Unit – IV
Expansion and Impacts of Sufi Movement <ol style="list-style-type: none"> 1. Qadri 2. Naqshbandi 3. Sufism, Muslim Orthodoxy and State 4. Impacts of Sufism on Indian Society.
References: <ul style="list-style-type: none"> • Arberry, A. J., Sufism, London, 1956 • Asharf, K. M., Life and Condition of the people of the Hindustan, New Delhi, 1988 • Aziz, Ahmed, Studies in Islamic Culture in the Indian Environment, Oxford, 1964 • Bhandarakar, R. G., Vaisnavism, Saivism and Minor Religious System, Poona, 1959 • Chandra, Sobha, Savitri Samaj Aur Sanskrit, New Delhi, 1983 • Majumdar, A. K., Bhakti Renaissance, Bombay, 1965 • Mansura, Haider, Sufis, Sultans and Feudal Orders, New Delhi, 2004 • Nizami, K. A., Some Aspects of Religion and Politics in India during the 13th Century, New Delhi, 1978 • Rizvi, S. A. A., A History of Sufism in India, New Delhi, 1997 • Sharma, Krishna, Bhakti and the Bhakti Movement : A New Perspective, New Delhi, 1987 • Tara Chand, Influence of Islam on Indian Culture, Allahabad, 1976

Note: In addition, students are advised to consult the current Research Journal of History.

B) MINOR VOCATIONAL COURSES
SEMESTER – VI
English

Name of Program		Program Code	
Name of the Course	Introduction to Indian Theatre And Performance	Course Code	27ENG406MV01OD
Hours per Week	04	Credits	04 (L- 4-T- 0-P- 0)
Maximum Marks	70+30=100	Time of Examination	3 Hours

Note:

Question No 1 Students shall be required to attempt any four Short notes (100-150) words each out of the **given six** selecting at least one from each unit.

Questions 2, 3, 4 and 5 shall be essay type questions with internal choice.

All questions carry equal marks.

Course Learning Outcomes (CLO):

CLO 1. Students will be able to identify various dramatic traditions in India

CLO 2. Gain insight into the history and evolution of Indian theatre since Independence

CLO 3. Competence to analyse plays in a critical and nuanced manner will be developed

Unit 1:

Bharatmuni *Natyashastra* (Ch. 1, 6, and 7 from the English translation of the text by Manomohan Ghosh)

Unit 2:

Trends in Indian Theatre since Independence movement.

Forms / Types of Indian Theatre.

Unit 3:

Mohan Rakesh *Halfway House (Aadhe Adhure*; translated from Hindi by Bindu Batra)

Unit 4:

Manjula Padmanabhan *Harvest*

References:

Indian English Drama: A Critical Study by S. Krishna Bhatta

Modern Indian Drama: An Anthology edited by G.P. Deshpande

Modern Indian Theatre: A Reader by Nandi Bhatia

New Directions in Indian Drama edited by Sudhakar Pandey and Freya Barua

Perspectives on Indian Drama in English edited by M.K. Naik and S. Mokashi Puneekar

The Theory of Drama by Allardyce Nicoll

The Use of Drama by H. Granville-Barker

Theatres of Independence: Drama, Theory, and Urban Performance in India since 1947 by
Aparna Dharwadker

Theory of Drama: Comparative Study of Aristotle and Bharata by R.N. Rai

SEMESTER - VI**Hindi**

Name of Program	Not to be filled	Program Code	Not to be filled
Name of the Course	पर्यावरण और हिंदी साहित्य	Course Code	27HND406MV01OD
Hours per Week	04	Credits	04
Maximum Marks	100	Time of Examinations	03 Hours

Note:

Examiner will set nine questions and the candidates will be required to attempt five questions in all. Question number one will be compulsory containing short answer type questions from all units. Further, examiner will set two questions from each unit and the candidates will be required to attempt one question from each Unit. All questions will carry equal marks.

Course Learning Outcomes (CLO):

1. विद्यार्थी पर्यावरण के विभिन्न आयामों से परिचित होंगे।
2. हिंदी साहित्य में अभिव्यक्त पर्यावरण चेतना को जानेंगे।
3. पर्यावरण और जीव जगत के अंतर्संबंधों को समझेंगे।

Unit 1: पर्यावरण—चिंतन : अवधारणा का विकास

प्रकृति, पर्यावरण एवं पारिस्थितिकी अवधारणा और महत्त्व
विकास की अवधारणा
विकास की गांधी-दृष्टि
धारणीय (Sustainable) विकास की अवधारणा

Unit 2: हिंदी कविता में प्रकृति

पृथ्वी—रोदन : हरिवंशराय बच्चन
सतपुड़ा के घने जंगल : भवानी प्रसाद मिश्र

Unit 3: कथा साहित्य में प्रकृति और पर्यावरण

परती परिकथा (निर्धारित अंश) : फणीश्वर नाथ रेणु
बाबा बटेसर नाथ (निर्धारित अंश) : नागार्जुन
कुइयाँ जान (अंश) : नासिरा शर्मा
नया मन्वंतर (नाटक) – चिरंजीव

- References** 1. हिंदी साहित्य का वृहत इतिहास सोलहवां भाग, राहुल सांकृत्यायन, नागरी प्रचारिणी सभा, काशी ।
2. भारतीय लोकनाट्य – वशिष्ठ नारायण त्रिपाठी, वाणी प्रकाशन, दिल्ली ।
3. भारतीय लोक साहित्य : परंपरा और परिदृश्य—विद्या सिन्हा, प्रकाशन विभाग, नई दिल्ली ।
4. लखमीचंद ग्रंथावली, हरियाणा साहित्य अकादमी ।
5. लोक साहित्य : पाठ और परख—विद्या सिन्हा, आरुषि प्रकाशन, नोएडा ।
6. भिखारी ठाकुर रचनावली – (संपादक) प्रो. वीरेंद्र नारायण यादव, बिहार राष्ट्रभाषा परिषद्, पटना ।
7. परंपराशीलनाट्य – जगदीशचंद्र माथुर, बिहार राष्ट्रभाषा परिषद्, पटना ।
8. हमारे लोकधर्मीनाट्य – श्याम परमार, लोकरंग, उदयपुर, राजस्थान ।
9. पारंपरिक भारतीय रंगमंच : अनंत धाराएँ—कपिला वात्स्यायन ।।

SEMESTER - VI**Mathematics**

Name of Program	B.A. / B.Sc.	Program Code	Not be filled
Name of the Course	Data Structure using C	Course Code	27MAT406MV01OD
Hours per Week	06 Hours	Credits	04 Credits
Maximum Marks	100 (50 Theory (35 External + 15 Internal) + 50 Practical)	Time of Examinations	03 Hours
Course Learning Outcomes (CLO)			Mapped PLOs
CLO 1: Access how the choices of data structure & algorithmic methods impact the performance of the program.			PLO2, PLO9
CLO 2: Choose an appropriate data structure depending upon the type of problem.			PLO2, PLO4
CLO 3: Have knowledge about the concepts of functions, arrays and linked lists.			PLO1, PLO9
CLO 4: Understand the working of several fundamental algorithms, particularly those that can be implemented with stacks, queues, trees and sorting algorithms.			PLO1, PLO2, PLO9
CLO 5: Design new algorithms or modify existing ones for new applications.			PLO2, PLO3, PLO9
Note: Examiner will set nine questions and the candidates will be required to attempt five questions in all. Question number one will be compulsory containing four short answer type questions from all sections. Further, examiner will set two questions from each section and the candidates will be required to attempt one question from each Section. All questions will carry equal marks.			
Course Learning Outcomes (CLO):			
Section 1: Basic terminology, Elementary data organization, Data structure operations, Algorithm Complexity and Time-Space trade-off (Definitions only), Linear data structure: Arrays, Linked List.			
Section 2: Introduction to Stack, Definition, Stack Implementation, Operations of Stack, Applications of Stack and Multiple Stacks. Implementation of Multiple Stack Queues, Introduction to Queue, Definition, Queue Implementation, Operations of Queue, Circular Queue, De-queue and Priority Queue.			
Section 3: Trees: Tree terminology, Binary tree, Algebraic Expressions, Complete Binary Tree, Threaded Binary trees, Extended Binary Trees Memory representation of binary tree, Tree traversal algorithms, Binary search tree (BST), AVL tree, Threaded tree, B-Tree and B+ tree.			
Section 4: Graphs: Terminology & Representations, Graphs & Multi-graphs, Directed Graphs, Weighted graphs, Sequential Representations of Graphs, Adjacency Matrices, Traversal, Connected Component and Spanning Trees, Minimum Cost Spanning Trees.			

Part-B (Practical)

Max. Marks : 50 {External (term-end exam) – 35}

Max. Marks : 50

i) Written Practical/ Lab work : 20 Marks

ii) Viva-voce and practical record: 30 Marks

Time : 3 Hours

There will be five questions in all, and the students must attempt any three questions. The question paper will set on the spot jointly by the internal and external examiners.

Distribution of Marks will be as follows:

Marks for Question Paper:	20
Marks for Practical Record Book:	10
Marks for Viva-Voce:	20
Total:	50

List of the Practical

1. Write a C program to create an array (1-D) and insert new elements in the array.
2. Write a C program to create an array(1-D) and delete an element from this array.
3. Write a C program to create an array (2-D) and insert new elements in the array.
4. Write a C program to create an array(2-D) and delete an element from this array.
5. Write c program to implement a single-linked list.
6. Write c program to implement a double single-linked list.
7. Write c program to implement a circular single-linked list.
8. Write c program to implement stack operations.
9. Write c program to implement queue operations.
10. Write c program to implement tree traversal.
11. Write c program to implement insertion sort operation on an array.
12. Write c program to implement binary search operation on an array.
13. Write c program to implement tree traversal.
14. Write c program to implement binary search tree.
15. Write c program to implement graph traversal.

References:

1. Samuel P. Harkison and Gly L. Steele Jr., C: A Reference Manual, Second Edition, Prentice Hall, 1984.
2. Brian W. Kernighan & Dennis M. Ritchie, The C Programme Language, Second Edition (ANSI features), Prentice Hall 1989.
3. E. Balagurusamy, Programming in ANSI C, Third Edition, Tata McGraw-Hill Publishing Co. Ltd.
4. S.G. Byron, Theory and Problems of Programming with C, Second Edition (Schaum's Outline Series), Tata McGraw-Hill Publishing Co. Ltd.
5. Loomis, Data Structure and File Management, Prentice Hall India Ltd.
6. Schaume's Outline Series, Data Structures, Tata McGraw Hill.
7. Tannenbaum, Data Structure Using C, Tata McGraw-Hill.

SEMESTER - VI

Sanskrit

Name of Program	Not to be filled	Program Code	Not to be filled
Name of the Course	न्याय दर्शन,	Course Code	27SKT406MV01OD
Hours per Week	4	Credits	4
Maximum Marks	100	Time of Examinations	3 Hours

Note:

Examiner will set nine questions and the candidates will be required to attempt five questions in all. Question number one will be compulsory containing short answer type questions from all units. Further, examiner will set two questions from each unit and the candidates will be required to attempt one question from each Unit. All questions will carry equal marks.

Course Learning Outcomes (CLO):

CLO 1: The students will be able to gain knowledge about the various acharyas and their literature..

CLO 2: The students will be able to understand the subject matter of Tarkbhasha.

CLO 3: The students Will be able to develop the ability to critically analyse the foundational principles and key concepts of Nyaya..

Unit 1:

न्यायदर्शन के आचार्य एवं ग्रन्थ

Unit 2:

प्रमाण, प्रमा, कारण – समवायिकारण, असमवायिकारण, निमित्तकारण, षड्विधसन्निकर्ष (प्रत्यक्ष), पञ्चावयव वाक्य (अनुमान)

Unit 3:

प्रमेय – आत्मा, शरीर, इन्द्रिय, अर्थ, बुद्धि, मन, प्रवृत्ति, दोष, प्रेत्यभाव, फल, दुःख अपवर्ग

Unit 4:

तर्कभाषा की कतिपय प्रसिद्ध परिभाषाओं का कंठस्थीकरण एवं लेखन (पाठ्यक्रम में निर्धारित सिद्धान्तों से सम्बद्ध)

References:

1. तर्कभाषा - व्याख्या, डॉ. श्रीनिवास शास्त्री
2. तर्कभाषा - व्याख्या - आचार्य विश्वेश्वर
3. तर्कभाषा - व्याख्या - बट्टीनाथ शुक्ल
4. भारतीयन्यायशास्त्र एक अध्ययन - ब्रह्ममित्र अवस्थी
5. भारतीय दर्शन - राधाकृष्णन

SEMESTER - VI

Economics

Name of Program	UG	Program Code	
Name of the Course	Health Economics	Course Code	27ECO406MV01OD
Hours per Week	4	Credits	4
Maximum Marks	Total Theory Internal 100 70 30	Time of Examinations	3

Note:

Examiner will set nine questions and the candidates will be required to attempt five questions in all. Question number one will be compulsory containing short answer type questions from all units. Further, examiner will set two questions from each unit and the candidates will be required to attempt one question from each Unit. All questions will carry equal marks.

Course Learning Outcomes (CLO):

CLO 1: The students are able to comprehend different health Economics concepts.

CLO 2: The students is capable of appraising health financing methods.

CLO 3: The course helps the students to analyze health related data effectively

Unit 1:

Meaning, importance, and scope of Health Economics, Normative Economics and Health Care. Difference between health and health care, the concept of DALY and QALY, morbidity and mortality, burden of diseases. Health and economic development

Unit 2:

Economic Dimension of Demand for Health and Health Care. Grossman's consumption and investment model. National Family Health Survey, NFHM and NRHM. Health Policy of India: Objectives and Evaluations.

Unit 3:

Market failure and rationale for public intervention. Externalities in health and health care. Private and Public Finances of Health Care. Pattern of health expenditure in India, cross country comparison. Role of WHO.

Unit 4:

Socio-economic determinants of health, preventive and curative health care, health and Nutrition. Evaluation of Health Economics: Cost-effectiveness and Cost Benefit Analysis, uncertainty and health insurance market

References:

- Berman PA and ME Khan (1993): *Paying for India's Health Care*, Sage Publications, New Delhi.
- Bhattacharya, J., Hyde, T., & Tu, P. (2014). *Health Economics*, Bloomsbury Academic.
- Folland, S., Goodman, A. C., & Stano, M. (2017). *The Economics of Health and Health Care*, Talyor and Francis.
- Henderson, J. W. (2017). *Health Economics and Policy*, Cengage Learning.
- Phelps, C. E. (2017). *Health Economics*, Routledge.
- Pranay G. Lal and Byword (2005), The National Commission on Macroeconomics and Health Report. Ministry of Health & Family Welfare. Government of India, New Delhi
- Rout, H. and Panda, P.K. (2007). *Health Economics in India*, New Century Publications, New Delhi.

SEMESTER - VI
Public Administration

Name of Program	Public Administration	Program Code	UMBA4
Name of the Course	Hospital Administration	Course Code	27PUB406MV01OD
Hours per Week	04	Credits	4
Maximum Marks	Theory Internal 70 30	Time of Examinations	3 Hours

Note:

Examiner will set nine questions and the candidates will be required to attempt five questions in all. Question number one will be compulsory containing short answer type questions from all units. Further, examiner will set two questions from each unit and the candidates will be required to attempt one question from each Unit. All questions will carry equal marks.

Course Learning Outcomes (CLO):

CLO 1: To provide knowledge about basics of hospital and hospital administration

CLO 2: To generate awareness about the role and responsibilities of nursing, para-medical staff & Security staff.

CLO 3: To apprise the students about the hospital waste management process & the role & responsibility of Healthcare Authorities towards it.

CLO 4: To provide understanding about the role of Medical Superintendent (MS), PRO, HRM & ICT in Hospitals

Unit 1:

Hospital- Meaning, Definition, Nature, Scope & Hospital Ethics

Hospital Administration - Meaning, Definition, Functions & Role of Hospital Administration, Administration of Hospital Services- In- Patient, Out- Patient(OPD), Intensive Care Unit & Emergency Services

Challenges of Hospital Administration in New Millennium

Unit 2:

Nursing Services in Hospitals- Definition, Brief History, Organisation of Nursing Services, Functions of Nursing Service Department.

Role of Para-Medical Staff

Disaster management in Hospitals- Pre, During & Post Disaster Phase

Security Administration in Hospital -

Unit 3:

Hospital Waste Management- Meaning, Types, and Categorization

Process of BMWM-Segregation, Collection, Transportation, & Disposal

Role & Responsibility of Healthcare Authorities in Hospital Waste Management

Unit 4:

Role of Medical Superintendent (MS)

Public Relations in Hospitals

Role of HRM in Hospitals

Role of ICT in Hospitals

Suggested Readings:

- Goel, S.L., Hospital Administration and Management, Rajouri Garden , Deep & Deep Publication, Vol- I.
- Goel, S.L., Hospital Administration and Management, Rajouri Garden , Deep & Deep Publication, Vol- II.
- Goel, S.L., Hospital Administration and Management, Rajouri Garden , Deep & Deep Publication, Vol- III.
- Goel, R.C, Hospital Administration and Human Resource Management, PHI Learning Private Limited, 2013
- Alexander, Edythe L., Nursing Administration in the Hospital Health Care System, Mobsy, St, Louis, 1972.
- Alexander Edythe, et al., Nursing Service Administration, New York, C.V. Mobsy Company, 1962.
- Anderson, C.L., Health Principles and Practice, St Louis, C.V. Mobsy, 1967.
- Brockington, Fraser, C., World Health, London, Churchill, 1967.
- Bennett, J.V., Brachman, P.S. (1979): eds., Hospital Infections, Boston.
- Block, Seymour, S. (1977): "Sterilization by Heat," Disinfection, Sterilization and Preservation, Second Edition, Philadelphia, P.A.: Lea and Febiger.
- India, Report of the Health Survey and Planning Committee, Ministry of Health, August 1959, October 1961.
- India, Planning Commission, Five Year Plans, New Delhi.
- India, Lok Sabha Secretariat, Estimates Committes and Public Accounts Committee Reports.
- India, Annual Reports of the Ministry of Health and Family Welfare.
- India, India and World Health Organization, 1959.

SEMESTER VI

Political Science

Name of Program		Program Code	
Name of the Course	International Politics-II	Course Code	27POL406MV01OD
Hours per Week	4	Credits	4
Maximum Marks	100 External: 70 Internal : 30	Time of Examinations	3 Hours

Note:

Examiner will set nine questions and the candidates will be required to attempt five questions in all. Question number one will be compulsory containing short answer type questions from all units. Further, examiner will set two questions from each unit and the candidates will be required to attempt one question from each Unit. All questions will carry equal marks.

Course Learning Outcomes (CLO) are to:

- CLO 1: Analyze the complexities of the globalized world
CLO2. Demonstrate an understanding of the key historical events which shaped the international events in the 20th century
CLO3. Evaluate the visible and invisible impact of global developments on domestic settings and relations between global and regional politics
CLO4. Discuss the basic structure, key actors, institutions and their functioning
CLO5. Put emphasis on the new world order and contemporary challenges faced in multiple global interaction

Unit 1:

Ideology in International Relations

National Interest, Foreign Policy and Diplomacy and their inter relationship

Unit 2:

Cold War, Non-Alignment, End of Cold War.

Unit 3:

War : Meaning, Types and Causes

Meaning of Disarmament and Arms-control: Types of Disarmament;

History of Disarmament: Partial Test Ban Treaty, NPT, CTBT.

Unit 4:

New International Economic Order, North-South Dialogue, Globalization, Environmentalism.

References:

1. John, Baylis and Steve Smith, *Globalization of World Politics*, Oxford, London, 1997.
2. P.Allan and K. Goldman (eds.), *The End of the Cold War*, Dordrecht, Martinus Nijhoff, 1992.
3. S. Burchill et. al., *Theories of International Relations*, Hamsphire, Macmillan, 2001.
4. K.W. Deutsch, *The Analysis of International Relations*, New Delhi, Prentice

Hall, 1989.

5. F. Halliday, *Revolution and World Politics: The Rise and Fall of the Sixth Great*
6. F. Halliday, *Rethinking International Relations*, Basingstoke, Macmillan, 1994.
7. S.H. Hoffman, *Essays in Theory and Politics of International Relations*, Boulder
8. M.S. Rajan, *Non-Alignment and the Non-Alignment Movement in the Present World Order*, Delhi, Konark, 1994.
9. M.P. Sullivan, *Theories of International Politics: Enduring Paradigm in a Changing World*, Hampshire, Macmillan, 2001.
1. J. Coleman, *A History of Political Thought: From Ancient Greece to Early Christianity*, London, Blackwell, 2000.
2. M. Cowling, *Mill and Liberalism*, Cambridge, Cambridge University Press, 1963.
3. M. Curtis, *The Great Political Theories 2. Vols.*, New York, Avon., 1961.
4. W.L. Davidson, *Political Thought in England: The Utilitarians from Bentham, to Mill*, Oxford, Oxford University Press, 1957.
5. J.A. Dunning, *History and Political Theories*, New York, Macmillan, 1902.
6. M.B. Foster, W.T. Jones and L.W. Lancaster, *Masters of Political Thought*, 3 Vols., London, George G. Harrap and Co. Ltd., 1959.
7. R.G. Gettel, *History of Political Thought*, New York, Novell. & Co., 1924.

SEMESTER - VI**History**

Name of the Program	Under Graduate Single Major Programme	Program Code	USHIS4
Name of the Course	<u>Principles of Conservation</u>	Course Code	27HIS406MV01OD
Hours per week	4	Course Credits	4
Max. Marks	100 {External (term-end exam) – 70} (Internal – 30)	Time of Examination	3 Hours

Note: Examiner will set nine questions and the candidates will be required to attempt five questions in all. Question number one will be compulsory containing short answer type questions from all units. Further, examiner will set two questions from each unit and the candidates will be required to attempt one question from each Unit. All questions will carry equal marks.

Course Learning Outcomes (CLO):

1. Students will be able to get the basic knowledge of conservation.
2. Students will be able to understand the types and ethics of conservation.
3. Students will be able to get basic knowledge of the reason for deterioration.
4. Students will be able to effectively understand the relevance of conservation for Society.

Unit - I

1. Definitions of archaeological Conservation: Preventive, Remedial and Restoration
2. Nature and Properties of Material of Collection: Organic, Inorganic and Composite
3. Ethics of Conservation
4. Conservation Policy

Unit – II

1. Causes and Types of Deterioration
2. General principles and guidelines for conservation and preservation: Monuments, Sites/Excavated remains in India, Historic Gardens
3. Role of Archaeological Survey of India in the preservation of monuments in India and abroad
4. Preventive Conservation: Significance and Effectiveness and Implementation

Unit – III

1. Salvaging and transplantation of monuments
2. Reconstruction and restoration of monuments
3. Projects execution of conservation of important monuments
4. Methodology of Remedial Conservation: Techniques of examination, Diagnosis of Type and Extent of Decay

Unit – IV
<ol style="list-style-type: none"> 1. Preservation and environmental development 2. New Importance of knowledge of archaeology, civil engineering, art and architecture for conservation of monuments 3. Exposure to indigenous practices techniques and treatises (eg. manasara, agamas, etc) 4. Distribution of monuments in different geographical/seismic zones and their conservation problem

References:
<ul style="list-style-type: none"> • Adams, W. Y. and E. W. Adams, Archaeological Typology and Practical Reality: A Dialectical Approach to Artifact Classification and Sorting. Cambridge, 1991 • Agrawal, D. P. and J. S. Kharakwal, Bronze and Iron Ages in South Asia, New Delhi, 2003 • Agrawal, D. P. and M. D. Yadava, Dating the Human Past, Pune, 1995 • Allchin, B. and F. R. Allchin, Origins of a Civilization: The Prehistory and Early Archaeology of India, New Delhi, 1997 • Allchin, B. and F. R. Allchin, The Rise of Civilization in India and Pakistan, Cambridge, 1982 • Banning, E. B., The Archaeologist's Laboratory - The Analysis of Archaeological Data, New York, 2002 • Chakrabarti, D. K., Fifty Years of Indian Archaeology (1960-2010): Journey of a Foot Soldier, New Delhi, 2012 • Chakrabarti, D. K., History of Indian Archaeology, New Delhi, 1988 • Chakrabarti, D. K., History of Indian Archaeology: The Beginning to 1947, New Delhi, 1995 • Delgado, J. P., Encyclopedia of Underwater and Maritime Archaeology, New York, 1998 • Dhavalikar, M. K., Historical Archaeology of India, New Delhi, 1999 • Drewett, L. Peter, Field Archaeology, London, 1999 • Eddy, F. W., Archaeology A Cultural – Evolutionary Approach, New Jersey, 1984 • Fagan, B., In the Beginning: An Introduction to Archaeology, London, 1994 • Gamble, C., Archaeology: the Basics, London, 2008 • Ghosh, A., An Encyclopaedia of Indian Archaeology, Vols. I and II, New Delhi, 1989 • Grant, J. S. Gorin and N. Fleming, The Archaeology Course Book: An Introduction to Study, Skills, Topics and Methods, London, 2002 • Gurukul, Rajan, Cultural History of Kerala, Trivandrum, 1999 • Hodder, I. and S. Hutson, Reading the Past – Current Approaches to Interpretation in Archaeology, Cambridge, 2003 • Kenoyer, J. M., Ancient Cities of the Indus Civilization, Oxford, 1998 • Palmer, M. and P. Neaverson, Industrial Archaeology: Principles and Practice, London, 1998 • Rajan, K., Principles and Methods of Archaeology, Thanjavur, 2003 • Raman, K. V., Principles and Methods of Archaeology, Chennai, 1998 • Renfrew, C. and P. Bahn, Archaeology: the Key Concepts, London, 2005 • Sengupta, G. and K. Gangopadhyay, Archaeology in India – Individuals, Ideas and Institutions, New Delhi, 2009 • Skeates, R., C. McDavid and J. Carman, The Oxford Handbook of Public Archaeology, Oxford, 2012

Note: In addition, students are advised to consult the current Research Journal of History.