



MAHARSHI DAYANAND UNIVERSITY, ROHTAK
(A State University Establishment under Haryana Act No. XXV of 1975)
'A+' Grade University Accredited by NAAC

Dated: 01-09-2020

NOTICE FOR INVITING SUGGESTIONS/COMMENTS
ON DRAFT ORDINANCE OF B.A, B.Sc., B.Com. (Pass) PROGRAMS
UNDER CBCS FOR THE SESSION 2020-21

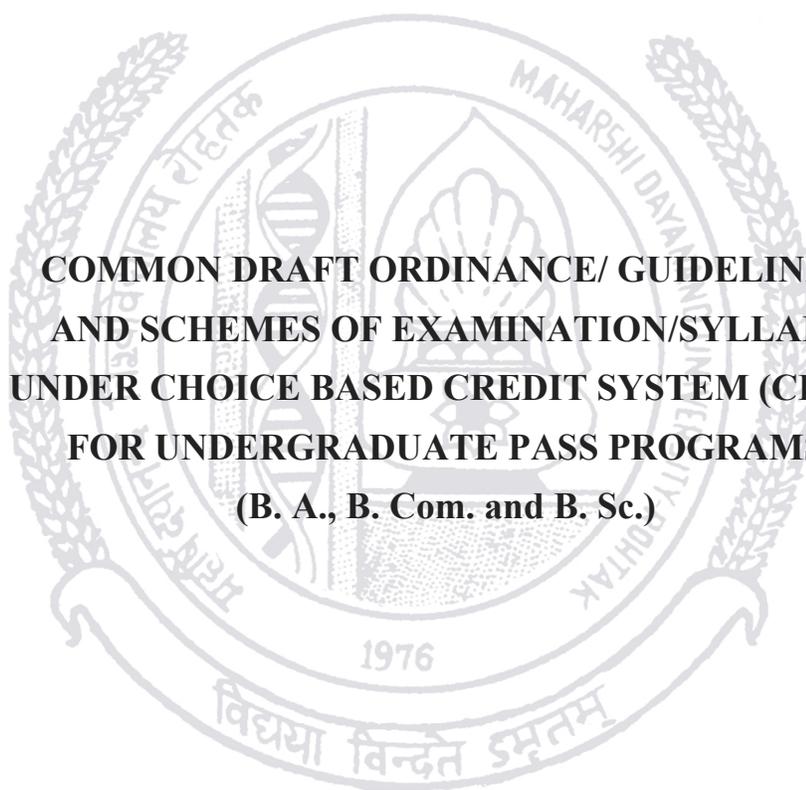
Comments/suggestions are invited from all the stakeholders i.e Deans of the Faculties, HODs, Faculties and Principals of Affiliated Colleges on the Draft Ordinance of B.A./B.Sc./B.Com. (Pass) Programs under CBCS (copy enclosed) through e-mail to the Dean, Academic Affairs (dean.academic@mdurohtak.ac.in) upto 15.09.2020, so that the same may be incorporated in the final draft.

Dean, Academic Affairs



MAHARSHI DAYANAND UNIVERSITY ROHTAK

**COMMON DRAFT ORDINANCE/ GUIDELINES
AND SCHEMES OF EXAMINATION/SYLLABI
UNDER CHOICE BASED CREDIT SYSTEM (CBCS)
FOR UNDERGRADUATE PASS PROGRAMS
(B. A., B. Com. and B. Sc.)**



Choice Based Credit System is a student-centric approach to learning or acquiring higher education. It allows students greater flexibility to choose inter-disciplinary, intra-disciplinary and skill-oriented courses, that is, courses even from other disciplines according to their learning needs, interests and aptitude making education broad-based. One can take credits by combining unique combinations, of Value-added, Generic elective courses and MOOCs/Online courses.

A. ABOUT

This Ordinance shall apply to three years (six semesters) Undergraduate (B.A./B.Com./B.Sc.) programs being run in the affiliated Colleges. It shall come into force from the academic year, 2020-21.

B. KEY TERMS: DEFINITIONS

Program: It leads to degree at Undergraduate level (B.A./B.Com./B.Sc.)

Choice Based Credit System (CBCS): The CBCS provides an opportunity to the students to select from the prescribed courses comprising Core, Elective (Discipline Specific and Generic), and Ability Enhancement Courses (Ability Enhancement Compulsory Courses and Skill Enhancement Courses).

Course: It is a component of a program. Courses may carry different credits. These should define learning objectives and learning outcomes. A course may be designed to comprise lectures, tutorials, laboratory/practical work, field work, project work, viva, assignments, presentations, etc. or a combination of some of these.

Semester: Each Semester will consist of 15-18 weeks of academic work equivalent to 90 actual teaching days. The odd semester shall be scheduled from July to December and even semester from January to June.

Credit Based Semester System (CBSS): Under the CBSS, the award of degree is prescribed in terms of number of credits to be earned by a student.

Credit: A credit is a recognition for having taken a course at the University. It is a unit by which the course work is measured. It refers to the number of hours of instructions required per week. One credit is equivalent to one hour of teaching (lecture or tutorial) or two hours of practical/field work.

Non-Credit Course: It includes Extra-curricular activities (available in a particular institute) /Hobby/Sports /NCC /NSS /related courses. The University will draw a list of such courses.

Letter Grade: It is an index of the performance of students in a said course. Grades are denoted by letters O (Outstanding), A+ (Excellent), A (Very Good), B+ (Good), B (Above Average), C (Average), P (Pass), F (Fail) and Ab (Absent).

Grade Point: It is a numerical weight allotted to each letter grade on a 10-point scale.

Credit Point: It is the product of grade point and number of credits for a course.

Semester Grade Point Average (SGPA): It is a measure of performance of work done in a semester. SGPA is the ratio of total credit points secured by a student in various courses registered in a semester and the total course credits taken during that semester. It shall be expressed up to two decimal places.

Cumulative Grade Point Average (CGPA): Student's performance in examinations shall be gauged from Cumulative Grade Point Average (CGPA). The CGPA is the ratio of total credit points secured by a student in various courses in all semesters and the sum of the total credits of all courses in all semesters. It is expressed up to two decimal places.

Grade Card: Based on the grades earned, a grade card shall be issued to all the registered students after every semester. The grade card will display the course details (code, title, marks obtained, number of credits, grade secured) along with SGPA of that semester and CGPA earned upon successful completion of the program.

C. ADMISSION

Minimum qualification for admission

A person who has passed the Senior Secondary Examination (10+2) from Board of School Education Haryana, Bhiwani, the Central Board of Secondary Education (CBSE), Council for the Indian School Certificate Examinations (CISCE) or any other examination recognized by M.D. University, Rohtak as equivalent thereto shall be eligible for admission. The detailed eligibility conditions, for instance, percentage of marks in the qualifying examination shall be notified in the Admission Brochure as approved by the Academic Council from time to time.

D. DEGREE REQUIREMENTS

An undergraduate degree in:

- **Arts** may be awarded if a student completes 4 Core Courses each in two disciplines of choice, 2 Core Courses each in English and Hindi / Modern Indian Language (MIL) respectively, 2 courses each from a list of Discipline Specific Elective Courses based on the two disciplines of choice selected above respectively, 2 courses from the list of Generic Elective (GE) Courses, 2 Ability Enhancement Compulsory Courses (AECC), and 4 Skill Enhancement Courses (SEC).
- **Commerce** may be awarded if a student completes 8 Core Courses in the discipline, 2 Core Courses each in English and Hindi / Modern Indian Language respectively, 4 Courses from a list of Discipline Specific Electives, 2 courses from the list of Generic Elective Courses, 2 Ability Enhancement Compulsory Courses, and 4 Skill Enhancement Courses.
- **Science** may be awarded if a student completes 4 Core Courses each in three disciplines of choice, 2 courses each from a list of Discipline Specific Elective Courses based on the three disciplines of choice selected above, respectively, 2 Ability Enhancement Compulsory Courses, and 4 Skill Enhancement Courses.

E. CHOICE BASED CREDIT SYSTEM

The courses in the program shall be of three kinds: Core, Elective (Discipline Specific and Generic) and Ability and Skill Enhancement.

1. **Core Course:** A course, to be compulsorily studied by a candidate as a core requirement to complete the degree in a given discipline/program. Four courses each from three disciplines of Choice in case of B.Sc. and four courses each from two disciplines of choice along with two courses each in English and Hindi/Modern Indian Language (MIL) in case of B.A./B.Com.
2. **Elective Course:** It is very specific or specialized or advanced or supportive to the discipline/ subject of study. It enables an exposure to some other discipline/subject/domain or nurtures the candidate's proficiency/skill. This course can be chosen from a pool of courses.

2.1 Discipline Specific Elective (DSE) Course: Elective courses offered by the main discipline/subject of study are referred to as Discipline Specific Elective. Two each from the two disciplines of choice in case of B.A./B.Com. and two each from the three disciplines of choice in case of B.Sc. as per the course combinations prescribed in **Section F**.

2.2 Project/ Field work: Project/ Field work is considered as a special course involving application of knowledge in solving / analyzing /exploring a real life situation / difficult problem. A candidate studies such a course on his own with an advisory support by a teacher. The Project/ Field work would be of six credits. A Project/ Field work may be given in lieu of a discipline specific elective course.

2.3 Generic Elective (GE) Course: An elective course chosen generally from an unrelated discipline/subject, with an intention to seek exposure is called a Generic Elective. Generic Elective Course offers the students the option to explore disciplines of interest beyond the choices they make in Core and Discipline Specific Elective courses. These would comprise two courses each for B.A./B.Com. programs only.

A core course offered in a discipline/subject may be treated as an elective by other discipline/subject and vice versa and such electives may also be referred to as Generic Elective.

GE focuses on those courses which add generic proficiency to the students.

3. **Ability Enhancement Courses (AEC):** The Ability Enhancement (AE) Courses may be of two kinds: Ability Enhancement Compulsory Courses (AECC) and Skill Enhancement Courses (SEC).

3.1 Ability Enhancement Compulsory Courses (AECC): These courses are based upon the content that leads to knowledge enhancement:

- i. Environmental Science and
- ii. English/ Hindi /MIL Communication

These are mandatory for all disciplines.

3.2 Skill Enhancement Courses (SEC) (Four for regular courses): These courses are value-based and/or skill-based and are aimed at providing hands-on-training, competencies, skills, etc. These courses may be chosen from a pool of courses designed to provide value-based and/or skill-based knowledge.

4. **Practicals /Tutorials:** One each with every core and discipline specific / generic elective course.

F. SUBJECT COMBINATION FOR B.A./B.Sc. PART-I, II AND III

B.A. Part- I, II & III

| Group-I | Group-II | Group-III |
|-----------------|-----------------------|---------------------------------|
| Applied Art | Computer Applications | Art |
| Commerce | Home Science | Geography |
| Defence Studies | Mathematics | Journalism & Mass Communication |
| Economics | Music (Vocal) | Marketing |
| Hindi | Philosophy | Music (Instrumental) |
| History | Public Administration | NSS |
| Psychology | Sociology | Physical Education |
| Punjabi | | Political Science |

| | | |
|----------|--|------------|
| Sanskrit | | Statistics |
| Urdu | | |

B.Sc. Part – I, II & III

| Group I | Group – II | Group - III |
|-------------|------------|------------------------|
| Botany | Physics | Chemistry |
| Mathematics | Zoology | Computer Science |
| | | Electronics |
| | | Information Technology |
| | | Statistics |

Medical Group

Botany, Zoology & Chemistry/Geology

Non Medical Group

- Mathematics, Physics & anyone from Group III
- Computer Science, Statistics & Mathematics (CSM)

G. PROGRAM/COURSE CREDIT STRUCTURE AND CREDIT SCORE

- The Credit Equivalence in terms of hours in Credit Based Semester System would be as follows:

1 Credit = 1 Theory (Lecture-L) period of one-hour duration/ week

1 Credit = 1 Tutorial (T) period of one-hour duration / week

1 Credit = 1 Practical (P) period of two hours duration/week

L: T: P pattern will be:

Core/DSE/GE

5:1:0 or 4:0:2

(Wherever there is a practical, there will be no tutorial and vice-versa)

AECC/SEC

4 credits

Size of Groups for:

Tutorial: 12-15 Students

Practical: 20 Students

Project/Field work: 12-15 Students

For project/field work and report writing course of six credits, one hour/group will be counted for the purpose of work load of a teacher.

- Credit Score required:** 132 credits (minimum) but not to exceed 140 credits.

The credit(s) for each theory course/practical/tutorial/project will be as per the details given in the Schemes for B.A., B.Com. and B.Sc. Programs.

Layout of Program-wise Courses: Semester and Program -wise Courses

| Semester/ Program | B.A. /B.Com. | | | | | B.Sc. | | | |
|---------------------------------------|------------------------|---------------------|---------------------|--------------------|---------------------|----------------------|---------------------|--------------------|---------------------|
| | Eng/Hindi/MIL +Core | DSE | GE | AECC | SEC | Core | DSE | AECC | SEC |
| I | 1+2 | 0 | 0 | 1 | 0 | 3 | 0 | 1 | 0 |
| II | 1+2 | 0 | 0 | 1 | 0 | 3 | 0 | 1 | 0 |
| III | 1+2 | 0 | 0 | 0 | 1 | 3 | 0 | 0 | 1 |
| IV | 1+2 | 0 | 0 | 0 | 1 | 3 | 0 | 0 | 1 |
| V | 0 | 2 | 1 | 0 | 1 | 0 | 3 | 0 | 1 |
| VI | 0 | 2 | 1 | 0 | 1 | 0 | 3 | 0 | 1 |
| Total Course Credits (132) | 12× 6 (72) | 4×6 (24) | 2×6 (12) | 2×4 (8) | 4×4 (16) | 12×6 (72) | 6×6 (36) | 2×4 (8) | 4×4 (16) |

3. For admission to a PG Program (M.A., M.Com., M.Sc., etc.), a candidate should have studied a specific discipline at the undergraduate level, obtaining at least 24 credits in the concerned discipline to meet the requirement for admission to the concerned PG Program.

SCHEME FOR CHOICE BASED CREDIT SYSTEM

B.A./B.Com. Program

| Course | Credits | |
|---|--------------------------|--------------------------|
| | <u>Course+ Practical</u> | <u>Course + Tutorial</u> |
| <u>I. Core Course (6 Credits)</u> | | |
| (12 Courses) | 12X4=48 | 12x5=60 |
| Two courses – English | | |
| Two courses –Hindi/ MIL | | |
| Four courses – Discipline 1 | | |
| Four courses – Discipline 2 | | |
| Core Course Practical / Tutorial* | 12X2=24 | 12X1=12 |
| (12 Practicals) | | |
| <u>II. Elective Courses (6 Credits)</u> | | |
| (6 Courses) | 6x4=24 | 6x5=30 |
| Two courses- Discipline 1 specific | | |
| Two courses- Discipline 2 specific | | |
| Two courses- Generic elective | | |
| Elective Course Practical/Tutorials* | 6X2=12 | 6X1=6 |
| (6 Practical/ Tutorials*) | | |
| <ul style="list-style-type: none">• Project work in place of one elective course (6 credits) in 5th Semester | | |
| <u>III. Ability Enhancement Courses (AEC)</u> | | |
| i. Ability Enhancement Compulsory Courses (AECC) | | |
| (English/Hindi/MIL Communication) / Environmental Science | | |
| (2 Courses of 4 Credits each) | 2X4=8 | 2X4=8 |
| ii. Skill Enhancement Courses (SEC) | | |
| (4 Courses of 4 Credits each) | 4X4=16 | 4X4=16 |
| Total Credits | 132 | 132 |

Institute/College should evolve a system/ policy about Hobby/Sports/NCC/NSS/related courses on its own.

* Wherever there is a practical there will be no tutorial and vice-versa

2. B.Sc. Program

| Course | Credits | |
|---|-------------------|-------------------|
| | Course+ Practical | Course + Tutorial |
| <u>I. Core Course (6 Credits)</u> | | |
| (12 Courses) | 12X4=48 | 12x5=60 |
| 04 Courses from each of the 03 disciplines of choice | | |
| Core Course Practical / Tutorial* | 12X2=24 | 12X1=12 |
| (12 Practicals) | | |
| <u>II. Elective Course (6 Credits)</u> | | |
| (6 Courses) | 6x4=24 | 6x5=30 |
| Two courses- Discipline 1 specific | | |
| Two courses- Discipline 2 specific | | |
| Two courses- Generic elective | | |
| Elective Course Practical/Tutorials* | 6X2=12 | 6X1=6 |
| (6 Practical/ Tutorials*) | | |
| <ul style="list-style-type: none"> • Project work in place of one elective course (6 credits) in 5th Semester | | |
| <u>III. Ability Enhancement Courses</u> | | |
| i. Ability Enhancement Compulsory Courses (AECC) | | |
| (English/Hindi/MIL Communication) / Environmental Science | | |
| (2 Courses of 4 Credits each) | 2X4=8 | 2X4=8 |
| ii. Skill Enhancement Courses(SEC) | | |
| (4 Courses of 4 Credits each) | 4X4=16 | 4X4=16 |
| Total Credits | 132 | 132 |

Institute/College should evolve a system/ policy about Hobby/Sports/NCC/NSS/related courses on its own.

* Wherever there is a practical there will be no tutorial and vice-versa

Scheme for B.A. Program*

| Semester | Course Opted | Course Name | Credits | Total Marks |
|--------------------|--|---|------------|-------------|
| I | Ability Enhancement Compulsory Course-I | (English/ Hindi/ MIL Communication) / Environmental Science | 4 | 100 |
| | Core Course-I | DSC 1A (English/ Hindi/ MIL) | 6 | 150 |
| | Core Course-II | DSC 2A | 6 | 150 |
| | Core Course-III | DSC 3A | 6 | 150 |
| II | Ability Enhancement Compulsory Course-II | Environmental Science/(English/ Hindi/ MIL Communication) | 4 | 100 |
| | Core course-IV | DSC 1B (English/ Hindi/ MIL) | 6 | 150 |
| | Core course-V | DSC 2B | 6 | 150 |
| | Core Course-VI | DSC 3B | 6 | 150 |
| III | Skill Enhancement Course -1 | SEC-1 | 4 | 100 |
| | Core Course-VII | DSC 1C (English/ Hindi/ MIL) | 6 | 150 |
| | Core Course-VIII | DSC 2C | 6 | 150 |
| | Core Course-IX | DSC 3C | 6 | 150 |
| IV | Skill Enhancement Course -2 | SEC -2 | 4 | 100 |
| | Core course-X | DSC 1D (English/ Hindi/ MIL) | 6 | 150 |
| | Core Course-XI | DSC 2D | 6 | 150 |
| | Core Course-XII | DSC 3D | 6 | 150 |
| V | Skill Enhancement Course -3 | SEC-3 | 4 | 100 |
| | Generic Elective -1 | GE-1 | 6 | 150 |
| | Discipline Specific Elective -1 | DSE-1 | 6 | 150 |
| | Discipline Specific Elective – 2 | DSE-2 | 6 | 150 |
| VI | Skill Enhancement Course -4 | SEC-4 | 4 | 100 |
| | Generic Elective – 2 | GE-2 | 6 | 150 |
| | Discipline Specific Elective -3 | DSE-3 | 6 | 150 |
| | Discipline Specific Elective – 4 | DSE-4 | 6 | 150 |
| Grand Total | | | 132 | 3300 |

For illustrations, may refer to Annexure I.

* For admission to a PG Program (M.A., M.Com., M.Sc., etc.), a candidate should have studied a specific discipline at the undergraduate level, obtaining at least 24 credits in the concerned discipline to meet the requirement for admission to the concerned PG Program.

Scheme for B.Com. Program[†]

| Semester | Course Opted | Course Name | Credits | Total Marks |
|--------------------|--|---|------------|-------------|
| I | Ability Enhancement Compulsory Course-I | (English/ Hindi/ MIL Communication) / Environmental Science | 4 | 100 |
| | Core Course-I | DSC 1A English/ Hindi/ MIL-1 | 6 | 150 |
| | Core Course-II | DSC 2A | 6 | 150 |
| | Core Course-III | DSC 3A | 6 | 150 |
| II | Ability Enhancement Compulsory Course-II | Environmental Science / (English/ Hindi/ MIL Communication) | 4 | 100 |
| | Core course-IV | DSC 1B Hindi/ MIL/ English/ -1 | 6 | 150 |
| | Core course-V | DSC 2B | 6 | 150 |
| | Core Course-VI | DSC 3B | 6 | 150 |
| III | Skill Enhancement Course -1 | SEC-1 | 4 | 100 |
| | Core Course-VII | DSC 1C English/ Hindi/ MIL-2 | 6 | 150 |
| | Core Course-VIII | DSC 2C | 6 | 150 |
| | Core Course-IX | DSC 3C | 6 | 150 |
| IV | Skill Enhancement Course -2 | SEC -2 | 4 | 100 |
| | Core course-X | DSC 1D Hindi/ MIL/ English/ -2 | 6 | 150 |
| | Core Course-XI | DSC 2D | 6 | 150 |
| | Core Course-XII | DSC 3D | 6 | 150 |
| V | Skill Enhancement Course -3 | SEC-3 | 4 | 100 |
| | Generic Elective -1 | GE-1 | 6 | 150 |
| | Discipline Specific Elective -1 | DSE-1 | 6 | 150 |
| | Discipline Specific Elective – 2 | DSE-2 | 6 | 150 |
| VI | Skill Enhancement Course -4 | SEC-4 | 4 | 100 |
| | Generic Elective – 2 | GE-2 | 6 | 150 |
| | Discipline Specific Elective -3 | DSE-3 | 6 | 150 |
| | Discipline Specific Elective – 4 | DSE-4 | 6 | 150 |
| Grand Total | | | 132 | 3300 |

For illustrations, may refer to Annexure II.

[†] For admission to a PG Program (M.A., M. Com., M.Sc., etc.), a candidate should have studied a specific discipline at the undergraduate level, obtaining at least 24 credits in the concerned discipline to meet the requirement for admission to the concerned PG Program.

Scheme for B.Sc. Program[‡]

| Semester | Course Opted | Course Name | Credits | Total Marks |
|--------------------|--|--|------------|-------------|
| I | Ability Enhancement Compulsory Course-I | (English/ Hindi/ MIL Communication)/ Environmental Science | 4 | 100 |
| | Core Course-I | DSC 1A | 6 | 150 |
| | Core Course-II | DSC 2A | 6 | 150 |
| | Core Course-III | DSC 3A | 6 | 150 |
| II | Ability Enhancement Compulsory Course-II | Environmental Science/ (English/ Hindi/ MIL Communication) | 4 | 100 |
| | Core course-IV | DSC 1B | 6 | 150 |
| | Core course-V | DSC 2B | 6 | 150 |
| | Core Course-VI | DSC 3B | 6 | 150 |
| III | Skill Enhancement Course -1 | SEC-1 | 4 | 100 |
| | Core Course-VII | DSC 1C | 6 | 150 |
| | Core Course-VIII | DSC 2C | 6 | 150 |
| | Core Course-IX | DSC 3C | 6 | 150 |
| IV | Skill Enhancement Course -2 | SEC -2 | 4 | 100 |
| | Core course-X | DSC 1D | 6 | 150 |
| | Core Course-XI | DSC 2D | 6 | 150 |
| | Core Course-XII | DSC 3D | 6 | 150 |
| V | Skill Enhancement Course -3 | SEC-3 | 4 | 100 |
| | Discipline Specific Elective -1 | DSE-1A | 6 | 150 |
| | Discipline Specific Elective -2 | DSE-2A | 6 | 150 |
| | Discipline Specific Elective -3 | DSE-3A | 6 | 150 |
| VI | Skill Enhancement Course -4 | SEC-4 | 4 | 100 |
| | Discipline Specific Elective -4 | DSE-1B | 6 | 150 |
| | Discipline Specific Elective -5 | DSE-2B | 6 | 150 |
| | Discipline Specific Elective -6 | DSE-3B | 6 | 150 |
| Grand Total | | | 132 | 3300 |

For illustrations, may refer to Annexure III.

[‡] For admission to a PG Program (M.A., M. Com., M.Sc., etc.), a candidate should have studied a specific discipline at the undergraduate level, obtaining at least 24 credits in the concerned discipline to meet the requirement for admission to the concerned PG Program.

H. EXAMINATION AND ASSESSMENT

- i. The examination for the first, third and fifth semesters shall ordinarily be held in the months of November/December and for the second, fourth and sixth semesters, in the month of April/May on such dates notified by the Controller of Examinations.
- ii. A supplementary examination for 1st, 2nd, 3rd and 4th semesters shall be held along with their regular 1st, 2nd, 3rd and 4th semester examinations. However, the supplementary examination for 5th and 6th semesters shall be held simultaneously after every six months.
- iii. The examination schedule regarding online submission of examination forms with and without late fee shall be notified by the Controller of Examinations.

1. Requirements for Examinations

A candidate will be allowed to appear in the examination if s/he meets the following requirements:

- i. Bears a good moral character
- ii. Has been on the rolls of the Department/College/institution during the semester.
- iii. Has attended not less than 65% of lectures delivered in theory and 75% in practical. Relaxation in shortage of lectures up to 20% will be allowed by the Head of the Department/Principal of the College/Institute on the following grounds:
 - a. Self-illness;
 - b. Illness/death of parents, brother, sister or any other close family member;
 - c. Any other reasons beyond the control of the student to the satisfaction of the Head of the Institution/Department.
 - d. On account of participation in NCC/NSS/Sports/Cultural activities for the actual number of working days.
- iv. It is mandatory for the student to fill up examination form alongwith required fee other he/she will not be promoted to the next semester and he has to seek re-admission in the relevant semester.

2. Medium of Instruction and Examinations

- i. The medium of instruction shall be Hindi/English/Language concerned for B.A./B.Com. and English for B.Sc.
- ii. The question papers will be set in:
 - a. Sanskrit/Hindi/English in case of Sanskrit;
 - b. The language concerned in the case of other languages;
 - c. In both Hindi and English in the case of other courses of B.A./B.Com. and English only in case of B.Sc.

iii. Candidate shall write answer in:

- a. The language concerned in the case of English and MIL, except Sanskrit in which the answer may be written in Sanskrit/Hindi/English;
- b. Hindi or English in the case of other courses of B.A./B.Com. and English only in case of B.Sc.

3. Internal Assessment

20% marks in each theory course (excluding practicals), shall be assigned for internal assessment. The Head of the Department/Principal shall forward the internal assessment marks awarded by the concerned teacher on the basis of class test, written assignment, presentation and attendance in the classes to the Controller of Examinations. The Head of the Department/Principal will preserve the records of internal assessment awards up to three months from the date of declaration of the semester examination results.

Distribution of Internal Assessment (20 % of the total marks in each theory course) will be as follows:

| Nomenclature | Percentage of Total Marks |
|--|---------------------------|
| i. Class Test | : 10 |
| ii. One Assignment (written/presentation) | : 5 |
| iii. Attendance | : 5 |
| a. Less than 65% | : 0 |
| b. $\geq 65\%$ but $\leq 70\%$ | : 2 |
| c. $>70\%$ but $\leq 75\%$ | : 3 |
| d. $>75\%$ but $\leq 80\%$ | : 4 |
| e. Above 80% | : 5 |

4. Project Report

Two copies of the Project Report, wherever prescribed in the syllabus/scheme of examination, will be required to be submitted by the student to the Principal of the concerned college within 10 days after the commencement of theory examinations. One of these copies is required to be submitted to the concerned office of the University by the Principal of the concerned college within 20 days after the commencement of the theory examinations.

5. Evaluation of Project/Field Work Report/Practicals

The evaluation/viva-voce of Field Work/Practicals would be done by a Board of an internal and external examiners at the College/Institution concerned.

Evaluation of Project Report would be done by the University. However, viva-voce would be done by a board of an internal and external examiners at the College concerned.

6. Marks Structure

The theory and practical component (wherever required) of each course shall be as follows:

i. Core/ Discipline Specific/ Generic Elective

a) Course with Theory and Practical component:

| | |
|-----------------------|----|
| Theory Examination | 80 |
| Internal Assessment | 20 |
| Practical Examination | 50 |

b) Course with only Theory:

| | |
|---------------------|-----|
| Theory Examination | 120 |
| Internal Assessment | 30 |

c) Field work /Project report:

| | |
|----------------------|-----|
| Evaluation of Report | 100 |
| Viva-voce | 50 |

In case of Music (Vocal/Instrumental), Art /Applied Art, the marks structure shall be as follows:

| | |
|-----------------------|-----|
| d) Theory Examination | 40 |
| Internal Assessment | 10 |
| Practical Examination | 100 |

ii. Ability Enhancement Courses

a) Ability Enhancement Compulsory Course/ Skill Enhancement Courses (with Practical)

| | |
|-----------------------|----|
| Theory Examination | 40 |
| Internal Assessment | 10 |
| Practical Examination | 50 |

b) Ability Enhancement Compulsory Course/ Skill Enhancement Courses (Theory only):

| | |
|---------------------|----|
| Theory Examination | 80 |
| Internal Assessment | 20 |

7. Re-appear and Promotion in the Next Examination

- i. Every candidate shall be examined in the subject (s) as laid down in the syllabus and scheme of examination prescribed by the Academic Council from time to time. The fail/re-appear candidates will also appear in the exam as per syllabus applicable to regular students of that semester.
- ii. A candidate who fails to pass or having been eligible or fails to appear in any semester examination will be allowed to reappear after passing a semester examination within a period of six years. While reappearing to pass a semester examination, the candidate will be exempted from reappearing in the theory/ practicals in which he/she has secured minimum 40% pass marks.
- iii. The internal assessment awards as well as viva-voce awards of a candidate who fails in any semester examination shall be carried forward to the next examination.

8. Declaration of Results

The Controller of Examinations shall declare the result as early as possible.

9. Improvement

After passing each semester examination, a candidate will be allowed to appear for improvement of result in one or more theory courses only once within the period prescribed in Clause 8 (ii). Only improved marks (higher score) will be taken into account. The candidate will have to appear according to the syllabus, as applicable at that point of time.

10. Grace Marks

Grace marks may be allowed as per University rules.

I. GRADING OF THE MARKS OBTAINED

| Letter Grade | Performance | Grade Point | Percentage of Marks Obtained |
|--------------|---------------|-------------|------------------------------|
| O | Outstanding | 10 | 90.00 – 100.00 |
| A+ | Excellent | 9 | 80.00 – 89.99 |
| A | Very Good | 8 | 70.00 – 79.99 |
| B+ | Good | 7 | 60.00 – 69.99 |
| B | Above Average | 6 | 50.00 – 59.99 |
| C | Average | 5 | > 40.00 – 49.99 |
| P | Pass | 4 | 40.00 |
| F | Fail | 0 | < 40.00 |
| Ab | Absent | 0 | – |

- i. The minimum percentage of marks to pass the examination in each semester shall be:
 - a) 40% in each theory course
 - b) 40% in each practical/project/field work examination
 - c) 40% in the aggregate of each theory course and internal assessment (and practical where practical is a component of theory course)
- ii. A student obtaining Grade F shall be considered ‘Fail’ and will be required to reappear in the examination.
- iii. For non-credit courses ‘Satisfactory’ or ‘Unsatisfactory’ shall be indicated instead of the letter grade and this will not be counted for the computation of SGPA / CGPA.

J. COMPUTATION OF SGPA AND CGPA

$$\text{SGPA (Si)} = \frac{\sum(C_i \times G_i)}{\sum C_i}$$

where C_i is the number of credits of the i th course and G_i is the grade point scored by the student in the i th course.

$$\text{CGPA} = \frac{\sum(C_i \times S_i)}{\sum C_i}$$

where S_i is the SGPA of the i th semester and C_i is the total number of credits in that semester.

The SGPA and CGPA shall be rounded off to 2 decimal points and reported in the transcripts.

K. DECLARATION OF DIVISION/ DISTINCTION

Detailed Marks Card for UG Programs shall indicate percentage of marks calculated solely on the basis of marks secured by a candidate along with SGPA/CGPA earned by the candidate.

The list of successful candidates after the sixth semester examination shall be arranged as under in three divisions on the basis of the aggregate marks obtained in the 1st, 2nd, 3rd, 4th, 5th and 6th semester examinations taken together, and the division obtained by the candidate will be mentioned in his/her Degree:

- | | | |
|----|------------------------|-----------------|
| a. | 60 % and above | First Division |
| b. | 50 % to less than 60 % | Second Division |
| c. | Less than 50 % | Third Division |

If a candidate secures 75% or more marks in a program in first attempt, s/he will be awarded 1st class Degree with Distinction.

Transcript (Format): Transcript will be issued based on the Marks, Grade points (SGPA, CGPA) along with percentage of aggregate marks.

CBCS BOARD FOR UG PROGRAMS

The CBCS Board for UG Programs shall comprise the following:

A) Dean Academic Affairs-Chairperson

B) Members

i) Dean of each of the following faculties:

- a. Faculty of Life Sciences*
- b. Faculty of Physical Sciences*
- c. Faculty of Commerce*
- d. Faculty of Social Sciences*
- e. Faculty of Performing & Visual Arts*
- f. Faculty of Humanities*

ii) Director, IQAC

iii) Registrar

- iv) *Director, Computer Centre*
- v) *Controller of Examinations*
- vi) *Three Principals from amongst affiliated colleges (one representative each from state/aided/self-financing) running B.A./ B.Com./ B.Sc. programs to be nominated by the Vice-Chancellor.*

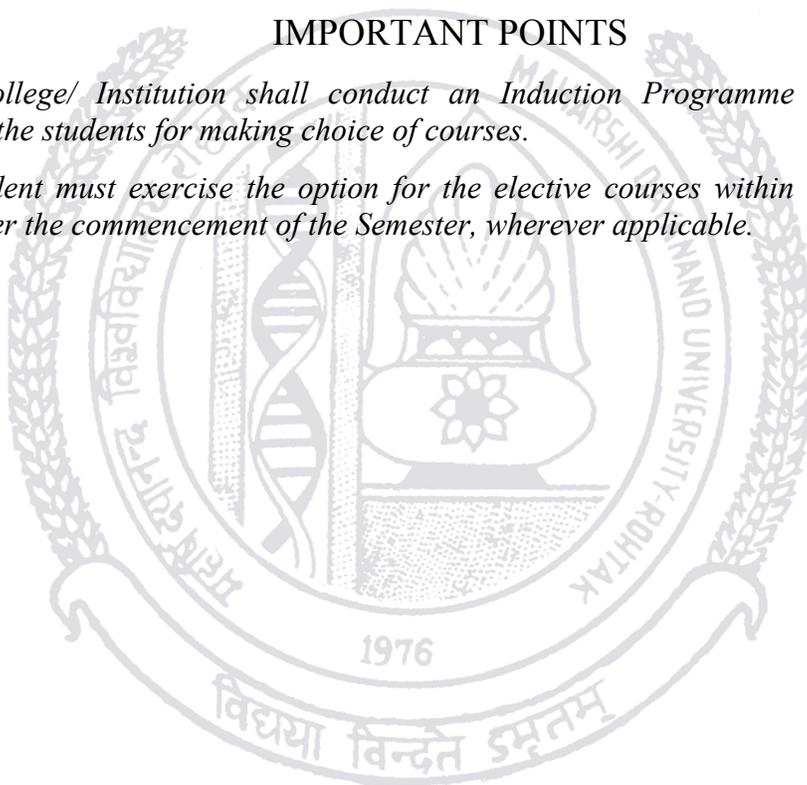
C) *Branch Officer (Academic)-Member Secretary*

The CBCS Board will recommend to the Academic Council:

- i) The nomenclature and course contents for the different Generic/Skill Enhancement Elective courses and the MOOCs/Online Courses offered/identified for various Programs;
- ii) Suggest for the advancement in the standards of teaching and examinations;
- iii) Deal with the matter related to computation of SGPA, CGPA and the results.

IMPORTANT POINTS

- ▶ *Each college/ Institution shall conduct an Induction Programme to counsel the students for making choice of courses.*
- ▶ *The student must exercise the option for the elective courses within 10 days after the commencement of the Semester, wherever applicable.*



B.A Pass Course under Choice Based Credit System**Geography and History in B.A. Pass Course:****Proposed Scheme of Examination**

| Sem. | Course Opted | Course Name | Credits | Marks | Int. Assess. | Total Marks |
|-------------|--|--|----------------|--------------|---------------------|--------------------|
| I | Ability Enhancement Compulsory Course-I | (English/ Hindi/ MIL Communication)/ Environmental Science | 4 | 80 | 20 | 100 |
| | Core Course-I | English/ Hindi/ MIL | 6 (5+1) | 120 | 30 | 150 |
| | Core Course-II (Theory) | Physical Geography | 4 | 80 | 20 | 100 |
| | Core Course-II (Practical) | Maps and Scales | 2 | 50 | 00 | 050 |
| | Core Course-III | History of India (Earliest Times to 1200 AD) | 6 (5+1) | 120 | 30 | 150 |
| II | Ability Enhancement Compulsory Course-II | (English/ Hindi/ MIL Communication)/ Environmental Science | 4 | 80 | 20 | 100 |
| | Core Course-IV | English/ Hindi/ MIL | 6 (5+1) | 120 | 30 | 150 |
| | Core Course-V (Theory) | Human Geography. | 4 | 80 | 20 | 100 |
| | Core Course-V (Practical) | Map Projections | 2 | 50 | 00 | 050 |
| | Core Course-VI | History of India (1200 AD to 1707 AD) | 6 (5+1) | 120 | 30 | 150 |
| III | Skill Enhancement Course -1 | SEC - 1 [#] | 4 | 80 | 20 | 100 |
| | Core Course-VII | English/ Hindi/ MIL | 6 (5+1) | 120 | 30 | 150 |
| | Core Course-VIII (Theory) | Cartographic Techniques | 4 | 80 | 20 | 100 |
| | Core Course-VIII (Practical) | Topographical Sheets and Representation of Relief Features | 2 | 50 | 00 | 050 |
| | Core Course-IX | History of India (1707 AD to 1947 AD) | 6 (5+1) | 120 | 30 | 150 |

| | | | | | | |
|--------------------|--|--|------------|-----|----|-------------|
| IV | Skill Enhancement Course -2 | SEC - 2 [#] | 4 | 80 | 20 | 100 |
| | Core Course-X | English/ Hindi/ MIL | 6 (5+1) | 120 | 30 | 150 |
| | Core Course-XI (Theory) | Environmental Geography | 4 | 80 | 20 | 100 |
| | Core Course-XI (Practical) | Distribution Maps and Diagrams | 2 | 50 | 00 | 050 |
| | Core Course-XII | Contemporary History of India (1950 AD to 2000 AD) | 6 (5+1) | 120 | 30 | 150 |
| V | Skill Enhancement Course -3 | SEC - 3 [#] | 4 | 80 | 20 | 100 |
| | Generic Elective - 1 | GE-1 ^{\$} (Geography/History) | 6 (5+1) | 120 | 30 | 150 |
| | Discipline Specific Elective -1 (Theory) | DSE -1* (Geography) | 6 (5+1) | 120 | 30 | 150 |
| | Discipline Specific Elective – 2. | DSE -2*(History) | 6 (5+1) | 120 | 30 | 150 |
| VI | Skill Enhancement Course -4 | SEC - 4 [#] | 4 | 80 | 20 | 100 |
| | Generic Elective – 2 | GE-2 ^{\$} (Geography/History) | 6 (5+1) | 120 | 30 | 150 |
| | Discipline Specific Elective -3 (Theory) | DSE -3* (Geography) | 6 (5+1) | 120 | 30 | 150 |
| | Discipline Specific Elective – 4. | DSE -4* (History) | 6 (5+1) | 120 | 30 | 150 |
| Grand Total | | | 132 | | | 3300 |

B.A. Pass Course with Geography and History as subjects

A) Discipline Specific Core Courses (Geography) (Credit: 4+2)

1. Physical Geography and Maps and Scales.
2. Human Geography and Map Projections.
3. Cartographic Techniques and Topographical Sheets and Representation of Relief Features.
4. Environmental Geography and Distribution Maps and Diagrams

B) Discipline Specific Core Courses (History) (Credit: 5+1)

1. History of India (Earliest Times to 1200 AD)
2. History of India (1200 AD to 1707 AD)
3. History of India (1707 AD to 1947 AD)
4. Contemporary History of India (1950 AD to 2000 AD)

C) ^sGeneric Elective Geography (Credit: 5+1)

Semester - V (Select any one of the two options)

1. Disaster Management.
2. Rural Geography.

Semester - VI (Select any one of the two options)

1. Climate Change Vulnerability and Mitigation.
2. Geography of Tourism

D) ^sGeneric Elective History (Credit: 5+1)

Semester - V (Select any one of the two options)

1. History of Haryana (Earliest Times to 1526 AD)
2. Contemporary World (1945 AD to 1990 AD)

Semester - VI (Select any one of the two options)

1. History of Haryana (1526 AD to 1947 AD)
2. History of Far East (1840 AD to 1950 AD)

E) *Discipline Specific Elective Course (Geography) (Credit: 4 + 2 each)

Semester - V (Select any one of the three options)

1. Geography of India.
2. Geography of Asia.
3. World Regional Geography

Semester - VI (Select any one of the three options)

1. Economic Geography.
2. Regional Development and Planning. 1976
3. Agricultural Geography

F) *Discipline Specific (History) Elective papers (Credit: 5 + 1 each)

Semester - V (Select any one of the three options)

1. Ancient world
2. Medieval World
3. Modern World

Semester - VI (Select any one of the three options)

1. Indian Political Thought
2. Some aspects of Indian Culture
3. Indian Nationalism: Rise and Growth

G) #Skill Enhancement Course (Credit: 04 each)

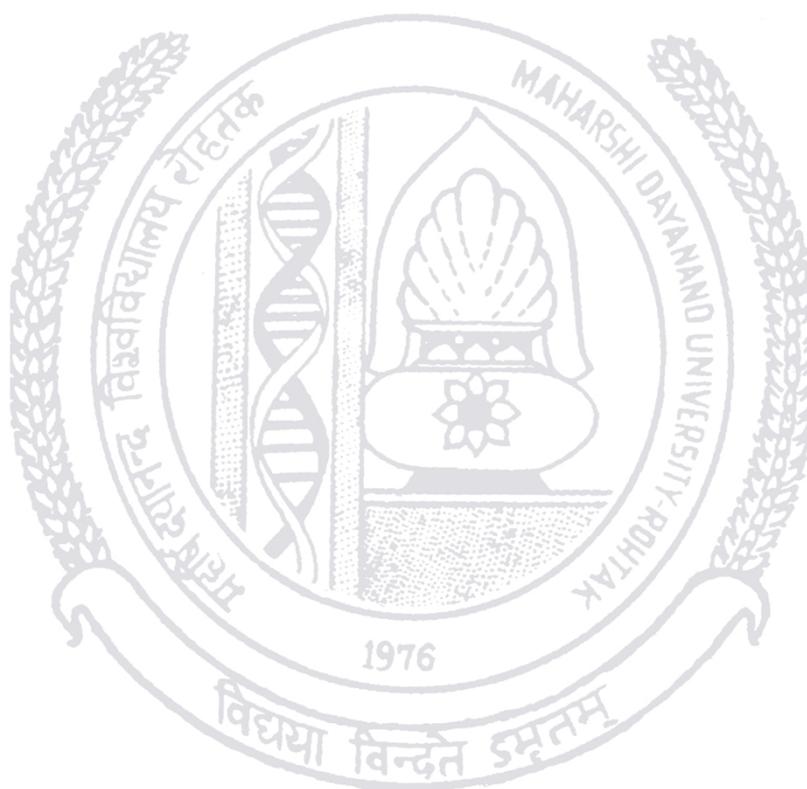
(SEC 1 to SEC 4 from semester III to VI)

1. Geography and Statistical Techniques.
2. Fundamental of Remote Sensing and GPS.
3. Field Techniques and Surveying Methods.
4. Introduction in Geographic Information System

H) #Skill Enhancement Course (Credit: 04 each)

(SEC 1 to SEC 4 from semester III to VI)

1. An Introduction to History
2. History and Tourism
3. An Introduction to Archaeology
4. Archives and Museums



B.Com Pass Course under Choice Based Credit System

Proposed Scheme of Examination

| SEMESTER | COURSE OPTED | COURSE NAME | Credits (C+T) | Marks | Internal Assessment | Total Marks |
|------------|--|---|---------------|-------|---------------------|-------------|
| I | Ability Enhancement Compulsory Course-I | English / Hindi / MIL Communication / Environmental Science | 4 | 80 | 20 | 100 |
| | Core Course-I | English / Hindi / MIL - 1 | 6 (5+1) | 120 | 30 | 150 |
| | Core Course-II DSC 1A | Financial Accounting | 6 (5+1) | 120 | 30 | 150 |
| | Core Course-III DSC 2A | Business Organization and Management | 6 (5+1) | 120 | 30 | 150 |
| II | Ability Enhancement Compulsory Course-II | Environmental Science English / Hindi / MIL Communication | 4 | 80 | 20 | 100 |
| | Core course-IV | Hindi / MIL / English - 1 | 6 (5+1) | 120 | 30 | 150 |
| | Core course-V DSC 1B | Business Law | 6 (5+1) | 120 | 30 | 150 |
| | Core Course-VI DSC 2B | Business Statistics | 6 (5+1) | 120 | 30 | 150 |
| III | Skill Enhancement Course -1 (Theory) SEC-1 | Statistical Analysis with Software | 2 | 40 | 10 | 50 |
| | Skill Enhancement Course -1 (Practical) SEC-1 | Statistical Analysis with Software | 2 | -- | -- | 50 |
| | Core Course-VII | English / Hindi /MIL-2 | 6 (5+1) | 120 | 30 | 150 |
| | Core Course-VIII DSC 1C | Company Law | 6 (5+1) | 120 | 30 | 150 |
| | Core Course-IX DSC 2C | Income Tax Law & Practice | 6 (5+1) | 120 | 30 | 150 |
| IV | Skill Enhancement Course -2 (Theory) SEC -2 | Accounting Through Software | 2 | 40 | 10 | 50 |
| | Skill Enhancement Course -2 (Practical) SEC -2 | Accounting Through Software | 2 | -- | -- | 50 |
| | Core course-X | Hindi / MIL/English - 2 | 6 (5+1) | 120 | 30 | 150 |
| | Core Course-XI DSC 1D | Corporate Accounting | 6 (5+1) | 120 | 30 | 150 |
| | Core Course-XII DSC 2D | Cost Accounting | 6 (5+1) | 120 | 30 | 150 |
| V | Skill Enhancement Course -3 (Theory) SEC-3 | Filing E>Returns | 2 | 40 | 10 | 50 |
| | Skill Enhancement Course -3 (Practical) SEC-3 | Filing E>Returns | 2 | -- | -- | 50 |
| | Generic Elective -1 | GE-1 (Choose any one) | 6 (5+1) | 120 | 30 | 150 |
| | Discipline Specific Elective -1 | DSE-1 (Choose any one) | 6 (5+1) | 120 | 30 | 150 |

| | | | | | | |
|-----------|---|--------------------------------|---------|-----|----|-----|
| | Discipline Specific Elective - 2 | DSE-2 (Choose any one) | 6 (5+1) | 120 | 30 | 150 |
| VI | Skill Enhancement Course -4 (Theory) SEC-4 | Practical Knowledge of Banking | 2 | 40 | 10 | 50 |
| | Skill Enhancement Course -4 (Practical) SEC-4 | Practical Knowledge of Banking | 2 | -- | -- | 50 |
| | Generic Elective - 2 | GE-2 (Choose any one) | 6 (5+1) | 120 | 30 | 150 |
| | Discipline Specific Elective -3 | DSE-3 (Choose any one) | 6 (5+1) | 120 | 30 | 150 |
| | Discipline Specific Elective - 4 | DSE-4 (Choose any one) | 6 (5+1) | 120 | 30 | 150 |

A. CORE COURSES

1. Financial Accounting (First Semester)
2. Business Organization and Management (First Semester)
3. Business Law (Second Semester)
4. Business Statistics (Second Semester)
5. Company Law (Third Semester)
6. Income Tax Law & Practice (Third Semester)
7. Corporate Accounting (Fourth Semester)
8. Cost Accounting (Fourth Semester)

B. DISCIPLINE SPECIFIC ELECTIVE COURSES :

a) Discipline Specific Elective - 1 (Fifth Semester)

- i. Human Resource Management
- ii. Principles of Marketing
- iii. Management Accounting

b) Discipline Specific Elective – 2 (Fifth Semester)

- i. Financial Management
- ii. E-Commerce
- iii. Business Environment

c) Discipline Specific Elective – 3 (Sixth Semester)

- i. Auditing & Corporate governance
- ii. Insurance Management
- iii. Investment Management

d) Discipline Specific Elective – 4 (Sixth Semester)

- i. Financial Market & Operations
- ii. Indirect tax Law
- iii. International Business Environment

C. GENERIC ELECTIVE COURSES :

a) Generic Elective – 1 (Fifth Semester)

- i. Introduction to Company Law
- ii. Elements of Commerce
- iii. Business Organization
- iv. Basics of Marketing

b) Generic Elective – 2 (Sixth Semester)

- i. Current Issues in Commerce
- ii. Fundamental of insurance
- iii. Elements of Banking
- iv. Business Ethics

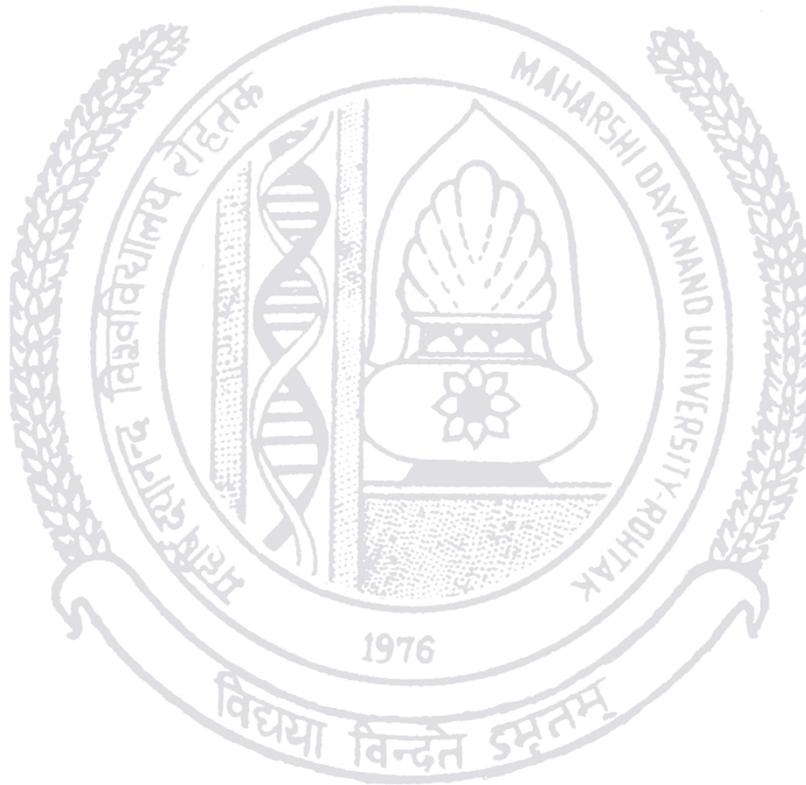
D. SKILL ENHANCEMENT COURSES :

1. Statistical Analysis with Software – (Third Semester)
2. Accounting Through Software – (Fourth Semester)
3. Filing E>Returns – (Fifth Semester)
4. Practical Knowledge of Banking and Insurance – (Sixth Semester)

C= Class Teaching

T= Tutorials

HOD (COMMERCE)



B.Sc. Pass Course (Medical) under Choice Based Credit System

Proposed Scheme of Examination

| Sem. | Courses Opted | Course Name | Credits | Marks | Internal assessment | Total Marks |
|------|--|---|---------|-------|---------------------|-------------|
| I | Ability Enhancement Compulsory Course-I | (English/ Hindi/ MIL Communication) / Environmental Science | 4 | 80 | 20 | 100 |
| | Core Course-I (Theory) | Phycology and Microbiology | 4 | 80 | 20 | 100 |
| | Core Course-I (Practical) | -do- | 2 | 50 | -- | 50 |
| | Core Course-II (Theory) | Systematics and Diversity of Life- Protists to Chordates | 4 | 80 | 20 | 100 |
| | Core Course-II (Practical) | -do- | 2 | 50 | - | 50 |
| | Core Course-III (Theory) | Inorganic Chemistry – I | 4 | 80 | 20 | 100 |
| | Core Course-III (Practical) | -do- | 2 | 50 | - | 50 |
| II | Ability Enhancement Compulsory Course-II | Environmental Science/ English/ Hindi/ MIL Communication | 4 | 80 | 20 | 100 |
| | Core Course-IV (Theory) | Genetics and Cyto genetics | 4 | 80 | 20 | 100 |
| | Core Course-IV (Practical) | -do- | 2 | 50 | -- | 50 |
| | Core Course-V (Theory) | Comparative Anatomy and Physiology of Non-Chordates | 4 | 80 | 20 | 100 |
| | Core Course-V (Practical) | -do- | 2 | 50 | - | 50 |
| | Core Course-VI (Theory) | Organic Chemistry – I | 4 | 80 | 20 | 100 |
| | Core Course-VI (Practical) | -do- | 2 | 50 | - | 50 |
| III | Skill Enhancement Course -1 | SEC-I [#] | 4 | 80 | 20 | 100 |
| | Core Course-VII | Archegoniatae : Bryophytes, Pteridophytes, Gymnosperms | 4 | 80 | 20 | 100 |
| | Core Course-VII (Practical) | -do- | 2 | 50 | -- | 50 |
| | Core Course-VIII (Theory) | Comparative Anatomy and Physiology of Chordates | 4 | 80 | 20 | 100 |
| | Core Course-VIII (Practical) | -do- | 2 | 50 | - | 50 |
| | Core Course- | Physical Chemistry – I | 4 | 80 | 20 | 100 |

| | | | | | | |
|----|--|----------------------------|------------|----|----|-------------|
| | IX(Theory) | | | | | |
| | Core Course-IX(Practical) | -do- | 2 | 50 | - | 50 |
| IV | Skill Enhancement Course-2 | SEC-2 [#] | 4 | 80 | 20 | 100 |
| | Core Course-X | Plant Systematics | 4 | 80 | 20 | 100 |
| | Core Course-X (Practical) | -do- | 2 | 50 | -- | 50 |
| | Core Course-XI (Theory) | Cell Biology and Histology | 4 | 80 | 20 | 100 |
| | Core Course-XI (Practical) | -do- | 2 | 50 | - | 50 |
| | Core Course-XII (Theory) | Inorganic Chemistry-II | 4 | 80 | 20 | 100 |
| | Core Course-XII (Practical) | -do- | 2 | 50 | - | 50 |
| V | Skill Enhancement Course-3 | SEC-3 [#] | 4 | 80 | 20 | 100 |
| | Discipline Specific Elective-1 (Theory) | DSE-1 * (Botany) | 4 | 80 | 20 | 100 |
| | Discipline Specific Elective-1 (Practical) | -do- | 2 | 50 | -- | 50 |
| | Discipline Specific Elective-2 (Theory) | DSE-2*(Zoology) | 4 | 80 | 20 | 100 |
| | Discipline Specific Elective-2 (Practical) | -do- | 2 | 50 | - | 50 |
| | Discipline Specific Elective-3 (Theory) | DSE-3*(Chemistry) | 4 | 80 | 20 | 100 |
| | Discipline Specific Elective-3 (Practical) | -do- | 2 | 50 | - | 50 |
| VI | Skill Enhancement Course-4 | SEC-4 [#] | 4 | 80 | 20 | 100 |
| | Discipline Specific Elective-4 (Theory) | DSE-4 * (Botany) | 4 | 80 | 20 | 100 |
| | Discipline Specific Elective-4 (Practical) | -do- | 2 | 50 | -- | 50 |
| | Discipline Specific Elective-5 (Theory) | DSE-5*(Zoology) | 4 | 80 | 20 | 100 |
| | Discipline Specific Elective-5 (Practical) | -do- | 2 | 50 | - | 50 |
| | Discipline Specific Elective-6 (Theory) | DSE-6*(Chemistry) | 4 | 80 | 20 | 100 |
| | Discipline Specific Elective-6 (Practical) | -do- | 2 | 50 | - | 50 |
| | Grand Total | | 132 | | | 3300 |

B.Sc. Pass Course (Medical) Program

A) Discipline Specific Core Courses (Botany) (Credits- 4+2 each)

1. Phycology and Microbiology
2. Genetics and Cytogenetics
3. Archegoniatae: Bryophytes, Pteridophytes, Gymnosperms
4. Plant Systematics

B) Discipline Specific Core Courses (Zoology) (Credits-4+2 each)

1. Systematics and Diversity of Life- Protists to Chordates
2. Comparative Anatomy and Physiology of Non-Chordates
3. Comparative Anatomy and Physiology of chordates
4. Cell Biology and Histology

C) Discipline Specific Core Courses (Chemistry) (Credits-4+2 each)

1. Inorganic Chemistry-I (Atomic Structure, Bonding and Chemistry of main group Elements)
2. Organic Chemistry-I (Basic organic Chemistry, stereochemistry and Chemistry of functional groups)
3. Physical Chemistry-I (States of matter, Thermodynamics and Chemical Kinetics)
4. Inorganic Chemistry-II (Metallurgy and f-block elements and Co-Ordination Chemistry)

D) *Discipline Specific Elective Courses (Botany) (Credits- 4+2 each)

Semester - V (Select any one of the three options)

1. Plant Biotechnology
2. Plant Physiology and Biochemistry
3. Bio-Analytical Techniques

Semester – VI (Select any one of the three options)

1. Plant Ecology and Biodiversity
2. Plant Anatomy and Embryology
3. Plant Pathology

E) *Discipline Specific Elective Courses (Zoology) (Credits-4+2 each)

Semester - V (Select any one of the three options)

1. Evolutionary Biology
2. Agrochemicals and Pest Management
3. Wildlife Conservation and Management

Semester - VI (Select any one of the three options)

1. Mammalian Physiology
2. Endocrinology
3. Fisheries

F) *Discipline Specific Elective Courses (Chemistry) (Credits-4+2 each)

Semester - V (Select any one of the three options)

1. Spectroscopy and Quantum Chemistry
2. Phase Equilibria and Surface Chemistry
3. Biomolecular and Heterocyclic Chemistry

Semester - VI (Select any one of the three options)

1. Organic Spectroscopy
2. Electrochemistry and Distribution Law
3. Organometallics and Polymer Chemistry

G) #Skill Enhancement Courses (Botany) (Credits-4 each)

(Select any one option out of the three SEC related to disciplines of B.Sc. Pass Course (Medical) Program)

1. Biofertilizers
2. Herbal Technology
3. Nursery and Gardening
4. Mushroom Culture Technology

H) #Skill Enhancement Course (Zoology) (Credit-4 each)

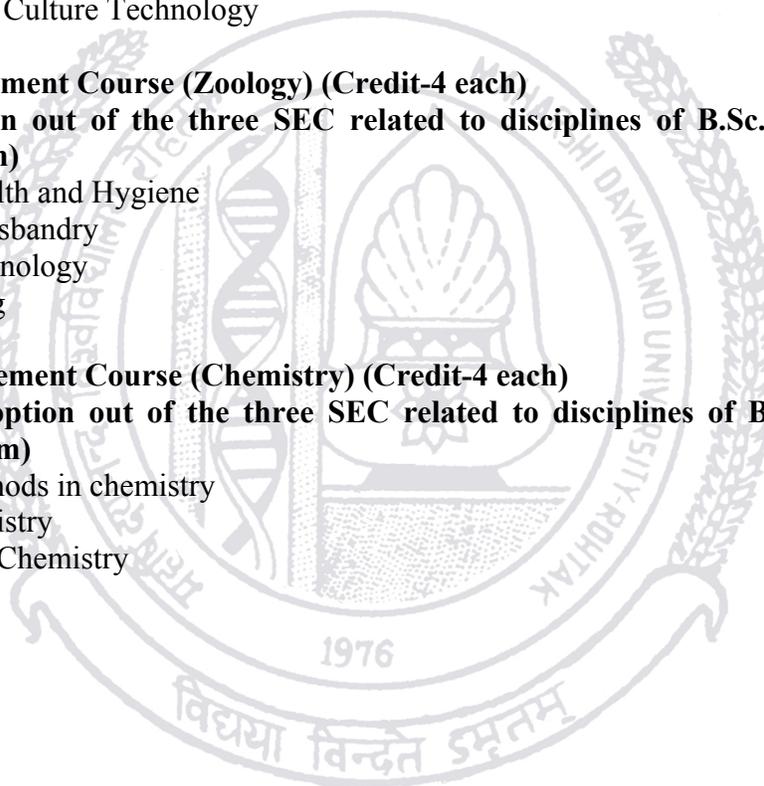
(Select any one option out of the three SEC related to disciplines of B.Sc. Pass Course (Medical) Program)

1. Public Health and Hygiene
2. Animal Husbandry
3. Dairy Technology
4. Beekeeping

I) #Skill Enhancement Course (Chemistry) (Credit-4 each)

(Select any one option out of the three SEC related to disciplines of B.Sc. Pass Course (Medical) Program)

1. Green methods in chemistry
2. Fuel Chemistry
3. Analytical Chemistry



Application Form for Registration for Elective Courses under CBCS

Date of Submission of Application Form:-

Semester-

(To be submitted in triplicate for each Elective Course applied for)

Copy 1: to be submitted to Principal of the College

Copy 2: Program/Disciplines/Subject for which student has to apply for Elective Course

1. Name of Student

2. Name of College:.....

3. Roll Number:

4. Registration Number:.....

5. Name of Elective Courses applied for, in order of choice

1.

2.

3.

6. Department of College offering Elective Course

Signature of Student.....

Signature of the Principal of the College with seal.....

Accepted

Not Accepted

Signature of Incharge/Head of Department of the College offering the Elective
Course _____