Ph. D Course Work in Public Administration

SCHEME OF EXAMINATION
Ph.D Course Work in Public Administration
(As per Credit System w.e.f. the Session 2023-24)

Programme Specific Outcomes

The programme specific outcomes of the Ph.D course work in Public Administration programme are as under:

PSO-1. Students would be able to know about the research and development opportunities in the field of administration/ policy/ governance studies.

PSO-2. Students would be able to analyze the effectiveness of governmental policies and programmes.

PSO-3. Students would be familiar with the issues of human rights, disaster management, governance reforms, information communication technology and public administration etc.

PSO-4. Students would gain confidence while dealing with administrative officials and political leaders.

PSO-5. Students would be able to develop their research aptitude and orientation.

PSO-6. Students would be able to learn about the research papers writing and presenting in seminars/conferences.

PSO-7. Students would be acquainted with the statistics tools involved in the research methodology like SPSS, ANOVA etc.

Sr. No.	Course Code	Nomenclature	Marks			Exam Time	Credits L+T+P
			Internal	Term End Exam	Total		
1	23PUBPH11C1	Research Methodology	30	70	100	3hrs	4+0+0=4
2	23PUBPH11C2	Issues in Public Administration	30	70	100	3hrs	4+0+0=4
3	23PUBPH11C3	Computer Application in Research	15	35	50	3 hrs.	2+0+0=2
4	23PH CC1	Research and Publication Ethics	15	35	50	3 hrs.	2+0+0=2
	Total				300		

Total Credits = 12

Research Methodology

Paper: 23PUBPH11C1

Total Credits: 4

Total Marks : 100
Theory : 70
Internal Assessment : 30
Time : 3 hours

Note: The Question Paper shall have four units. Each unit will contain two questions and the students shall be asked to attempt any five questions selecting at least one question from each unit.

Course Outcomes:

After completing this course students would be able to:

CO 1. Understand the concept of social Science Research, formulation of research Problem, Importance of objectivity and ethics in Social Research.

CO 2. Acquire the knowledge of theory building process and its various elements as well as the research design and its importance in Research

CO 3. Get knowledge about the different methods of sampling, representative sample, reliability testing of a sample and the geographic representation of data;

CO 4. Get acquainted about the preparation of a research project on various issues relating to different stakeholders.

UNIT-I

Social Science Research: Meaning, Nature, Objectives, Importance and Types with Special Reference to Pure and Applied. Research Process, Selection & formulation of a Research Problem- Meaning, Sources, Criteria, Steps of its formulation; Problem of Objectivity in Social Research. Importance of Ethics in Social Research.

UNIT-II

Basic Elements of Social Research: Theory-Concept & Variable, Theory building process; Hypothesis- Meaning, Types, Sources and Importance; Research Design- Meaning, Characteristics, Types & Importance.

UNIT-III

Sampling: Meaning, Basis, Types-Probability and Non-Probability, Procedure of Selecting a Representative Sample, Testing the Reliability of a Sample; Data: Types, Importance, Sources and Characteristics; Graphic Representation of Data: Graphs & Diagrams, Report Writing.

UNIT-IV

Project Formulation on Issues Concerning: Women, Children, Aged, Poverty Alleviation Programmes, Human Resource Development schemes, Non-Governmental Organization, Local Government-Urban and Rural.

Suggested Books:

- C.K. Sharma & M.K. Sharma, Research Methodology, Shree publishers & Distributors, New Delhi.
- Davendra Thakur, Research Methodology in Social Sciences, Deep and Deep Publications Pvt. Ltd, New Delhi, 2003.
- P. Sarvanand, Research Methodology, Kitab Mahal, Allahabad, 1992
- Abdel Baset I.M. Hasouneh, Research Methodology, Sublime Publication, Jaipur, 2003.
- D.K. Lal Das, Designs of Social Research, Rawat Publication, New Delhi 2005
- S.R. Bajpai: Methods of social survey and research Kigtab Ghar, Kanpur, 1990.
- Ram Ahuja, Research Methods, Rawat Publications, Jaipur, 2001.
- Jhon Galtung: Theory and Methods of Social Research, New York, Columbia University, 1967.
- Shukla and Trivedi, Research Methodology, College Book Depot., Jaipur.
- David Nachmias and Nachmias: Research Methods in Social Sciences, New York, St. Murthin Press, 1981.
- Kerlinger, Foundation of Behavioural Research, New York, Hold Rinehart And Winston.
- Virender Prakash Sharma, Research Methodology Jaipur: Panchsil Prakashan, 2001 (Hindi Medium).

Issues in Public Administration

Course: 23PUBPH11C2

Total Credits: 4

Total Marks :	100
Theory :	70
Internal Assessment :	30
Time :	3 hours

Note: The Question Paper shall have four units. Each unit will contain two questions and the students shall be asked to attempt any five questions selecting at least one question from each unit.

Course Outcome

After going through the syllabus, the students can

CO-1. Understand the concept of governance, good governance, e-governance and the ethics in governance.

CO-2. Get knowledge about the citizen centric governance, citizen charters and the social audit.

CO-3. Understand the concept of administrative accountability, prevailing corruption in governance and the necessity of reforms in Civil Services, Police, Judiciary and Elections.

CO-4. Understand about the ongoing Financial Reforms in India and the emerging concept of PPP

CO-5. Get knowledge about the Labour Reforms, centre-state relations reforms and the concept of crisis management.

UNIT-I

Good Governance: Concept, Features
E-Governance: Concept, Features
Ethics in Governance: Concept, Features
Citizen Centric Governance: Concept, Features,
Citizen Charter in India.
Social Audit in India.

UNIT-II

Administrative Accountability in India;
Corruption in Governance;
Civil Service Reforms in India
Police Reforms in India
Judicial Reforms
Electoral Reforms in India

UNIT-III

Financial Governance Reforms in India
Public Private Partnership
Labour Welfare Reforms in India

Centre-State Relations Reforms in India
Crisis Management in India

UNIT-IV
Administrative Behaviour
Criminalization of Politics and Administration in India
Cyber Crime Management in India
Terrorism Control Mechanism in India
Human Rights in India

Suggested Readings:
- Mohit Bhattacharya, New Horizons of Public Administration, New Delhi, Hawahar, 2001.
- David Osborne and Ted Gaebler, Reinventing Government: How the Entrepreneurial Spirit is Transforming the Public Sector, USA, 1992.
- C. Pohit, Managerialism and Public Services, Oxford,1990
- The World Bank, World Development Report, 1997
- A. Gore, From Red Tap to Results, Creating a Govt. that works better and costs Less, The Report of National Performance Review, New York, 1993.
- R.K. Gupta and H.D. Bist, Corruption in India: Origin, Causes and Solutions, New Delhi, Anamica, 2007.
- B.S. Ghuman, Anil Monga and Ramanjit Kaur Johal, Corruption and Quality of Governance: Experiences of Select Commonwealth Countries, Jaipur: Aalekh, 2012.
- Ashok Agarwal and V. Venkata Ramana, Foundations of E-Government, New Delhi: GIFT Publishers, 2008.
- G.P. Sahu, Adopting E-Governance, New Delhi: GIFT Publishers, 2008.
- G.P. Sahu, Emerging Technologies in E-Government, New Delhi: GIFT Publishers, 2009.
- C.L. Baghel and Yogendra Kumar, Good Governance: Concept and Approaches, New Delhi: Kanishka, 2006.
- D. Sundar Ram, Woman Empowerment in Political Institutions: An Indian Perspective, New Delhi: Kanishka, 2009.
- Kundu, Rajesh, Issues in Administration, Mumbai: Centre for Distance Education, S.N.D.T. Women's University, 2014.

Computer Application in Research

Paper: 23PUBPH11C3

Total Credits: 2

Total Marks :   50
Theory :   35
Internal Assessment :   15
Time   :   3 hours

Note: The Question Paper shall have four units. Each unit will contain two questions and the students shall be asked to attempt any five questions selecting at least one question from each unit.

Course Outcomes: - After completing this course students would be able to:
CO-1.   Students would be able to describe the evolutionary period wise steps of computer technology.
CO-2.   Students would be familiar with the memory and mass storage devices of computer.
CO-3.   Students would discuss about computer networks and their application.
CO-4.   Students would be familiar with SPSS and MS-Office tools.

UNIT-I

Introduction : Historical Evolution of Computers, Classification of Computers, Block Diagram along its Components and Characteristics, Limitations of Computers, Human being Vs Computer, Applications of Computers including Public Administration & Research, Introduction to Internet: Concepts of Internet, WWW, e-mail, Applications of Internet and Computer Viruses.

UNIT-II

Input/output Devices: Keyboards, mouse, joysticks, trackballs, scanners, Hard-copy devices: Impact printers - DMPs, Daisy-wheel printers, Line-printers, Non-impact printers - Inkjet, Laser, Thermal, Plotters. Languages like Assembly, Machine, and High-Level Languages.
Software Concept: Types of software and their role, difference between applications software and system software, Introduction to operating system and their characteristics.

UNIT-III

Memory & Mass Storage Devices: Characteristics of memory systems, types of memory, RAM, ROM, magnetic disks - floppy disk, hard-disk; optical disks - CD, CD-I, CD- ROM; Magnetic tapes; Concepts of Virtual and Cache memory.
Computer Network and Their Applications: Need of Computer network, key issues in computer network, Types of Computer Networks, Local Area Networking (LAN) and wide Area Networks (WAN).

UNIT-IV

Introduction to SPSS: SPSS Environment - Data Editor, Viewer and Draft Viewer, Text Output Editor, Toolbar, Menus, commands, Dialogue Boxes, Opening and Saving Files. Preparing and manipulating data file, defining variables.
MS-OFFICE: MS-Word: - Creating a document, font operation, bullet and numbering, find & replace, Create table.
MS-Excel:- Create sheet and rename sheet, table and operation, cells operation, Function(mathematic, logical), sort and data tools.
Introduction to MS-Power Point Presentation.

Suggested Books:
- Gill, Nasib S.: Essentials of Computer and Network Technology, Khanna Book Publishing Co., New Delhi.
- Gill Nasib Singh: Computing Fundamentals and Programming in C, Khanna Books Publishing Co., New Delhi.
- Chhillar, Rajender S.: Application of IT in Business, Ramesh Publishers, Jaipur.
- Sinha, P.K. & Sinha, Priti, Computer Fundamentals, BPB
- Balagurusamy E, Computing Fundamentals and C Programming, Tata McGraw Hill.
- Norton, Peter, Introduction to Computer, McGraw-Hill

Research and Publication Ethics

Course: 23PHCC1

Total Credits: 2
Total Marks   : 50
Theory   : 35
Internal Assessment : 15
Time   : 3 hrs.

Note: The Question Paper shall have four units. Each unit will contain two questions and the students shall be asked to attempt any five questions selecting at least one question from each unit.

Name of the Program	Ph.D. Course work	Program Code	PH
Name of the Course	Research and Publication Ethics	**Course Code**	23PHCC1
Hours/Week	2	**Credits**	2
Max. Marks.	50	**Time**	3Hours
End Exam	35 marks	**Internal Assessment**	15marks
Note: The examiner has to set a total of eight questions comprising two questions from each unit.A candidate has to attempt one question from each unit. All questions carry equal marks.			
Course Objectives: 1. To study the philosophy of ethics 2. To study the scientific conduct of research 3. To study the publication ethics 4. To know about various journal citation databases 5. To know the importance of quality publications			
Course Outcomes: By completion of course the student is able to 1. Ethics in conduct of scientific research 2. Know the scientific misconducts 3. How to avoid plagiarism and what are the penalties of plagiarism? 4. Know the quality of research publications 5. Write research and review articles.			
Unit-I			
PHILOSOPHYANDETHICS 1. Introductiontophilosophy:definition,natureandscope,concept,branches 2. Ethics:definition,moralphilosophy,natureofmoraljudgmentsandreactions **SCIENTIFICCONDUCT** 1. Ethics with respect to science and research 2. Intellectual honesty and research integrity 3. Scientificmisconducts:Falsification,Fabrication,andPlagiarism(FFP) 4. Redundantpublications:duplicateandoverlappingpublications,salamislicing 5. Selective reporting and misrepresentation of data			

Unit-II
PUBLICATIONETHICS

PUBLICATIONETHICS

1. Publication ethics: definition, Introduction and importance
2. Best practices/standards setting initiatives and guidelines: COPE, WAME, etc.
3. Conflicts of interest
4. Publication misconduct: definition, concept, problems that lead to unethical behavior and vice versa, types
5. Violation of publication ethics, authorship and contributor ship
6. Identification of publication misconduct, complaints and appeals
7. Predatory publishers and journals

Unit-III

DATABASESANDRESEARCHMETRICS

(A)Databases

1. Indexing databases
2. Citation databases: Web of Science, Scopus, etc.

(B)Research Metrics

1. Impact Factor of journal as per Journal Citation Report, SNIP, SIR, IPP, Cite Score
2. Metrics:h-index,gindex,i10index,altmetrics

Unit-IV
Practice

OPENACCESSPUBLISHING

1. Open access publications and initiatives
2. SHERPA/RoMEO online resource to check publisher copy right & self-archiving policies
3. Software tool to identify predatory publications developed by SPPU
4. Journal finder/journal Suggestion tools viz. JANE, Elsevier Journal Finder, Springer Journal Suggested, etc.

PUBLICATIONMISCONDUCT

(A)Group Discussions

1. Subject specific ethical issues, FFP, authorship
2. Conflicts of interest
3. Complaints and appeals: examples and fraud from India and abroad

(B)Software tools(2 hrs.):UseofplagiarismsoftwarelikeTumitin,Urkundandotheropensource software tools

References:

1. Bird, A.(2006).Philosophy of Science, Routledge
2. P. Chaddah(2018)Ethics in Competitive Research: Do not get scooped; do not get plagiarised.
3. Indian National Science Academy (INSA), Ethics in Science Education, Research and Governance (2019).
4. Beall, J(2012), Predatory publishers are corrupting open access.Nature,489(7415),179.
5. National Academy of Sciences, National Academy of Engineering and Institute of Medicine (2009). On being a Scientist: A guide to Responsible Conduct in Research, Third Edition, National Academic press.

DEPARTMENT OF GEOGRAPHY, M.D.UNIVERSITY, ROHTAK
Scheme of Examination
Ph.D. Course Work in Geography
(As per Credit System w.e.f. the academic year 2023-24)

Ph.D. Coursework shall be of one semester duration. The credit requirement for Ph.D. course work shall be of 12 credits (1 credit equals to 25 marks) in all comprising 2 courses of 4 credits each and two courses of 2 credits each. The student will complete the course Research and Publication Ethics of two credits from the common pool of the university.

The practical exam shall be conducted by one external examiner out of the panel approved by the PGBOS.

Each course shall have an internal assessment of 30 marks / percent. Theory course shall comprise of two written assignments (7.5 marks each) and two presentations (7.5 marks each) and the practical course comprise lab work record as internal assessment of 15 marks.

SEMESTER - I						
Course Code	**Nomenclature of Course**	**Theory marks (end semester examination)**	**Internal Assessment marks**	**Maximum marks**	**Hours /Week**	**Credits**
23GEOPH11C1	Research Methodology in Geography	70	30	100	4	4
23GEOPH11C2	Spatial Information Technology	70	30	100	4	4
23GEOPH11C3	Practical: Advanced Computer Based Techniques in Geography	35	15	50	4	2
23PHCC1	Research and Publication Ethics*	35	15	50	2	2
Total Marks/Credits				**300**		**12**

Note: *The student will complete the compulsory course i.e. **"Research and Publication Ethics"** of two credits from the common pool of the university as per university guidelines at university level.

Name of the Program	Ph.D. Course work in Geography	Program Code	GEOPH
Name of the Course	Research Methodology in Geography	Course Code	23GEOPH11C1
Hours/Week	4	Credits	4
Max. Marks.	70	Time	3 Hours

Note: There will be nine questions in all (two from each unit and one compulsory question consisting of seven short answer from all units. The candidate has to attempt one question from each unit along with the compulsory question (5 x 14 = 70 marks)

Course Objectives:
1. Knowledge creation executing research in physical and human domains of Geography.
2. The students learn to identify, formulate, review research literature, and analyse research problems.
3. They develop the skills of sound technique of precise, objective and ethical writing.
4. The students are trained in data management-collection (primary, secondary and tertiary data sources) analysis and interpretation of data.
5. The research findings/ writings strengthen the discipline and its teaching.

Course Outcomes:
1. Know fundamentals of research with a focus on raising geographic questions and parameters of geographic perspective.
2. Develop an understanding in identification and formulation of research problem on theme in geographic spirit and learn data management.
3. Be aware of various types and sources of data.
4. The students can prepare sampling design and sampling frame for collection of data. They are aware of the nature of research in qualitative/quantitative mode in geography.
5. Familiarize with research writing process and produce a quality thesis.

Unit – I

Research: Nature, meaning and types; Geographic research and choice of approaches: Geographic perspective: nature of Geography, Perspectives in Geographic research, Research ethics

Unit – II

Issues pertinent to thesis in Geography: Research proposal: Issues and formulation; Literature search and review of published research in relevant area

Unit – III

Significance of use of data in Geography; Generation of primary data; Sampling- Sampling design; Gathering of Secondary data; Gleaning of tertiary data

Unit - IV

Data representation; Data Interpretation; Research writing; Plagiarism; Preparing for viva-voce

References:
1. Booth, Wayne C., Gregory G. Colomb, and Joseph M. Williams. (2008). *The Craft of Research.* 3rd ed. Chicago: University of Chicago Press.
2. Booth, Wayne C., Gregory G. Colomb, and Joseph M. Williams. (2013). *A manual for Writers.* 8th ed. Chicago: University of Chicago Press.
3. Clifford, Nicholas J. and Gill Valentine (2003), *Key Methods in Geography.* London: Sage.
4. Gunning, R. (1952). *The Technique of Clear Writing.* New York: McGraw-Hill.
5. Krishan, Gopal and Nina Singh. (2020). *Researching Geography: The Indian Context.* 2nd ed. London: Routledge.

Name of the Program	Ph. D. Course Work in Geography	Program Code	GEOPH
Name of the Course	Spatial Information Technology	Course Code	23GEOPH11C2
Hours/Week	4	Credits	4
Max. Marks.	70	Time	3 Hours

Note: There will be nine questions in all (two from each unit and one compulsory question consisting of seven short answer from all units. The candidate has to attempt one question from each unit along with the compulsory question (5 x 14 = 70 marks)

Learning Objectives
1. To expose students to the basic concepts of Spatial Information Technology
2. To enable the students to apply their knowledge in the interpretation of Remote Sensing Data.
3. To impart knowledge in image fundamentals and mathematical transforms necessary for image processing
4. To enable the students to understand GIS techniques for their best use.
5. To make the students conversant in the use spatial technology.

Course Outcomes:
- Upon completion of this course, students will be able to analyze general terminology of spatial information science.
- Develop an understanding in identification and formulation of GIS based research problems.
- Student will also have sufficient expertise in its wide range of applications.
- It will provide ability to function on multidisciplinary teams.
- To produce skilful graduates to analyze, design and develop a system/component/ process for the required needs under the realistic constraints.

Unit – I

Introduction to Spatial Information Technology: Definitions and Component of SIT; Historical Developments; Integration of Remote Sensing, GIS and GNSS Technologies; Application of SIT.

Unit – II

Remote Sensing and Digital Image Processing: Spectral Reflectance Curve- Vegetation, Soil and Water; Digital Image Processing- Atmospheric, Radiometric and Geometric Corrections; Image Enhancements techniques.

Unit – III

Geographical Information System: Data Base Management System; Spatial Analysis; Trends in GIS; Mobile GIS.

Unit - IV

Global Navigation Satellite System: GNSS Systems; Principle of GNSS Operation; Sources of Errors; GNSS Augmentation Systems.

References:
1. Kumar D., Singh R.B. and Kaur R., (2019). *Spatial Information Technology for Sustainable Development Goals,* Springer International Publishing.
2. Peter J.G. Teunissen and, Oliver M. (Eds.), (2019). *Springer Handbook of Global Navigation Satellite Systems,* Springer International Publishing
3. Kron G., (2017). *Global Navigation Satellite Systems: Signal, Theory & Applications,* Scitus Academics.
4. Heywood, I., Cornelius, S., Carver, S. (2011). *An Introduction to Geographic Information Systems,* 4 th Edition, Pearson Education.
5. Lillesand, T.M., Kiefer, R.W. and Chipman, J.W. (2004). *Remote Sensing and Image Interpretation,* 5th Edition, Wiley.

Name of the Program	Ph.D. Course work in Geography	**Program Code**	GEOPH
Name of the Course	Advanced Computer Based Techniques in Geography	**Course Code**	23GEOPH11C3
Hours/Week	4	**Credits**	2
Max. Marks.	50 (External= 35) : -Written Test: 20 - Viva Voce: 15 (Internal=15): -Lab Record File: 15	**Time**	4 Hours

Note: (i) The question paper shall contain four questions in all, including two questions from each unit. Candidate(s) are required to attempt two questions in all selecting at least one question from each unit. All questions carry equal marks.

Learning Objectives:

The course designed to:
1. impart adequate professional knowledge and computer skill.
2. enhance the understanding about computer-based techniques in Geography.
3. develop the skill of analyse data scientifically.
4. familiarize students with soft wares for better research.
5. introduce GIS and SPSS software's

Course Outcomes:

Students would be able to:
1. know the scientific tools in research.
2. understand computer basics.
3. understand data analysis scientifically.
4. have the skill of spatial data handling and processing in GIS.
5. have the skill of effective decision making and real-world problem solving.

Unit – I

Basics about Excel: Table, formatting, sorting and filtering; use of basic formulae; random number generation; statistical charts (line graphs, bar diagrams, scatter diagram, control charts, histogram etc.). SPSS Environment: entering data into data editor; Pearson product moment correlation. Linear regression analysis

Unit – II

Introduction GIS technology: Spatial data import and export in GIS; Raster & Vector data structure models; Raster and Vector overlay analysis; Buffer analysis, Spatial interpolation: IDW and Kriging methods, Surface modelling: DTM; DEM, Image enhancement techniques: Linear and non-liner contrast stretch; histogram equalisation and density slicing.

Suggested Readings:

1. Bhatta B. (2023). *Remote Sensing and GIS*, Oxford University Press, New Delhi.
2. Chang, K.T. (2019). *Introduction to Geographic Information Systems*, Tata McGraw-Hill Publishing Company Ltd, New York.
3. Gibson, P.J. & Power, C. H. (2000). *Introductory Remote Sensing: Digital Image Processing and Applications*, Routledge, London.
4. Reddy, M. A. (2012). *Remote Sensing and Geographic Information Systems,* B S Publications, Hyderabad
5. Walford N. (2002). Geographical Data Characteristics and Sources, John Wiley & Sons; Ltd. West Sussex, England.

Ph.D. Course Work in HISTORY

Programme Specific Outcomes

PSO1 : Learn and understand philosophy of History

PSO2 : One may acquaint with the origin, evolution and development of History.

PSO3 : One may also acquaint with the contribution of philosophers.

PSO4 : The students would understand the writing of objective History, its methods and sources.

PSO5 : Students also get the basic knowledge about the uses of Computer Applications in History.

SCHEME OF EXAMINATION
(As per Credit System w.e.f. the session 2023- 2024 onwards)

The entire course will be of one semester. Each student should earn a minimum of **12 credits** over the entire course.

Sem.	Course Code	Nomenclature of Course	Theory Marks (End semester examination)	Internal Assessment	Maximum Marks	Hours/ Week	Credits L+T+P
1st	23HISPH11C1	Research Methodology	70	30	100	4	4
	23HISPH11C2	Sources of Indian History	35	15	50	2	2
	23HISPH11C3	Computer Applications in History (Practical)	70	30	100	4	4
	23PHCC1	Research and Publication Ethics (RPE)	35	15	50	2	2
		Credits	**C = 12**		**300**	**Total Credits = 12**	

Note:

i) The compulsory course on 'Research and Publication Ethics' shall be offered by Ch. Ranbir Singh Institute of Social and Economic Change for all UTDs/Centres/Institutes passed vide Resolution No. 27 of the 271 meeting of EC held on 29.7.2020.

Ph.D. Course Work History

Name of the Program	Ph.D. Course Work in History	Program Code	
Name of the Course	Research Methodology	Course Code	23HISPH11C1
Hours/Week	4	Credits	4
Max. Marks.	100	Time	3 Hours
End Exam	70 marks	Internal Assessment	30 marks

Note: The examiner has to set a total of eight questions comprising two questions from each unit. A candidate has to attempt one question from each unit. All questions carry equal marks.

Course Outcomes:
By completion of course the student is able to
1. To understand and enable to teach Research Methods of History
2. To understand the meaning, scope and relation with other discipline.
3. To get the basic knowledge of sources and their use.
4. To get the knowledge about the techniques of research and execution of research.

Unit - I

History as a subject:

a. Its meaning

b. Nature and Scope

c. Causation in History

d. Its relations with Political Science, Sociology, and Geography

Unit - II

a. Sources: Primary and Secondary

b. Authenticity of sources

c. Interpretation of Facts

d. Objectivity

e. Generalisation

Unit - III

Techniques of Research:

a. Selection of subject

b. Hypothesis

c. Synopsis

d. Chapterisation

e. Bibliography

Unit - IV
Execution of Research:
a. Collection of material
b. Presentation of evidences
c. Documentation and references
d. Preliminary Draft and final draft
e. Final bibliography

Suggested Readings:

Carr, E.H.	:	What is History (London: Macmillan, 1961)
Collingwood, R.C.	:	Idea of History (London: Oxford University Press,1967)
Elton, G.R.	:	Practice of History (London: Sydney University Press,1967)
Marwick, Arthur	:	The Nature of History (London: Macmillan,1982)
Gottschalk, L.(ed.)	:	Generalization in the Writing of History
Butterfield, H.	:	Man on his Past (London: G.Bell, 1968)
Childe, V.Gordon.	:	What Happened in History (Harmondsworth: Penguin,1946)
Gardiner, Patrick(ed.)	:	Theories of History (New York: Free Press, 1959)
Walsh, W.H.	:	An Introduction to the Philosophy of History (London :Hutchinson, 1967)
Cornforth, Maurice	:	Historical Materialism (London: Lawrence & Wish Art, 1953)
Thomson, D.	:	The Aims of History (London: Thames and Hudson, 1969)
Renier, G.J.	:	History: Its Purpose and Method (London: George Allen & Unwin,1950)
Stern, Fritz	:	Varieties of History: from Voltaire to the Present (London, Macmillan, 1970)
Webster, John C.B.	:	An Introduction to History (Meerut: Macmillan, 1967)
Postan, M.M.	:	Fact and Relevance: Essay on Historical Method : (Cambridge University,Press,1971)
Johnson, Allen	:	The Historian and Historical Evidence
George, Hereford B.	:	Historical Evidence, Oxford: Clasendon Press, 1909
Leff, G.	:	History and Social Theory (London: Macmillan,1967)
Hockett, H.C.	:	Critical Method in Historical Research and Writing (New York: Macmillan,1966)
Bloch, Marc.	:	The Historian's Craft, (New York, 1953)
R.J. Shaffer	:	A Guide to Historical Method (Home wood Illinois: Dorrey Press, Revised ed.,1974, First Published in 1968)
Vansina, Jan.	:	The Oral Tradition- A Study in Historical Methodology (New Burnswick: Aldine Transaction, 2006)
Clark, G.Kitson	:	The Critical Historian, (London, Heimemann, 1967)

Clark, G.Kitson	:	Guide for Research Students working on Historical Subjects, Cambridge, 1960
Gottschalk, L.	:	Understanding History: A Primer of Historical Method
Barzun J. &		
Graff, H.P.	:	The Modern Researcher (New York: Harcourt, 1970)
Kent, Sharman	:	Writing History
Plekhnov, G.V.	:	Fundamental Problem of Marxism (New York: International Publishers, 1944)
Ghosh, S.	:	Archives in India (Calcutta, Firma, 1963)
Low, D.A.(ed)	:	Archives in South Asia (Cambridge: Cambridge University Press,1969)
Crump, C.G.	:	History and Historical Research, (London George Routledge & Soni,1928)
Vincent, John M.	:	Historical Research : An Outlines of Theory and Practice
Charles, Johnson	:	The Mechanical Processes of the History
Dow, E.W.	:	Principles of Non-system for Historical Studies
Fling, Fred Morrow	:	The Writing of History: An Introduction of Historical Method
Geradham, Gillert J.	:	A Guide to Historical
Langloris Ch.V. &	:	Introduction to the Study of History,
Ch.Soingnobes		London, Duckwork, reprint 1932, Ist Published -1898
Oman, Charles	:	On the Writing of History
Pares, Richard	:	Historian's Business
Ausubel, Herman	:	Historians and their Craft (New York: Russell and Russell, 1967)
Williams, C.H.	:	The Modern Historian
Salmen, L.N.	:	Historical Material
Williams, R.	:	Four Lectures on the Handling of Historical Material
Strayer, Joseph R.	:	The Interpretation of History
Hexter, J.H.	:	Reappraisals in History (London: Longman, 1961)
Rissavousky, A.V. &	:	Generalisation in Historical Writing
Rizink, V.		(Philadelphia: University of Pennsylvania Press, 1963)

Name of the Program	Ph.D. Course Work in History	Program Code	
Name of the Course	Sources of Indian History	Course Code	23HISPH11C2
Hours/Week	2	Credits	2
Max. Marks.	50	Time	3 Hours
End Exam	35 marks	Internal Assessment	15 marks

Note: The examiner has to set a total of eight questions comprising two questions from each unit. A candidate has to attempt one question from each unit. All questions carry equal marks.

Course Outcomes:
By completion of course the student is able to
1. To know the importance of sources of History in general in writing history.
2. To know the sources, period/age wise i.e. ancient, medieval and modern.
3. To know that no authentic history can be written without sources.

Unit – I

Archaeological Sources

    a.   Stone Tools

    b.   Pottery

    c.   Coins

    d.   Inscription

Literary Sources

    a.   Vedic Literature

    b.   Epics, Puranas, Arthashastras

    c.   Buddhist and Jain Sources

Unit - II

Biographies and Foreign Accounts

    a.   Harsacharita, Rajtaringini

    b.   Megasthanes, Al Beruni

    c.   Ibn Batuta, Francois Bernier

Unit - III

Sources of Medieval India

    a.   Minhaj-us-Siraj: Tabaqat-i-Nasiri

    b.   Ziauddin Barani: Fatwa-i-Jahandari

    c.   Babur : Tuzak-i-Baburi

    d.   Abul Fazal : Akbar Nama(3 Vols)

    e.   Dargah Quli Khan : Muraqqa-i-Delhi

Unit - IV
Sources of Modern India
a.   Archival Records
b.   Private Papers: Officials and Non-Officials
c.   Newspapers and Periodicals
d.   Oral Tradition

Suggested Readings:

Sankalia, H.D.	:	Stone Age Tools, their Techniques and Uses (Pune, 1964)
Shastri, Krishna H.	:	South Indian Inscriptions (2nd Vol.)
Ramesh, K.V.	:	Indian Epigraphy
Brown, P.	:	Indian Paintings
Kramrisch S.	:	Indian Sculptures
Coomarswamy, A.	:	History of Indian & Indonesian Art
Sircar, D.C.	:	Indian Epigraphy, (Delhi, 1965)
Pargiter, F.E.	:	Dynasties of Kali Age, (London, 1913)
Puri, B.N.	:	India as Described by Early Greek Writers
Majumdar, R.C.	:	Classical Accounts of India, (Calcutta, 1960)
Pargiter, F.E.	:	Ancient Indian Historical Tradition, (London, 1922)
Krishna Macharia, M.	:	History of Classical Sanskrit Literature (2 Vols.)
Winternitz, M.	:	History of Indian Literature 3 Vols, (New Delhi-1963-67)
Law,B.C.	:	India as Described in the Early Texts of Buddhism and Jainism
Sivarammaurti, C.	:	Indian Sculpture (New Delhi,1964)
Aggarwal, V.S.	:	Studies in Indian Art (Varanasi 1965)
Siraj, Minhaj-us	:	Tabaqat-i-Nasiri,(Eng. Tr.H.G. Reverty 2 Vols.) Calcutta, 1897, republished, (New Delhi,1969)
Birani, Ibn-i-Hasan	:	Maqalat-i-Barani-Karachi, (N.D.)
Akbar S. Ahmed	:	Discovering Islam: Making Sense of Muslim History and Society, (New Delhi, 1990.)
Elliot, Sir H.M. & J. Dowson	:	History of India as Told by its Own Historians, 8 vols. London(1867-77)
Rosenthal, F.	:	History of Muslim Historiography, (Leiden, 1952)
Sarkar, Jagdish Narayan:		History of History Writings in Medieval India, (Calcutta,1977)
,,	:	'Ideas of History in Medieval India' Quarterly Review of Historical Studies Vol.4, Nos. 1 and 2., 1964-65.
,,	:	Survey of Medieval Indian Historiography', The Quarterly Review of Historical Studies, Vol.3,Nos. 1 & 2, 1963-64
Grewal, J.S.	:	Muslim Rule in India, The Assessment of British Historians, (Calcutta, 1970)
,,	:	Medieval India: History and Historians, (Amritsar, 1975)
Hasan, Mohibut(ed.)	:	Historians of Medieval India, (Meerut, 1968)
Ibn, Khaldum	:	Muqaddiman: An Introduction to History, Eng. Tr. Ero Franz Rosenthal,

Majumdar, R.C.	:	'Indian Historiography: Some Recent Trends' in S.P.Sen(ed.)Historians and Historiography in Modern India, (Bombay,1970)
Mukhia, Harbans	:	Historians and Historiography During the Reign of Akbar, (New Delhi, 1976
Philips,C.H.(ed.)	:	Historians of India, Pakistan and Ceylon, (London,1961)
Rosenthal, F.	:	History of Muslim in Historiography, (Leiden, 1952)
Thapar, Mukhia & Chandra	:	Communalism and the Writings of Indian History, (New Delhi,1969)
Tikekar, S.R.	:	On Historiography, (Bombay, 1964)
Ashraf, K.M.	:	Life and Condition of the People of Hindustan, (New Delhi,1969)
,,	:	Cultural Heritage of India, Calcutta, N.D.
Elphinstone, M.	:	History of India, (London, 1889)
Gani, H.A.	:	Muslim Political Issues and National Integration, (New Delhi.)
Hardy Peter	:	Historians of Medieval India, London, 1959
Lal, K.S	:	Studies in Medieval Indian History, Delhi, 1966
,,	:	Twilight of the Sultanate 2nd ed. (Delhi, 1980)
Mahdi Hussain	:	Critical Study of the sources for the History of India (1320-1526), Islamic Culture vol. XXXI, No.I, Hyderabad, Jan.,1957
Nizami, K.A.	:	Some Aspects of Religion and Politics in India during the Thirteen Century, 2nd ed. Delhi, 1974
,,	:	Studies in Medieval Indian History and Culture, Allahabad, 1966
,,	:	Supplement to Elliot and Dowson's History of India Vols. II & III, Delhi, 1981
Rizvi, S.A.A.	:	Adi Turk Kaleen Bharat, Aligarh, 1956
,,	:	Khalji Kaleen Bharat, Aligarh, 1955
,,	:	Tughlaq Kaleen Bharat, 1957
,,	:	Mughal Kaleen Bharat, Vol. I, Aligarh Muslim University, 1961
,,	:	Mughal Kaleen Babur, Aligarh, 1960
,,	:	Mughal Kaleen Humayun, 1962
,,	:	Uttar Taimer Kaleen, 1958
,,	:	Uttar Taimer Kaleen Vol. 2, 1959
		Gazetteer of India Vol. II

India Archives", Journal of National Archives of India, Janapth, New Delhi

Census Reports, 1881-1941

Settlements Reports of different Districts

Oral Transcripts of Interview with Eminent Personalities, N.M.M.L. Teen Murti House, New Delhi

Private Papers of Eminent Personalities, N.M.M.L. Teen Murti House, New Delhi

Transfer of Power Vol.I,II,III,IV H.M.S.O. London

Towards Freedom, ICHR, New Delhi

Reports of Various Commissions appointed by British Indian Govt.

Reports of various Important Political Cases

Reports of I.N.A. Trial Cases

Name of the Program	Ph.D. Course Work in History	Program Code	
Name of the Course	Computer Applications in History	Course Code	23HISPH11C3
Hours/Week	4	Credits	4
Max. Marks.	100	Time	3 Hours
End Exam	70 marks	Practical Marks	30 marks

Note: The examiner has to set a total of eight questions comprising two questions from each unit. A Candidate has to attempt one question from each unit. All questions carry equal marks.

Course Outcomes:
By completion of course the student is able
1. to equipped with the skill of Computer Application.
2. to use the digitalized sources of History.
3. to understand the data interpretation and analysis will be more easier and faster.
4. to understand the internet surfing and computer typing became easier.

Unit – I

Computer System, an Overview: History of Computers, Basic Applications of Computers in Different Fields, Characteristics of Computer, Functioning of Computers, Functional Components of a Computer System. Types of Comp., Benefits and Limitations of Computers, Computer Virus, Cyber Crime.

Unit – II

MS Windows: Features of Windows, Getting Started with Windows, Managing Files and Folders, Basic Windows Accessories: Mouse Pointer, Control Panel , Creating Short Cuts, Shutting Down the Computer.

Unit-III

Introduction to MS Office and MS Excel: Creating Document, How to Type in Word, Editing Document, Formatting the Document, Spell Check, Creating Tables, Saving the Document, Printing and Closing the Document; MS-Excel Basics, Editing Cell Contents, Command for Worksheet, Charts in MS Excel.

Unit-IV

MS Power Point and Internet: Steps to Power Point Presentation, Physical Aspects of a Presentation, Creating New Presentation, Adding New Slides, Adding Illustration to Slides, Creating Slide Shows, What is Internet, Sending and Receiving E-mails, Attachments, Logging in.

PRACTICAL

Course Outcome:-

1. Through this practical course, the students of History will be equipped with the skill of Computer Application.
2. They may use the digitalized sources of History.
3. The data interpretation and analysis will be more easier and faster.
4. The internet surfing and computer typing became easier for the students.

a) Hands on Experience:

   i) Windows Operating System

   ii) MS Word

   iii) MS Excel

   iv) Internet

b) Viva-Voce

   i) Windows Operating System : To test some of the following operations on file/folder:
  - Create
  - Rename
  - Copy/Cut/Paste
  - Delete
  - Commands related to Notepad/WordPad

   ii) MS Word: A Paragraph in MS Word incorporating some of the tools givn below to be tested during the examination:
  - . Editing and Formatting text and paragraph
  - Page and Paragraph set up
  - Inserting pictures

   iii) MS Power Point: A Power Point presentation using some fo the tools given below to be tested during the examination:
  - Editing and Formatting Slides
  - Inserting Pictures

   iv) MS Excel: A problem in spreadsheet related to some of the tools given below to be tested during the examination:
  - Formatting cells and data
  - Functions and Formulae
  - Functions and Formulae
  - Charts

   v) Internet:
  - Logging in and logging out
  - Attachments
  - Receiving and Sending E-mail

References:

Mattelart, Armond   : The Information Society New (2003) Delhi: Sage Publications

Balamurali,S.(1998)   : An Introduction to Computer Science, New Delhi: Vikas Publishing House.

Lean and Loen(1998)   : Internet for Everyone, New Delhi: Vikas Publishing House.

Saxena, Sanjay(1998) : A First Course in computer, New Delhi: Vkas Publishing House.

Singhal, A. and E.M.
Rogers(2000)   : India's Communication Revolution, London: Sage Publications.

Name of the Program	Ph.D. Course Work in History	Program Code	
Name of the Course	Research and Publication Ethics	Course Code	23PHCC1
Hours/Week	2	Credits	2
Max. Marks.	50	Time	3 Hours
End Exam	35 marks	Internal Assessment	15 marks

Note: The examiner has to set a total of eight questions comprising two questions from each unit. A candidate has to attempt one question from each unit. All questions carry equal marks.

Course Objectives:
1. To study the philosophy of ethics
2. To study the scientific conduct of research
3. To study the publication ethics
4. To know about various journal citation databases
5. To know the importance of quality publications

Course Outcomes:
By completion of course the student is able to
1. Ethics in conduct of scientific research
2. Know the scientific misconducts
3. How to avoid plagiarism and what are the penalties of plagiarism?
4. Know the quality of research publications
5. Write research and review articles.

Unit – I

PHILOSOPHY AND ETHICS
1. Introduction to philosophy: definition, nature and scope, concept, branches
2. Ethics: definition, moral philosophy, nature of moral judgments and reactions

SCIENTIFIC CONDUCT
1. Ethics with respect to science and research
2. Intellectual honesty and research integrity
3. Scientific misconducts: Falsification, Fabrication, and Plagiarism (FFP)
4. Redundant publications: duplicate and overlapping publications, salami slicing
5. Selective reporting and misrepresentation of data

Unit – II

PUBLICATION ETHICS
1. Publication ethics: definition, introduction and importance
2. Best practices / standards setting initiatives and guidelines: COPE, WAME, etc.
3. Conflicts of interest
4. Publication misconduct: definition, concept, problems that lead to unethical behavior and vice versa, types
5. Violation of publication ethics, authorship and contributorship
6. Identification of publication misconduct, complaints and appeals
7. Predatory publishers and journals

Unit – III

DATABASES AND RESEARCH METRICS

(A) Databases

1. Indexing databases
2. Citation databases: Web of Science, Scopus, etc.

(B) Research Metrics

1. Impact Factor of journal as per Journal Citation Report, SNIP, SIR, IPP, Cite Score
2. Metrics: h-index, g index, i10 index, altmetrics

Unit – IV
Practice

OPEN ACCESS PUBLISHING

1. Open access publications and initiatives
2. SHERPA/RoMEO online resource to check publisher copyright & self-archiving policies
3. Software tool to identify predatory publications developed by SPPU
4. Journal finder/journal suggestion tools viz. JANE, Elsevier Journal Finder, Springer Journal Suggested, etc.

PUBLICATION MISCONDUCT

(A) Group Discussions

1. Subject specific ethical issues, FFP, authorship
2. Conflicts of interest
3. Complaints and appeals: examples and fraud from India and abroad

(B) Software tools (2 hrs.) :Use of plagiarism software like Tumitin, Urkund and other open source software tools

References:

1. Bird, A. (2006). Philosophy of Science, Routledge
2. P. Chaddah (2018) Ethics in Competitive Research: Do not get scooped; do not get plagiarised.
3. Indian National Science Academy (INSA), Ethics in Science Education, Research and Governance (2019).
4. Beall, J (2012), Predatory publishers are corrupting open access. Nature, 489(7415), 179.
5. National Academy of Sciences, National Academy of Engineering and Institute of Medicine (2009). On being a Scientist: A guide to Responsible Conduct in Research, Third Edition, National Academic press.

Scheme of Examination
Ph.D. course work in Psychology
(As per Credit System w.e.f. the academic year 2023-24)
Program Specific Outcomes

Learning Objectives:

- To impart conceptual and theoretical knowledge in advanced research methodology and current areas of research.
- Prepare students for designing, execution, analysing and reporting research in Psychology.

Learning Outcomes:

- Students would get experiential knowledge about library review and field work.
- Students would be acquainted with recent trends in psychology.
- Students would gain mastery in advanced psychological assessment.
- Students would be able to design, conduct and report research in various fields of Psychology.

SEMESTER 1

Course Code	Nomenclature of Course	Theory marks (end semester examination)	Internal Assessment marks	Maximum marks	Hours /Week	Credits
23PSYPH11C1	Advances in Research Methodology	70	30	100	4	4
23PSYPH11C2	Recent Trends in Psychology	70	30	100	4	4
23PSYPH11C3	**Practicum:** Project Report : Library Review Based*	Practical marks (End semester examination)	Internal Assessment marks	Maximum marks		
		35	15	50	4	2
23PHCC1	Research and Publication Ethics	Theory marks (end semester examination)	Internal Assessment marks	Maximum marks	Hours /Week	Credits
		35	15	50	2	2
Total marks/Credits				**300**		**12**

Note - 1. Each course shall have an internal assessment of 30 %. It shall comprise of two written assignments (7.5 % each). The presentations (7.5% each). The concerned teacher. Head of the Department shall maintain the record for at least six months after the declaration of results. *The practicum course will comprise of review record as Internal Assessment of 15 marks.

2. The topic of the Seminars will be assigned to every student by the class teacher concerned and it will be evaluated by a panel of Examiners consisting of two (HOD + concerned teachers of the paper) members.

Head
Department of Psychology
M.D. University, Rohtak (Haryana)
8.5.2024

Name of the Program	Ph.D. Course work	Program Code	PH
Name of the Course	Advances in Research Methodology	Course Code	23PSYPH11C1
Hours/Week	4	Credits	4
Max. Marks.	100	Time	3 Hours
End Exam Theory	70 marks	Internal Assessment	30 marks

Note: Eight questions would be set in all.

There would be two questions from each of the four units.

Candidate would be required to attempt **five questions** (selecting atleast one from each unit.).

All questions carry equal marks.

Course Objectives:
- Develop understanding of development and testing of research ideas and research designs.
- To impart knowledge about Analysis of Variance.
- Impart knowledge and understanding of Correlational techniques and Regression.
- Familiarize the students with qualitative techniques in Psychological research.

Course Outcomes:
- Students be would be able to develop and test research ideas and apply the knowledge of research designs in planning and analysing research.
- Students would gain knowledge about the assumptions, technique and applications of ANOVA
- Students would gain knowledge about special correlational and regression analysis.
- Students would gain knowledge about techniques and applications of qualitative research.

Unit – I

Development and Testing of Research Ideas.

Experimental Designs: Randomized block, Latin Square and Multifactor design, Quasi Experimental design

Unit – II

Analysis of Variance: Uses, Assumptions and Applications of ANOVA in Psychological Research.

ANOVA: Independent and equal N (One way, two way and three way); Repeated Measures (One way and two way) with repeated measures on one and both factors.

2

6.5.2024

Unit – III
Special correlations : Uses and Applications; Biserial, Point Biserial, Tetrachoric and Multiple correlation. Regression: Uses, Assumptions and Limitations ; Simple and Multiple Regression

UNIT-IV
Qualitative Analysis: Applications, Assumptions and Limitations. Qualitative Methods: Content analysis, Grounded Theory, Category Identification, Narratives.

Recommended Books:

Broota K.D. (1989). *Experimental Design in Behavioural Research.* New Delhi: Willey Eastern

Giles, D.C. (2002). *Advanced Research Methods in Psychology.* New York: Rutledge.

Hair, J.F., Anderson, R.E., Tatham, R.L., & Black, W.C. (1995). *Multivariate Data Analysis.* Jersey: Prentice Hall.

Kline, T.J.B. (2005). *Psychological Testing.* New Delhi: Vistaar Publications.

Mc Burney, D.H. (1994). *Research Methods.* California: Brooke/Cole.

McGuigan, F.J. (1993). *Experimental Psychology Methods of Research.* New Delhi: Prentice Hall

.Nachmias, D., & Nachmias, C. (1981). *Research Methods in Social Sciences.* New York: St. Martin's Press.

Ray, W.J. (2003). *Methods.* California: Thomson Wordsworth.

Shaughnessy, J.J. and Zechmeister E.B. and Zechmeister, J.S. (2000) *Research Method in Psychology.* New York: McGraw Hill.

Smith, J.A. (2003). *Qualitative Psychology.* London: Sage Publications.

Smith, J.A.(2008). *Qualitative Psychology: A practical Guide to Research Methods.* New Delhi: Sage.

Spences, B. and Bowers, D (1976). *An Introduction to Multivariate Techniques for Social and Behavioral Sciences.* London: The Macmillan Press Ltd.

Tabachnick, B.G..& Fidell L.S. (1983). *Using Multivariate Statistics.* New York: Harper and Row

Winer, B.J. (1971). *Statistical Principles in Experimental Design.* London: McGraw Hill, Ltd.

6.5.2024

Name of the Program	Ph.D. Course work	Program Code	PH
Name of the Course	Recent Trends in Psychology	Course Code	23PSYPH11C2
Hours/Week	4	Credits	4
Max. Marks.	100	Time	3 Hours
End Exam Theory	70 marks	Internal Assessment	30 marks

Note: Eight questions would be set in all.

There would be two questions from each of the four units.

Candidate would be required to attempt **five questions** (selecting atleast one from each unit.)

All questions carry equal marks.

Course Objectives:
- Develop understanding of Cognitive Psychology in Differential and Cross-cultural perspective.
- Familiarization with the nature and contemporary issues in Military Psychology.
- To understand the nature and relevance of Media Psychology.
- Gain knowledge of the theoretical aspects and applicability of Political Psychology.

Course Outcomes:
- Students would be able to relate theories and the findings from research studies in Cognition to research and professional areas.
- Students would be sensitized to the utility and applicability of Psychology in defence services
- Students would be able to comprehend and apply the psychological processes underlying media effects or influences to research and professional areas.
- Students would be able to comprehend and apply the psychological processes underlying politics to research and professional areas

Unit – I

Cognitive Psychology: Individual differences in Cognition; Gender differences in Cognition; Cognition in Cross-cultural perspective

Unit – II

Military Psychology: Nature and Scope; Contemporary Issues and Emerging Trends; Selection, Allocation and Training.

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6.3.2024

Unit – III

Media Psychology: Nature and scope; Influences of Films on behavior; Portrayal of Social groups in Films; Films and Behavior transformation.

Unit-IV

Political Psychology: Psychologies underlying Political Psychology; Psychology of Racism and Intolerance; Psychology of voting behavior.

Recommended Books:
Galotti, K.M.(2014). *Cognitive Psychology: In and Out of the Laboratory*. New Delhi: Sage
Giles, D.C. (2010). *Psychology of the media*. Basingstoke: Palgrave.
Giles, D.C. (2003). *Media psychology*. Mahwah, NJ: Lawrence Erlbaum Associates.
Hall, R. & Mangelsdroff, A.D. (1991). *Handbook of Military Psychology*. USA: John. Wiley & Sons.
Houghton, D.P. (2009).*Political Psychology: Situations, Individuals, and Cases*. New York and London: Routledge.
Huddy,L., Sears, D.O,& Levy,J.S. (2013)*The Oxford Handbook of Political Psychology*. New York: Oxford University Press.
Kennedy, C.H. & Zillmer, E.A. (2006). *Military Psychology: Clinical and Operational Applications.* N.Y: Guilford Press.
Ramachandran, K. (in press). *Handbook of Military Psychology*. Delhi: DIPR.

6.5.2024

Name of the Program	Ph.D. Course work	Program Code	PH
Name of the Course	**PRACTICUM** Project Report : Library Review Based	Course Code	23PSYPH11C3
Hours/Week	4	Credits	2
Max. Marks.	50	Time	3 Hours
End Exam Practical	35 Marks	Internal Assessment	15 Marks

Learning Objectives:

- To train the students for library based project work.

Learning Outcomes:

- Students would be able to write review based articles.

Project Report: Library Review Based

Each Student will undertake a library review on a topic to be assigned by supervisor (Dissertation) and submit a report. However, the topic will be different from the topic of dissertation. Evaluation of will be on the basis of Report and Viva.

Name of the Program	Ph.D. Course work	Program Code	PH
Name of the Course	Research and Publication Ethics	Course Code	**23PHCC1**
Hours/Week	2	Credits	2
Max. Marks.	50	Time	3 Hours
End Exam Theory	35 marks	Internal Assessment	15 marks

Note: The examiner has to set a total of eight questions comprising two questions from each unit. Candidate would be required to attempt **five questions** (selecting atleast one from each unit). All questions carry equal marks.

Course Objectives:
1. To study the philosophy of ethics
2. To study the scientific conduct of research
3. To study the publication ethics
4. To know about various journal citation databases
5. To know the importance of quality publications

Course Outcomes:
By completion of course the student is able to
1. Ethics in conduct of scientific research
2. Know the scientific misconducts
3. How to avoid plagiarism and what are the penalties of plagiarism?
4. Know the quality of research publications
5. Write research and review articles.

Unit - I

PHILOSOPHY AND ETHICS
1. Introduction to philosophy: definition, nature and scope, concept, branches
2. Ethics: definition, moral philosophy, nature of moral judgments and reactions

SCIENTIFIC CONDUCT
1. Ethics with respect to science and research
2. Intellectual honesty and research integrity
3. Scientific misconducts: Falsification, Fabrication, and Plagiarism (FFP)
4. Redundant publications: duplicate and overlapping publications, salami slicing
5. Selective reporting and misrepresentation of data

Unit - II

PUBLICATION ETHICS
1. Publication ethics: definition, introduction and importance
2. Best practices / standards setting initiatives and guidelines: COPE, WAME, etc.
3. Conflicts of interest
4. Publication misconduct: definition, concept, problems that lead to unethical behavior and vice versa, types
5. Violation of publication ethics, authorship and contributor ship
6. Identification of publication misconduct, complaints and appeals
7. Predatory publishers and journals

6.5.2024

Unit - III

DATABASES AND RESEARCH METRICS

(A) Databases
1. Indexing databases
2. Citation databases: Web of Science, Scopus, etc.

(B) Research Metrics
1. Impact Factor of journal as per Journal Citation Report, SNIP, SIR, IPP, Cite Score
2. Metrics: h-index, g index, i10 index, altmetrics

Unit - IV
Practice

OPEN ACCESS PUBLISHING
1. Open access publications and initiatives
2. SHERPA/RoMEO online resource to check publisher copyright & self-archiving policies
3. Software tool to identify predatory publications developed by SPPU
4. Journal finder/journal suggestion tools viz. JANE, Elsevier Journal Finder, Springer Journal Suggested, etc.

PUBLICATION MISCONDUCT

(A) Group Discussions
1. Subject specific ethical issues, FFP, authorship
2. Conflicts of interest
3. Complaints and appeals: examples and fraud from India and abroad

(B) Software tools (2 hrs.) : Use of plagiarism software like Turnitin, Urkund and other open source software tools

References:
1. Bird, A. (2006). Philosophy of Science, Routledge
2. P. Chaddah (2018) Ethics in Competitive Research: Do not get scooped; do not get plagiarised.
3. Indian National Science Academy (INSA), Ethics in Science Education, Research and Governance (2019).
4. Beall, J (2012), Predatory publishers are corrupting open access. Nature, 489(7415), 179.
5. National Academy of Sciences, National Academy of Engineering and Institute of Medicine (2009). On being a Scientist: A guide to Responsible Conduct in Research, Third Edition, National Academic press.

MAHARSHI DAYANAND UNIVERSITY ROHTAK
Scheme of Examination
Ph.D Course Work in Political Science
(As per Choice based Credit System w.e.f the session 2023-24)

1st Semester of Ph.D Coursework

Sem.	Paper Code	Nomenclature	Hrs/Week L+T+P	Marks			Examination (Hrs.)	Credits L+T+P
				Internal Assessment	Theory Exam Marks	Maximum Marks		
1	23POLPH11C1	Research Methodology	4+0+0	30	70	100	3Hrs.	4+0+0
	23POLPH11C2	Recent Trends and Issues in Indian Politics	4+0+0	30	70	100	3Hrs.	4+0+0
	23POLPH11C3	Key Political Thinkers	4+0+0	15	35	50	3Hrs.	2+0+0
	23PHCC1	Research and Publication Ethics	2+0+0	15	35	50	3Hrs.	2+0+0
Credits		Total				300	Credits=12	

- First two courses shall have an internal assessment of 30 marks. It shall comprise of two written assignments (7.5 marks each) and two presentations (7.5 marks each). The concerned teacher/Head of the Department shall maintain the record for atleast six months after the declaration of results.

- In the courses having 2 credits, the internal assessment will be of 15 Marks including one written Assignment of 7.5 Marks and one presentation of 7.5 marks.

Syllabus For Ph.D coursework (Political Science)
w.e.f. 2023-24

Program Specific Outcomes Ph.D coursework

1. Students will demonstrate mastery in critically applying theories, methodologies and knowledge to address fundamental questions in the field of political science
2. Students will gain skills in various quantitative and qualitative methods of analysis to conduct scholarly research
3. Studentswillgaintheintellectualindependenceandskillstoconductresearchthatresultinoriginalcontribution
4. Studentswilldeveloptheprofessionalskillsneededintheirintendedcareerplacement
5. The course encourages students to become familiar with and capable of engaging with the current research issues and debates in the field.

FIRST SEMESTER
PAPER1: RESEARCH METHODOLOGY

Max Marks: 100
Internal Assessment: 30
Written examination
Marks: 70 Time: 3 Hours

Note:-The Examiner has to set eight questions in all. Two Questions from each unit. A candidate has to attempt five questions in all by selecting at least one question from each unit. All questions carry equal marks.

Course out comes:

1. Understand and apply research approaches, techniques and strategies in the appropriate manner for managerial decision making.
2. Conceptualize the research process.
3. Demonstrate knowledge and understanding of data analysis and interpretation in the relation to the research process.
4. Develop an understanding of various research designs and techniques.
5. Develop an understanding of the ethical dimensions of conduction applied research.
6. Understand some basic concepts of research and its methodologies.
7. Identify various sources of information for literature view and data collection.
8. Explain the different stage of research such as research design data collection, analysis and report writing.
9. Understand the components of scholarly writing and evaluate its quality.

UNIT-I

➢ Theories of knowledge: Empiricism and Rationalism.
➢ NatureofScientificResearch,AssumptionandStepsinscientificmethod,Limitationofscientificmethod
➢ Hypothesis: Nature, Types and sources of Hypothesis, Characteristics of an useful Hypothesis, Importance and Role of Hypothesis
➢ Theory as a guide to Research Process

UNIT-II

➢ Research design, Preparation of Research Design for various types of Research.
➢ Importance and Role of Research Design

- Sampling Design: Concept and Principles of Sampling
- Types of Sampling: Simple Random Sampling, Systematic Random Sampling Stratified Random Sampling, Multi-stage sampling, Non Probability Sampling
- Characteristics and Problems of Representative Sample.

UNIT-III

- Types and Sources of Data
- Techniques of Data Collection: Observation, Interview and Questionnaire
- Data Analysis: Editing and Coding of Data, Classification and Tabulation of Data, Scaling Techniques, Statistical Analysis: Measures of Central Tendency, Co-relations Content Analysis

UNIT-IV

- Research and Theory
- Research Report Writing
- Problems of objectivity in Social Science Research

Books Recommended
Galtung, John Theory and Methods of Social Science Research (London: George Allen & Unwin, 1970) Good, W.J. & Hatt, Paul K. Methods in Social Science Research (London: McGraw Hall, 1952)
Ledge & Francis   Political Research, Design, Measurement & Analysis (New York: Harper & row, 1975) Fred N. Kerlinger Foundations of Behavioral Research (New York: St.Martin's Press 1980)
Paul Davidson, R.   A Primer in Theory Construction(IndianapolisBoodsMarrill,1971)
Jarol B. Manheim &   Empirical Political Analysis: Research methods in Political Science (New Jersy Preticehall, Inc.E. Richard C. Rich   glewoodCliffs,1981)
Laersfeld, P.E. & Katse Laguange of Social Research-A Reader in the Methodology of Social Research (New York: Free Press, 1978)
Keneth D. Bailey   Methods of Social Research (New York: Free Press, 1978) Varieties of Political Theory (New Jersey:
David Easton   EnglewoodCliffs,PrenticeHall,1965)
Taro Yamano   Elementary Sampling theory (Englewood Cliff, Prentice Hall, 1967) Earl R. Beoble   Survey Research Methods(Balment,Cliff,Wondsworth,1973) Charles Y. Glick   Survey Research Methods(balment,Cliff,Wondsworth,1973)
A Moser & G. Kalton   Survey Methods of Social Investigation (London henmann Education Books, 1971) Herbert Hyman   Survey Design & Analysis(NewYork:FreePress,1955)
RaymondL. Gardong

PAPERII: RECENT TRENDS AND ISSUES IN INDIAN POLITICS

Course Outcomes:
1. Equip the students with a critical understanding of the contemporary processes of socio-political change.
2. Explain the institutional and non-institutional political processes and to sensitize the students on informal process of politics
3. Develop an understanding about the concepts and approaches related to political sociology
4. Gives a broad overview of the essential characters and role of state politics in India
5. Recognize the role of regional political parties and evaluate how these party politics and elections create an impact on India's democratic institutions
6. Put light on the new emerging trends in Indian politics like hindutava, gender politics, environmental issues etc.

Max Marks: 100
Internal Assessment: 30
Written examination Marks: 70
Time: 3 Hours

Note:- The Examiner has to set eight questions in all. Two Questions from each unit. A candidate has to attempt five questions in all by selecting at least one question from each unit. All questions carry equal marks.

Unit-I

➢ **Recent trends in India federalism; Demands of State Autonomy and Separatist Movement, Tension areas in Centre- State Relations, Impact of Planning and Party System on Federalism.**

Unit–II

➢ **Tradition and Modernity in India, Politics of Reservation, Political Corruption, Criminalization of Politics, Terrorism, Politics of Violence, Globalization and its implication for India.**

Unit–III

➢ **Election Commission of Electoral Reforms, Electoral Politics and Voting Behaviour**

Unit–IV

➢ **Rise of Hindu Nationalization and Discourse on Hindutva, Discourse on Secularism, Dalit and Backward Caste Politics, Women Politics and Gender Debate**

Books Recommended:

W.H. Morris Johns : The Govt. and Politics in India.
Granville Austin : Indian Constitution
K.V. Rao : Parliamentary Democracy in India.
V.R. Mehta : Ideology, Modernization and Politics in India.
Rajni Kothari : Politics in India.
Desai, A.R. : Recent Trends in Indian Nationalism.
Smith, Donald E. : India as a Secular State.
K.R. Bombwall : Indian Constitution and Administration.
M.V. Pylee : Constitutional Government.
R.L. Hardgrave : Government and Politics in Developing Nation
Norman, D. Palmer : Indian Political System.
J.R. Siwach : Dynamics of Indian Government and Politics

PAPER-III: KEY POLITICAL THINKERS

Course Outcomes:

1. Put in perspective the western political philosophy
2. Critically engage with western political philosophies in terms of what it means to us
3. Familiarize the students with the various schools of political thought
4. Impart students with knowledge advocated by various political philosophers on state and politics
5. Project the history of political thought as a series of critical, interconnected and open-ended conversations
6. Makes students able to critically examine the complex character of state and politics

Max Marks:	*50*
Written examination Marks:	*35*
Internal Assessment:	*15*
Time:	*1½Hours*

Note The Examiner has to set eight questions in all. Two Questions from each unit. A candidate has to attempt five questions in all by selecting at least one question from each unit. All questions carry equal marks.

Unit-I

➢ **Plato:** Ideal State, Theory of Justice, Theory of Education and Communism.
➢ **Aristotle:** Theory of State, Revolution, Citizenship, Property and Slavery.
➢ **Machiavelli:** Theory of State and Government, Ideas on Politics, Morality and Religion

Unit–II

➢ **Hobbes:** Theory of Social Contract and Sovereignty
➢ **Locke:** Theory of social contract and limited government
➢ **Rousseau:** Theory of Social Contract and General Will
➢ **Hegel:** Dialectical Method, Idea of State
➢ **Marx:** Dialectical Method, Theory of Historical Materialism, Idea of Class Struggle

Books Recommended

Cockar, F.W. Recent Political Thought (Calcutta World Press,1957
Carew-Hunt R.N The Theory and practice of Communism (Pelicn Edition
1965) Deane, H.A The Political Ideas of Laski (New York Columbia University
Press, 1951) Mayer, Alfred, G Leninism (Cambridge, 1957)
Verma,V.P Modern Indian Political Thought (Agra,Laxmi Aggarwal,1972)
J.Rawls A Theory of Justice
Gandhi, Madan G Modern Political Analysis (Oxford&IBH ,Delhi,1982)
Gandhi, Madan G Modern Political Theory (Oxford&IBH,Delhi,1982)

theory of social contract and limited govern

Max Marks:	*50*
Written examination Marks:	*35*
Internal Assessment:	*15*
Time:	*1½Hours*

Note: The Examiner has to set eight questions in all. Two Questions from each unit. A candidate has to attempt five questions in all by selecting at least one question from each unit. All questions carry equal marks.

Course Outcome
After going through the syllabus, the students can
CO-1. Understand the Concept of Research Writing: Abstract writing, Paper writing, Review writing and Proposal writing CO-2Become well versed with the Research Referencing and Citation
CO-3Get knowledge about the Leading Research Institutions in Social Science
CO-4 Understand the Research and Publication Ethics and the Concept of
Plagiarism. CO-5 Get knowledge about the Impact Factor and Citation Data
Bases of Research.

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Unit-I

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➢ *Concept of Research Writing: Abstract writing, Paper writing, Review writing,*
➢ *Research Referencing and Citation: Concept & Styles, Citation Data Base*
➢ *Research Proposal: Concept, Elements, Guidelines and Funding Pattern*
➢ *Leading* Research Institutions in Social Sciences: ICSSR, TISS, ISS, Centre for Policy Research

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Unit-II

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➢ Research Ethics: Concept, Elements, Principles and Guidelines
➢ Publication Ethics: Role of MHRD, Role of UGC
➢ Plagiarism: Concept, types, Reasons, Measures to Remove Plagiarism,
➢ Impact Factor: Concept, Origin, Features & Significance, Measurement of Impact Factor.

Suggested Books:

1. David Nachmias and Chava Nachmias, Research Methodology in the social Sciences, St. Martin Press, Inc 1976.
2. Davendra Thakur, Research Methodology in Social Sciences, Deep and Deep Publications Pvt. Ltd, New Delhi; 2003
4. P. Sarvanand, Research Methodology, Kitab Mahal Allahabad,1992
5. Abdel Basetl. M. Hasouneh, Research Methodology, Sublime Publication,Jaipur,2003.
6. D.K.Lal Das, Designs of Social Research, Rawat Publication, New Delhi,2005
7. Ram Ahuja, Research Methods, Rawat Publications,Jaipur,2001.
8. Jhon Galtung,Theory and Methods of Social Research,New York, Columbia University,1967.
9. David Nachmias and Nachmias, Research Methods in Social Sciences, New York, St.Murthin Press,1981.
10. Hold Rinehart and Winson, Kerlinger: Foundation of Behavioural Research, New York.
11. Kerlinger,Foundation of Behavioural Research, New York, Hold Rinehart and Winston.
12. Ranjeet Kumar, Research Methodology: A Step by Step Guide for Beginners, Sage Publications, New 0Delhi,2014.