

**Maharaja Chhatrasal Bundelkhand University,
Chhatarpur (M.P)**



**School of Studies in Geography
& Research Centre**

**Syllabus
Ph.D. Course Work**

2022-23

Ray
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Shivani

19/7/22

Maharaja Chhatrasal Bundelkhand University, Chhatarpur (M.P)

Ph.D. Course Work 2022-23

School of Studies in Geography & Research Centre

Subject: Geography

CBCS PATTERN

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अमृत महोत्सव

S.N.	Course Code	Title of Course	Max. Marks	No. Of Credits (Per week)	Weighthage for Semester end Examination	Weighthage for Semester Internal Examination (CCE)
1	GEOG Ph.D.1	शोधप्रविधि का प्रश्न पत्र Research Methodology	100	4	60	40
2	GEOG Ph.D.2	प्रकाशित शोध का परीक्षण Review of Research in the relevant field	100	3	लिखित प्रस्तुति = 60 मौखिक प्रस्तुति = 40 कुल = 100	
3	GEOG Ph.D.3	कम्प्यूटर अनुप्रयोग Computer Applications	100	3	60	40
4	GEOG Ph.D.4	भूगोल Geography	100	3	60	40
5	GEOG Ph.D.5	मौखिकी Comprehensive Viva-Voce	100	3		
			500	16		

Note :

1. The candidate has to obtain a minimum of 55% of marks of its equivalent grade points in aggregate in the course work in order to be eligible to continue in the Ph.D. program.
2. If candidate obtain 'F' or 'Ab' grade in the course/subject, he/she will be examination in the next semester.
3. If candidate further fails in the course, he/she shall be not given another change and shall be out of the Ph.D. Program.

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Maharaja Chhatrasal Bundelkhand University, Chhatarpur (M.P)



Ph.D. Course Work 2022-23
School of Studies in Geography & Research Centre
Subject: Geography



Geography - Ph.D. 01 Research Methodology
Credit-04, hours-60 (5 X 12)

M.M. : 100

This course aims to provide a understanding of social phenomena. The research scholars are expected to theoretical and philosophical familiarize with the various social research techniques and methods. The major aim of the course is to enable research scholars about the using of theories in the social research.

Unit-I

Nature and Types of Sociological Theory,
The Relationship between Theory and Fact.
Methodological orientation in sociological research

Unit-II

Research Design: Identification of Problem; Study of Related literature;
Formulation of Hypothesis

Unit-III

Methods:
Qualitative: historical and comparative; observation methods; textual Interpretation; case study,
Ethnography

Unit-IV

Quantitative: Survey, content analysis
Techniques: Sampling: Observation; Interview; notes; diaries; oral Geography;

Unit-V

Statistics for social Research: Measures of Central Tendency: Mean, Median and
Mode; Standard Deviation, Correlation and Interpretation of data
Referencing and Documentation in social science research

Essential & Suggested Readings:

1. Bose, Pradip Kumar, 1995: Research Methodology, New Delhi: ICSSR.
2. D.A.de Vaus. 1986. Suveys in Social Research. London: George Relen and Unwin.
3. Srinivas, M.N. and A.M. Shah 1979. Field Worker and the Field. New Delhi: Oxford.
4. Mukherjee, P.N. (eds.) 2000 Methodology in Social Research: Dilemmas and Perspectives, New Delhi: Sage. (Introduction)
5. Smelser, Neil J. Comparative Methods in Social Science.
6. Ramchandran, P. Research & Statistics for (2000). Social Work: Secundarabud Andharapradesh Social services society.
7. Bajaj and Gupta 1972. Elements of Statistics. New Delhi : R.Chand Co.
8. Srinivas, M.N. and A.M. Shah 1979. Field Delhi: Oxford.
9. Young, P.V. 1998 Scientific Social Surveys and research, New Delhi. Prentice Hall.
10. Bryman, Alan 1988 Quality and Quantity in Social Research. London: Unwin

Geography - Ph.D. 02 Review of Published Research in Relevant Field
Credit-03, hours-60 (4 X 15)

M.M. : 100

- * This paper is devoted to change students with review of Articles, Books, and Monographs in social sciences related to their board areas of proposed research proposal.
- * The students will be evaluated through the open class room presentation and viva-voce.

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Geography - Ph.D. 3 - Computer Applications

Credit-03, hours-60 (5 X 12)

M.M. : 100

Introduction of Computer- Basic Computer organization. Computer Peripherals'. Types of software.

Structural and Functional Aspects of Computers.

Commonly used programmes and packages- Windows, Windows XP. Icons and Desktop properties.

Introduction to MS Word, MS Excel, Power point-

Word processor, MS word Starting and Ending. Formatting and printing of document. Making Excel Files. Slide Preparation and Presentation.

Internet and SPSS-

Introduction to internet and its application in Research Introduction to SPSS.

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Geography - Ph.D. 04
Credit-03, hours-60 (5 X 12)

M.M. : 100

Unit – I

Geography of Environment Environment : Meaning, definition, concepts and theories related to environment. Components of Environment: Classification and their interdependent relationship.

Ecological concepts : Ecosystem : meaning, definition, concept and components. Main terrestrial ecosystems of the world – forests and agriculture. Geography as human ecology.

Unit- II

Urban Geography Nature and scope of Urban Geography, different approaches and recent trends in Urban Geography; origin and growth of urban settlements: functional classification.

Urban systems: urban growth and theories. Urban hierarchy, Central Place theory of Christaller and Losch. Contributions of Indian scholars to the studies of urban settlements. Urban economic base: basic and non- basic functions, input-output models, concepts of dualism; colonial and post-colonial structure

Unit- III

Geography of Tourism Basics of Tourism definition of tourism, factors affecting tourism, historical, natural Socio-cultural and economic, motivating factors for tourist: (leisure, recreation, elements of tourism as an industries.)

Geography of tourism - its spatial affinity, areal and locational dimensions comprising physical, cultural, historical, and economic, tourism: cultural, eco-ethno-coastal and adventure tourism, national international tourisms, globalization and tourism.

Unit- IV

Agricultural Geography : Nature scope and Significance of Agricultural geography, approaches to the study of agricultural geography, commodity, systematic and regional; origin and dispersal of agriculture.

Agriculture in India- Land use and changing cropping pattern. Regional pattern of Productivity in India. Green revolution and its impact, white revolution; food deficit and food surplus regions; Specific Problems in India agriculture and their management, Agricultural policies in India.

Geography of Population : Nature and scope of Population Geography. Development of population Geopgraphy as field of specialization. Its relation with the Demography. Sources of population data, their problems, mapping the population data. Population distribution and density: Growth of population theoretical issues, world pattern and their determinants.

Unit- V

Regional Planning & Development : Regional concept in geography, conceptual and theoretical framework, changing concept of regions, concept of space. Types of region: Formal and functional: Uniform and nodal.

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Cartography : Map as a Tool in Geographical Studies types of maps, single purpose and composite maps, choropleth; Isopleth Dot and Chorochromatic maps. Remote sensing and computer application in mapping geographic information system (GIS).

Suggested Readings :

1. Saxena, H.M. Environmental Geography. Rawat Publications. Jaipur, 2000
2. Saxena, H.M. Environmental Management. Rawat Publications. Jaipur, 2000
3. अवस्थी एन एम एवं आर पी तिवाशी पर्यावरण भूगोल मध्यप्रदेश हिन्दी ग्रन्थ अकादमी, भोपाल, नेगी, पी.एस पारिस्थितिकीय विकास एवं पर्यावरण भूगोल रस्तोगी एन्ड कम्पनी, मेरठ, 1995
4. रघुवंशी अरुण और चन्द्रलेखा रघुवंशी पर्यावरण तथा प्रदूषण मध्यप्रदेश हिन्दी ग्रन्थ अकादमी, भोपाल 1989।
5. Nagia, Sudesh: Delhi Metropolitan Region - A Study in Settlement Geograply. Rajesh puf-ation. 1976.
6. नगरीय भूगोल बंसल।
7. नगरीय भूगोल आर. बी. मण्डल।
8. रैना ए.के. पर्यटन प्रबंध सिद्धान्त और व्यवहार अभिनव प्रकाशन अजमेर 2007।
9. सिंह सुमन्त, डॉ. वी.पी. सिंह मध्य प्रदेश में पर्यटन आदित्य पब्लिशर्स, बीना 2000।
10. व्यास राजेश कुमार भारत में पर्यटन विद्या विहार नई दिल्ली 2008।
11. Noor Mohammad, ed. New Dimensions in Agricultural Geography.
12. Mazid H. : Agricultural Geography.
13. बी. एल. शर्मा : कृषि भूगोल, साहित्य प्रकाशन अकादमी।
14. प्रमिला कुमार : कृषि भूगोल, म. प्र. हिन्दी ग्रन्थ अकादमी।
15. Garnier, B.J. ; Geography of Population. Longman London, 1970
16. चौदना, आर.सी. :- जनसंख्या भूगोल, कल्याणी पब्लिशर्स नई दिल्ली, 2001।
17. Abler, R.et al : Spatial Organization - The Geographer's view of the world. Prentice Hall. Bhat, L.S. regional planning in India Statistical. Pub. Society, Culcutta 1973.
18. Mishra, R.P. et.al. "Regional Planning in India.

Maps
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Geography - Ph.D. 05 Comprehensive Viva-voce
Oral/Multimedia Presentation
Credit-03

M.M. : 100

The candidate will have to present a viva in front of internal examiner, External examiner, Head of the Institution and other faculty members regarding theory papers research review work, It is an oral multi-media presentation.

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Maharaja Chhatrasal Bundelkhand University, Chhatarpur (MP)

Choice Base Credit System (CBCS)

Pre- Ph.D. Course Work for Library Science

Session 2023-24 & Onwards

S.N	Course Code	Title of Course	Max.Marks	No.of Credits (Per Year)	Wegthage for Semester Examination	Weightage for Semester Internal Examination (CCE)
1	LIB Ph.D. 101	शोध प्रविधि का प्रश्न पत्र Research Methodology	100	4	60	40
2	LIB Ph.D. 102	कम्प्यूटर अनुप्रयोग पत्र Computer Application	100	3	60	40
3	LIB Ph.D. 103	Advanced Course of Library and Information Science	100	3	60	40
4	LIB Ph.D. 104	इप्रकाशित शोध का परीक्षण Review of Research in the relevant field	100	3	लिखित प्रस्तुति = 60 मौखिक प्रस्तुति = 40 कुल = 100	
5	LIB Ph.D. 105	मौखिक Comprehensive Vive - Voice	100	3		
			500	16		

Note:

1. The candidate has to obtain a minimum of 55 of marks of its equivalent grade points in aggregate in the course work in order to be eligible to continue in the Ph.D. Programm.
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Maharaja Chhatrasal Bundelkhand University, Chhatarpur (MP)

Choice Base Credit System (CBCS)

Pre- Ph.D. Course Work for Library Science

Code-LIS Ph.D. 103

Advance in Library and Information Science in Research and Education

Maximum Marks-100

Credit-3

Course Outcome

- To know the main streams of research and their applications in LIS
- To acquaint the students with the application of ICT tools and technologies in LIS
- To develop the knowledge and skills necessary to access research
- To understand details about IPR and References Management tools

Unit-1 ICT Applications

- Web Technology & Interactive Digital Resources: Nature, Features and Types; Internet and Web Technology including Library Service Web Tools
- LIS Discussion Forums and Mailing Lists (ListSers) OAI and Metadata harvesting, Data mining and data warehousing, Standards - Z39.50, RDA, Dublin Core

Unit-2 Introduction to Bibliometric

- Scope and Features of Librametry Bibliometric, Scientometrics, Informatics, Cybernetics and Web metrics • Citations Altmetrics and Article-Level Metrics
- Bibliomric Laws:, Garfield, Application of Bibliometric Laws in Web; Bibliometric indicators (Journal Impact factor, h-index and its derivatives, etc.)
- Webometric indicators (Web Impact Factor, WISER, etc.)

Unit-3 ICT use in Library

- RFID technology and its application libraries. Types of consortia, consortia Initiative in India.
- Basic of E-Resources, Types, Features, advantages and limitation.
- Electronic Publishing, E-Learning, Indian Copy Right in Digital Library
- Plagiarism and Fair Use, IPR
- Digital Objective Identifier

Unit-4 Digital Library

- Digitization- Planning, Selection of Material, Hardware and Software Archiving, Preservation and access.
- Web-Scale Discovery Services
- Web 2.0 and Library 2.0 and 3.0

Unit-5 Library Network

- Inlibnet and its Services
- LISA, LISTA
- These and Dissertation.com
- Information Needs, Concept, Information Literacy Model, ACR Standard

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Maharaja Chhatrasal Bundelkhand University, Chhatarpur (MP)

Choice Base Credit System (CBCS)

Pre- Ph.D. Course Work for Library Science

Code-LIS Ph.D. 104

Review of Literature

Maximum Marks-100

Credit-3

Review of Literature Guidelines for candidates-

- Review of publish research work in the relevant field should be at last 10 years.
- Reviews of literature should be from recognized journals, books, websites etc.
- Reviews of literature should be submitted in A4 size paper types in 12 font sizes, Times and Raman font in English and 16 font size kurtidev in Hindi with spiral bind along with 4 hard copy.
- Minimum 30 reviews of literature are compulsory for the student.
- Review of 10 references of books related to research area.
- Review of 10 theses related to research area.
- Review of 10 research papers related to research area.

Maharaja Chhatrasal Bundelkhand University, Chhatarpur (MP)

Choice Base Credit System (CBCS)

Pre- Ph.D. Course Work for Library Science

Code-LIS Ph.D. 102

Computer Application

Maximum Marks-100

Credit-3

Unit-1 Introduction of Computer

- Computer: Concept, Meaning, Types of Computer.
- Generation of Computer.
- Input and Output Devices.
- Types of Storage Devices.

Unit-2 MS Word

- Word Processing Programmes and their uses in research work. Formatting of contents of research report.
- Insertion of table, Pictures, Graphs and Shapes.

Unit-3 MS Excel

- Statistical analysis of data by using of MS Excel.
- Entering Data, Values, Dates and Formulas in a Worksheet. Editing, Formatting. Adding Charts and Images to a Worksheet. Conditional, Data Sorting and Filter.
- SPSS, Introduction, tabulation and Graphs. Use of Statistical Techniques and their application classification of data: Mean Median, Mode, Measures of Variability, Chi-square, T-Test, Correlation, ANNOVAs, and B-Regression.

Unit-4 Power Point Presentation of Data and Reports

- Process of Creating a presentation, Formatting Slides, Creating Slide shows, Presentation graphics, Insert slide no., text boxes, pictures, table, slide from files, format, font, slide layout, slide design, background, setting the default settings.
- Tools, spellings, slides show, view show, setup show, animation, custom animations, custom shows
- Slides transitions, hide slide.

Unit-5 Internet

- Websites searching, Data Mining
- Search engines and use in research
- E-mail: Creation, mailing etc.
- Download and uploading files and conversion of PDF files.

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2. Probability sampling random, systematic random sampling, two stages and multi stage sampling, cluster sampling.
3. Non-Probability sampling; purposive quota and volunteer sampling snowball sampling

Unit-III Research Design

- **Basic principal research design:**

1. Purpose of research design: fundamental, applied and action, explanatory and descriptive, experimental, survey and case study.
2. Longitudinal and cross sectional, co-relational.

- **Data Collection**

1. Finding the correct source of information - use of books periodicals and encyclopaedia, research journals, collection and organization of material, use and importance of e-library.
2. Types of data, devices used in data collection. Pilot Study and pre test of tools Suitable combination and selection of method for data collection.
3. Observation, questionnaire, interview, scaling methods. Case study home visits, reliability and validity of measuring instruments.

Unit-IV Statistical Analysis

1. Measures of central Tendency – mean, median mode .Application of students 't' test for small samples. Difference in proportion for means and difference in means
2. Measures of variability- Quartile and Standard deviation.
3. Testing of hypothesis, Errors in testing hypothesis ,levels of significance stating results.
4. Correlations, coefficient of correlation, rank correlation.
5. Chi Square tests- for small and large sample.
6. Critical ratio.
7. Analysis of variance-one way and two-way classification.

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(ii) *Ans*
(iii) *Ans*

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Anshu Sagar

Choice Base Credit System (CBCS)
Pre-Ph.D. Course Work for Home Science
(Food & Nutrition, Human Development, Clothing & Textile,
Resource Management, Home Science)
Course I
Research Methodology

Marks - 100

Credit - 05

Objectives -

- Understand the meaning process and importance for conducting research in Home Science
- To Select Problem tools and methods for conducting research
- Understand the role of statistics and computer application in research to apply statistical techniques for analyzing research data
- Understand importance of scientific writing

Unit-I Research Methodology

- Science Scientific methods
- Role of statistics and research in Home Science discipline Objective of research explanation control and prediction
- Types of research Historical, descriptive experimental, case study, social research
- Definition and identification of a research problem
 - 1 Selection of research problem
 - 2 Hypothesis, basic assumptions, limitation and delimitations of the problems

Unit-II Variable & Sampling

- Types of variables
- Theory of probability
 - 1 Population and sample

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Unit-V The Writing Process

- Use outline as a starting device.
- Introduction, Review of literature, methods, result and discussion. Ask question related to content, continuity clarify validity internal consistency and objectivity during writing each of the above parts Quotation, footnotes, bibliography, standard abbreviations style of writing Analysis off data and Report Writing.
- Research Ethics
- IPR
- Cyber Law
- Copy Right

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History - Ph.D. 01 Research Methodology
Credit-04, hours-60 (5 x 12)

M.M. : 100

Unit-I

Define Research Problem : Necessity and techniques involved in it.
Research Design : Meaning, need, features of Research Design.

Unit-II

Design of Sample Survey : Sample Design & its types, sampling & non-sampling errors, sample survey v/s census survey, probability sampling vs non-probability sampling, complex random sampling designs.
Measurement & Scaling : Classifications and goodness of measurement scale, sources of error in measurement, scaling techniques.

Unit-III

Data Collection : Experiments and surveys, collection of primary data and secondary data, case study method.
Data Preparation : Questionnaire checking, editing, coding, classification, tabulation, graphical representation, data cleaning, data adjusting, types of analysis.

Unit-IV

Descriptive Statistics: Measures of Central Tendency (Mean, Median, Mode, other averages), Measures of Dispersion (Range, Mean Deviation, Standard Deviation) Measure of Skewness, Measure of Relationship.
Hypothesis : Testing and its limitations

Unit-V

Analysis : Chi-Square Tests, ANOVA, ANOCOVA, Sign Test, Wilcoxon Signed Rank Sum Test, Mann Whitney U test, Run Test, Kruskal-Wallis Test, Dependent & Independent variables, Simple Linear Regression Model, Multiple Linear Regression Model, SPSS, Factor Analysis, Discriminant Analysis, Cluster Analysis.
Interpretation & Report Writing : Meaning, Techniques & Precautions of Interpretation, significance of report writing & its steps, Types of Report, Layout & Precaution of writing a Research Report.

Books :

1. Bose, Pradip Kumar, 1995: Research Methodology, New Delhi: ICSSR.
2. D.A.de Vaus. 1986. Suveys in Social Research. London: George Relen and Unwin.
3. Srinivas, M.N. and A.M. Shah 1979. Field Worker and the Field. New Delhi: Oxford.
4. Mukherjee, P.N. (eds.) 2000 Methodology in Social Research: Dilemmas and Perspectives, New Delhi: Sage. (Introduction)

History - Ph.D. 04 Indian History at a glance

Credit-03, hours-60 (5 x 12)

M.M. : 100

Unit-I

Definition, Scope, Nature, Saraswati - Life of Indus Civilization, Life of Vedic Civilization, Maurya Dynasty, Mauryan Architecture and Sculpture, Gupta Architecture and Sculpture.

यूनिट -I

इतिहास की परिभाषा, क्षेत्र, प्रकृति, सरस्वती - सिंधु सभ्यता का जीवन, वैदिक सभ्यता का जीवन, मौर्य वंश, मौर्य स्थापत्य एवं मूर्तिकला, गुप्तकालीन स्थापत्य एवं मूर्तिकला।

Unit-II

Guild-Organization in Ancient India, Status of Women in Ancient India, Education System in Ancient India, Meaning of Sanskar, Upanayana and Marriage Sanskar.

यूनिट-II

प्राचीन भारत में श्रेणी-संगठन, प्राचीन भारत में नारी की स्थिति, प्राचीन भारत में शिक्षा व्यवस्था, संस्कार का अर्थ, उपनयन और विवाह संस्कार।

Unit-III

Meaning of Tourism, Major Elements of Tourism, History as a Tourism Product, Bhim Baithka, Sanchi, Eran, Vidisha, Khajuraho.

यूनिट-III

पर्यटन का अर्थ, पर्यटन के प्रमुख तत्व, पर्यटन उत्पाद के रूप में इतिहास, भीम बैठका, सांची, एरण, विदिशा, खजुराहो।

Unit-IV

Hindu Resistance in the First and Second Battle of Panipat, Akbar and Rajput Resistance, Aurangzeb and Shivaji, Mughal Resistance in Bundelkhand and Role of Chhatrasal.

यूनिट -IV

पानीपत के प्रथम तथा द्वितीय युद्ध में हिंदू प्रतिरोध, अकबर और राजपूत प्रतिरोध, औरंगज़ेब और शिवाजी, बुन्देलखण्ड में मुगलों का प्रतिरोध एवं छत्रसाल की भूमिका।

Unit-V

Public anger against British Empire - First War of Independence of 1857, Indian Renaissance and Religious Movement, Raja Ram Mohan Roy and Brahma Samaj, Devendranath Tagore, Ishwarchandra Vidyasagar, Dayanand Saraswati and Arya Samaj, Ramakrishna Paramhansa and Swami Vivekananda.

यूनिट -V

ब्रिटिश साम्राज्यवाद के विरुद्ध जनताकोश - 1857 का प्रथम स्वतंत्रता संग्राम, भारतीय पुनर्जागरण एवं धार्मिक आंदोलन, राजा राम मोहन राय एवं ब्रह्मसमाज, देवेन्द्रनाथ टैगोर, ईश्वरचंद्र विद्यासागर, दयानंद सरस्वती और आर्य समाज, रामकृष्ण परमहंस और स्वामी विवेकानंद।