

Ordinances of Ph.D. Course Work in Geography

(For the Session 2016 -2017 onwards)

- Title** : The Title of the Course Shall be Ph.D. in Geography
- Objective** : The Objective of the Course curricula is to inculcate academic skills among students with a view to meet the contemporary needs and challenges of the society at National and international level. It also focuses the avenues for the students in industrial organizations, institutions or self-employed groups.
- Duration** : The Minimum duration shall be 6 months from the date of registration.
- Course Structure** : There Shall be following Two Papers
Paper - 1: Research Methodology in Geography.
Paper-2: Fundamental Concepts & Contemporary Issues in Geography.
- Each Paper shall be evaluated out of 100 marks. There shall be written examination in each paper with 70 marks.
 - There shall be Internal Assessment with 30 Marks in each paper.
 - The candidate who successfully qualified Ph.D. course work shall be eligible for getting admission to Ph.D. programme and the topic of research along with synopsis and supervisor shall be decided by the DRC (Departmental Research Committee)
 - There shall be three Lecture per week in each Paper. Duration of each Lecture will be of one hour The Lecture/Project/Assignments shall be conducted in the Department of Geography as per the time Schedule so prepared.
 - The Semester end examination of the course work shall be conducted by the respective HODs. The pass marks in the course work shall be 50% for all students in each paper and in aggregate.
 - Only one additional attempt shall be given to unsuccessful candidates along with the next batch.
 - The Reservation Policy as per the rules of University of Lucknow will be followed.
- Examination** :

PAPER – I : RESEARCH METHODOLOGY

Max. Marks : 70 Marks

Unit-I : Approaches and types of Research, Inductive & Deductive, Logical & Scientific thinking, formulation of Models and their Application, systems Approach.

Unit-II : Research Design; What is Research Design? Steps in Research Design, Selection & Identification of the problems, objectives, Hypotheses, Source of data & Data Collection, Methodology, Literature Review & Work Plan for Ph.D. Referencing, bibliography, Appendices, Forms of Research Design; Classical design, Experimental Design (Conceptual frame work)

Unit-III : Computer Application, Application of G.I.S., SPSS and M. S. Office, AUTOCAD, Arial Photography & Remote Sensing.

Unit-IV : Statistical Techniques – Life history, Developmental Techniques, Genealogy; Genetic Research Philosophical roots of Social Research. Measures of Central Tendency, Correlation & Regression Analysis, Significance Test-Chi Square Test, Student's T Test, Nearest Neighbour analysis, Measures of dispersion, Time Series, Index Number, Probability, Interpolation & Extrapolation, Sampling, Gravity & Potential Models

Internal Assessment :

30 Marks

Paper – II : Fundamental Concepts & Contemporary Issues in Geography

Max. Marks : 70 Marks

A. FUNDAMENTAL CONCEPTS :

Unit-I : Fundamental concepts of geomorphology, Population Geography, Agriculture Geography, Settlement Geography (Rural and Urban) and Political Geography.

Unit-II : Fundamental Concept of Social Geography, Resource Geography, Regional Planning and Development, Environmental Geography and Remote Sensing & Geographical Information Systems (G.I.S.).

B. Contemporary Issues:

Unit-III : Science & Technology; Integrated field of Science & Technology and Geography, Advent of Modern Science & Technique and Geography. Policies of Science, Policies of Technology, Policies of Geography. Accruing benefits for people, Science & Technology Mission & Linkages. Environmental Security, Problem and Policies, Disaster Management and Climate Change, Techniques of Regional Development and Planning (Rural & Urban)

Unit-IV : Land Use Land Cover Changes, Biodiversity, Sustainable Agriculture and Food Security, Critical Geo-Politics & Regional Security and Application of Remote Sensing and G.I.S. Techniques.

**Internal
Assessment**

30 Marks