

Syllabus for Ph.D. Course work in Geography (2025-27)

Paper – II Geography – elective (15 C)

There are two papers: each with 15 credits. Total credit: 15 X2 = 30

I credit = Five lecture of 1 hour each.

C= credit; L = Lecture

Paper - I Research Methodology, Computer Fundamentals, Statistical tools and techniques in Geography (15 C)

Paper – II Geography – elective (15 C)

Paper - I : Research Methodology, Computer Fundamentals, Statistical tools and techniques in Geography (15 C)

A	Research Methodology: Procedure of Scientific Research, Defining Research Problem, Review of Literature, Formulation Hypothesis, Research design, Explanation in Geography
B	Sources of data in Geography, Methods of data collection: observation, schedule, questionnaire and interview, Processing of data: editing, coding, classification and tabulation, data Representation Techniques, Sampling: sampling methods and size of the sample.
C	Analysis of data: Measurement of Central Tendency, dispersion and relationship. Probability, Important Scaling techniques and quantitative techniques: Correlation: Rank order Correlation, Product Movement Correlation.
D	Describing Point Patterns; Mean Centre, Nearest Neighbor Analysis, Hypothesis Testing:- 't' test 'F' test, Chi-square Test. Rank Size Rule, Lorenz Curve, Functional Classification of towns, Linear Regression.
E	Interpretation and preparation of Research Report: Meaning and techniques of interpretation, Research ethics, steps, layout and type of reports, Structure of research Report, Plagiarism, Reference, Bibliography, Formulating Research Paper, citations.
F	Computer application: Computer fundamentals, Microsoft office (word, Excel and Power Point), internet, Computer cartography, Remote sensing and GIS application.


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Paper – II - Elective (15 C)

A1	Geomorphology
A2	Population Geography
A3	Social Geography
A4	Settlement Geography (Rural and Urban)
A5	Agriculture Geography
A6	Resource Geography
A7	Regional Development and Planning
A8	Remote Sensing and GIS
B	Review writing-Topic of review relevant to the proposed Ph. D. work
C	Writing of research proposal, statement of problem, objective, hypothesis, and plan of the thesis.
D	Thesis writing, Formats of report writing, Formats of Publications in research Journals; Bibliography
E	Seminar presentation; Preparation of Research Paper

Scheme of examination for the pre-Ph.D. course work for Geography		
Examination scheme		
1	The question paper will be of 100 marks	
2	There will be five questions. All the five questions shall be compulsory.	
3	The pattern of the question paper shall be as follows:	
	Q. 1 Objective questions of multiple choice type (40 questions to be answered) covering contents of both papers equally.	40
	Q.2. Short answers type questions (in about 50-100 words)	10
	Q.3. Shorts notes (in about 200-250 words)	10
	Q.4. Preparation of any suitable research proposal	20
	Q. 5. Preparation of any research paper	20
4	The answer papers will be assessed independently by two examiners.	
5	The candidate must obtain 50% or more marks to qualify in the course work	


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