

## Syllabus for Ph.D. Course work in Geography (2024-25)

### 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.

*[Handwritten signature]*  
14.06.24

*[Handwritten signature]*  
12.6.24

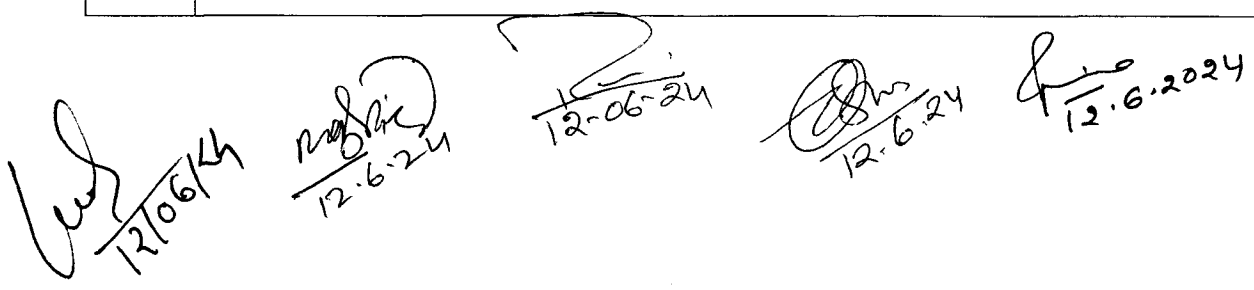
*[Handwritten signature]*  
12-06-24

*[Handwritten signature]*  
12.6.24  
12.6.2024

**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

<b>Scheme of examination for the pre-Ph.D. course work for Geography</b>		
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	


  
 [Signature] 12/06/24      [Signature] 12.6.24      [Signature] 12-06-24      [Signature] 12.6.24      [Signature] 12.6.2024