

**Syllabus for Ph.D. Course work in Geography (2022-23)**

**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.**

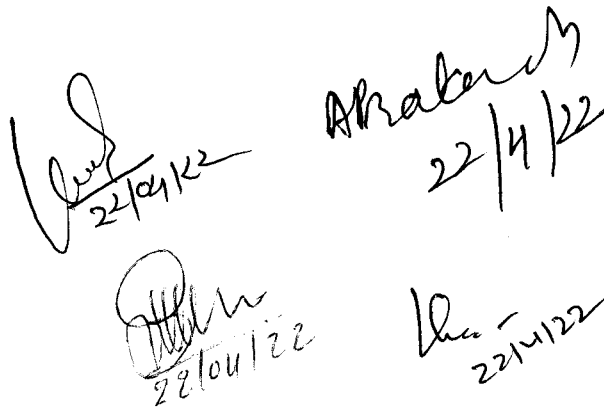
C= credit; L = Lecture

**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, 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	

<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	

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