

Syllabus for Ph.D. Course work in Geography (2015-16)

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 : An overview; explanation in Geography Defining Research Problem' Procedure of Scientific Research Formulation Hypothesis; Research design	
B	Sources of data in Geography Methods of data collection: observation, schedule, questionnaire and interview, Processing of data: Processing, editing, coding and classification and tabulation; Sampling, sampling methods and size of the sample.	
C	Analysis of data: measurement of Central Tendency, dispersion and relationship; probability Measurement in research, measurement scale, sources of error in measurement, important scaling techniques: Quantitative techniques: Correlation: Rank order Correlation, Product Movement Correlation;	
D	Running mean; describing point patterns: Mean Centre, Nearest Neighbour Analysis, Line Pattern: Detour Index and Shape index, Tests: 't' Test' 'F' Test, Chi square Test; Rank Size Rule; Lorenz Curve; Functional Classification of towns; Centrality index for central place; Crop Combination Region, Agricultural Efficiency; Gravity and Potential Models: Linear Regression.	
E	Interpretation and preparation of Research Report: Meaning and techniques of interpretation, steps, layout and type of reports;	
F	Computer application: computer fundamentals, Microsoft office (word, excel and Power Point), internet, Computer cartography, Remote sensing and GIS application.	

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

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	