

Syllabus for Integrated Ph.D Programme in Geography (2020 onwards)

Paper-I: Methodology

Time: 3 Hours

Max. Marks: 100

Unit- I

- 1.1 Research, Scientific Research-Concept & Characteristics, Approach to research
- 1.2 Identification of the Problem, Assessing the status of the Problem
- 1.3 Formulating the objectives, preparing the design, experimental or otherwise
- 1.4 Literature Review and Research Gap

Unit- II

- 2.1 Concept of hypothesis
- 2.2 Hypothesis formulation
- 2.3 Types of hypothesis and Hypothesis Testing
- 2.4 Sampling: Methods and its types

Unit- III

- 3.1 Types of Data: Primary, Secondary & Experimental data
- 3.2 Generation of primary data & its methods- Sampling
- 3.3 Designing of structured questionnaire, Validation of questionnaire, Processing & Analysis of Data.
- 3.4 Report writing- Format, Citations, Design of Chapters, Inferences, Findings and Conclusion, Bibliography & Webliography

Unit- IV

- 4.1 Philosophy and Methodology in Geography, Recent research approaches in Geography
- 4.2 Scientific explanation in geographical research and types of explanations; Scientific misconducts: Falsification, Fabrication and Plagiarism (FFP)
- 4.3 Research Ethics: Nature and Concept
- 4.4 Concept, meaning & Framework of Models

References:

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- R.B. Singh (1996) Research in Geography, Disasters and Environment, APH Publishers, New Delhi.
- Mayer P.L., Introductory Probability and Statistical Application
- Shashi Shelihar & Sanjay Chawla, Spatial Databases: A tour, Prentice Hall.
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