

Pre. Ph. D. Course in Geography

Paper I : Research Methodology

Introduction and Objectives of Research, Types of Research : Descriptive/Analytical, Applied/Functional, Qualitative/Quantitative. Conceptual/Empirical; Research Motivation, Necessity of Geographical Research and its Significance, Methods of Explanation in Geography, Systems and Models.


Research Process : Identification of Problems, Specification of Objectives, Review of Literature, Formulation of Hypotheses, Preparing, Research Design, Determining Sample Design, Organization of Contents and Limits to Research Work.

Preparing a Research Project, Sources of Data and their Collection, Analysis of Data and Formation of Tables, Mapping Techniques and its Essentials, Testing of Hypotheses, Generalization and Interpretation, Writing of the Thesis, Format for Scientific Report Writing, Reference Citing, Footnoting and Bibliography, Finalizing the thesis and its Presentation.

Paper II

Sources of Data and its Collection, Types of Data: Nominal, Ordinal, Interval and Ratio; Sampling Techniques and its Application; Significance and Methods of Interview; Tabulation and Cartographic Representation of Data, Preparation of Questionnaire; Measurement of Dispersion and Z-Score; Correlation and Coefficient of Determination; Test of Significance; Regression Analysis & Residual Mapping; Measure of Location & Disparity : Gini's Coefficient and Lorenz Curve; Location Quotient & Coefficient of Localization: Principal Component Analysis and Factor Analysis; Components of Computer Assisted Cartography; Mapping with GIS and Remote Sensing Techniques.

डॉ० ओंकार प्रसाद शिखर
प्राचार्य
एम० एल० के० कॉलेज, बलामपुर


21.11.13

APSL