

PhD SYLLABUS OF RESEARCH METHODOLOGY PAPER

**DEPARTMENT OF SOCIOLOGY,
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Methodology of Social Research

Course Content: A (TOTAL WEIGHTAGE 35)

35 Questions

I Scientific Research

Nature and Types: Pure/applied, Qualitative/Quantitative and Comparative/Longitudinal

- a) Difference between scientific method and methodology
- b) Difference between approach of natural and social scientist

II Social Science Research:

- a) Meaning and functions of Social Research
- b) Positivism & Methods of research
- c) The nature of scientific method:
 - o Concepts
 - o Measurement
 - o Reliability and Validity
- d) Steps of Social Research

III Research Design:

- a) Phases in Research Designing
- b) Design for Descriptive, Explanatory and Exploratory Research
- c) Survey and Online Research

IV Sampling:

- a) Purposes, Principles and Advantages
- b) Probability Sampling (Simple Random(Lottery, Tippet's Table),

- Stratified, Systematic, Cluster, Multistage and Multi-phase
- c) Non-probability Sampling: Reliance on available subjects, Purposive or judgemental sampling, Snowball sampling, and Quota sampling.

V Data Collection:

- a) Primary Sources: Questionnaire, Interview and Observation
- b) Primary Sources: Experiment, Case study, Content analysis

VI Data Processing and Tabulation:

- c) Data distribution: Frequency, Percentage and Cumulative.
- d) Tabulation: Univariate, Bivariate and Multivariate
- e) Relation of Review of Literature and Graph

VII Analytical Procedures:

- f) Stages: Categorization, Frequency distribution, Measurement and Interpretation.
- g) Measures of Central Tendency: Mean, Median and Mode.
- h) Measures of Dispersion: Standard Deviation

COURSE CONTENT B (TOTAL WEIGHTAGE 15) 15 Questions

A) Research Methodology and Methods

1. Conceptualizing Social Reality • Philosophy of Science • Scientific Method and Epistemology in Social Science • Hermeneutic Traditions • Objectivity and Reflexivity in Social Science • Ethics and Politics

2. Formulating Research Design • Reading Social Science Research, Data and Documents • Induction and Deduction • Fact, Concept and Theory • Hypotheses, Research Questions, Objectives

3. Quantitative and Qualitative Methods

Ethnography • Survey Method • Historical Method • Comparative Method

4. Techniques • Sampling • Questionnaire and Schedule • Statistical Analysis • Observation, Interview and Case study • Interpretation, Data Analysis and Report Writing

