

Syllabus for Ph.D. Entrance Test Part I (Research Methodology)

Research: Concept, Characteristics, Role, Types, Importance, and Constraints, Theory and theory development; Role of concepts, propositions, variables and hypotheses in theory building; Research problem : identification, objectives and hypotheses; Research Design : Definition, Classification; Exploratory, Conclusive, Causal, Descriptive, Historical etc. ; Potential Sources of Error in Research Designs; Sampling Research Process; Data : Types, Sources, Criteria, Application; Research Tools; Data Interpretation: Qualitative Versus Quantitative Research; Qualitative Research: Concept, Role, Rationale, Research Procedures, Classification; Format and styles of referencing;

Research Conduct and Ethics: Intellectual honesty and research integrity; Scientific misconducts: Falsification, Fabrication, and Plagiarism (FFP); Publication ethics: definition, introduction and importance; Best practices/standards: Conflicts of interest; Indexing and Citation databases; Impact Factor. Application of ICT in research, Latest updates in research.

Instructions for the Examiner:- Keeping in mind the general nature of the test covering all disciplines, the examiner should set questions accordingly.

Manu
7/10/24