



Syllabus for Ph.D. Entrance Test

Section 1: Basics of Research	1
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Section 1: Basics of Research: definition, objectives, role, scope in research, process of research, limitations & types Research Design: Types of research – Descriptive vs. Analytical, Applied vs. Fundamental, Quantitative vs. Qualitative, Conceptual vs. Empirical.

Section 2: Basic statistical definitions and concepts: Variables and Variation, Frequency Distributions and Cumulative Frequency Distributions, Sample and Population, Center of Data Distributions and Spread of Data Data Graphics : Histograms, Graphs. 2, Hypothesis – Definition and Type and Testing.

Section 3: Sampling, Various types of Sampling Technique, Questionnaire Designing, Data Collection.

Section 4: Research and Ethics: Definition and overview of Research, Need of Research, Research and Personal Goals, Unethical Research Practices, Ethical Practices and Principles,

Section 5: Reasoning: Number Series, Verbal Classification, Analogies, Verbal Reasoning, Statement and Assumption, Statement and Conclusion, Cause and Effect, Logical Deduction, Letter and Symbol Series, Essential Part, Making Judgments, Logical Problems, Analyzing Arguments, Course of Action, Statement and Argument.