
SYLLABUS FOR PhD ENTRANCE EXAMINATION

SECTION B: (50 marks)

RESEARCH METHODOLOGY

1. **Overview of Research:** Meaning, purpose, significance of ethical conduct in research, Classification of Research based on its purpose (Basic, Applied, Evaluation and Action Research)
2. **Elements of Research:** Concepts, Constructs, Definitions – Theoretical and Operational, Theory, Literature Review and its importance, Models, research questions and objectives, research design and methodology.
3. **Research Methodology:** Types of research methods: Survey method Experimental method (variables, designs) Historical method Content Analysis, **Hypotheses:** Meaning, Types of Hypotheses Formulation of Hypothesis.
4. **Quantitative Research Methods:** Variables, Types of data and scales, Sample, Sampling techniques, Hypothesis Testing, Level of Significance and Confidence Interval.
5. **Literature Survey / Review:** Primary Sources, Secondary Sources, Searching e-resources: Using search engines, searching databases Authenticity of e-resources. Writing Literature Review.
6. **Data Collection methods,** tools and techniques: Primary Data Collection Secondary Data Collection e.g. Questionnaire, interview schedule, focus groups etc.).
7. **Ethics in Research** - Nuremberg code, Helsinki declaration, ICMR guidelines, accepted ethical principles concerning research on human subjects, informed consent, UGC guidelines for Prevention of Plagiarism and confidentiality.
8. **Research Report:** Format of the research report, Style of writing the report, References and bibliography.