

SYLLABUS FOR Ph.D. ENTRANCE EXAM 2021-22

Paper- I (Research Methodology)

1. Basic concept of research problem

- Rationale of research
- Identification of research problem
- Research objective
- Types of research- fundamental/ applied/ action/ quantitative/ qualitative

2. Review of literatures

- Primary source
- Secondary source
- Searching e- resources, using search engines
- Searching data base
- Writing literature review

3. Methods of research

- Concept and formulation of hypothesis
- Survey method
- Experimental method (variable, designs)
- Historical methods
- Content analysis

4. Sampling of data

- Concept of sampling
- Probability sampling techniques
- Non probability sampling techniques
- Sampling error

5. Collection of data

- Primary data generation
- Secondary data collection
- Methods of data generation/ collection – by experiments, questionnaire, interview schedule, focus groups etc

6. Research ethics

- Ethics in research
- National and International regulations/ laws/ ethics related to research on Human, Animals and Environments