

Ph.D. Entrance Test (PET) Syllabus

A. Syllabus for Research methodology (50% part of the Ph.D. Entrance Test)

Unit 1: Fundamentals of Research

Aims and objectives of research, Types of research – basic, novel and applied research. Tools for searching research topic – books, journals, internet, discussions etc. Research hypothesis, Steps in research design.

Unit 2: Research Aptitude

Qualities of a researcher, Logical reasoning, Test for intelligence, Basic mathematics. Ethics in research – plagiarism.

Unit 3: Research Methods

Methods used in the specific subject/area

Unit 4: Research Tools and Techniques

Tools and techniques used to address research problems in subject related areas.

Note: The syllabus is indicative.

B. Remaining 50% questions shall be based on courses of the concerned subject up to Master's level.