

SNDT WOMEN'S UNIVERSITY, MUMBAI – 400 020.

DEPARTMENT OF LIFELONG LEARNING AND EXTENSION

Syllabus for Ph.D. Entrance Test -2025

Subject: Lifelong Learning & Extension (Humanities)

Research Methodology (50 Marks)

Note: All Questions shall be with multiple choices (MCQs), each correct answer carries
1 Mark

Module 1: Introduction to Research Methodology

- Definition, objectives, and significance of research
- Types of research: Fundamental, applied, action, quantitative, qualitative, etc.
- Research process and steps involved
- Identification and formulation of research problems
- Development of research objectives and hypotheses

Module 2: Review of Literature

- Purpose and importance of literature review
- Sources of literature: Primary and secondary
- Techniques for searching electronic resources and databases
- Critical analysis and synthesis of literature
- Writing a comprehensive literature review

Module 3: Research Design and Sampling Techniques

- Concept and types of research design: Exploratory, descriptive, experimental, etc.

- Characteristics of a good research design
- Sampling methods: Probability and non-probability sampling
- Determination of sample size
- Sampling errors and biases

Module 4: Data Collection Methods

- Sources of data: Primary and secondary
- Data collection techniques: Surveys, interviews, focus group discussions, observations, etc.
- Designing research instruments: Questionnaires, interview schedules
- Ensuring reliability and validity in data collection
- Ethical considerations in data collection

Module 5: Data Processing and Analysis

- Data preparation: Editing, coding, and data entry
- Descriptive statistics: Measures of central tendency and dispersion
- Inferential statistics: Hypothesis testing, confidence intervals, p-values
- Use of statistical software for data analysis
- Interpretation and presentation of analytical results

Module 6: Qualitative Research Methods

- Characteristics and significance of qualitative research
- Qualitative data collection methods: In-depth interviews, case studies, ethnography
- Techniques for qualitative data analysis: Thematic analysis, content analysis

- Ensuring credibility and trustworthiness in qualitative research
- Reporting qualitative research findings

Module 7: Research Ethics and Integrity

- Ethical principles in research: Honesty, objectivity, integrity, confidentiality
- Understanding plagiarism and how to avoid it
- Intellectual property rights and copyright laws
- Role of Institutional Review Boards (IRBs) and ethical committees
- Ethical issues in publishing and authorship

Module 8: Thesis and Report Writing

- Structure and components of a research thesis/dissertation
- Academic writing styles and formatting
- Referencing styles: APA, MLA, Chicago, etc.
- Preparing abstracts, summaries, and research proposals
- Effective presentation of research findings

Module 9: Statistical Techniques for Research

- Correlation and regression analysis
- Analysis of variance (ANOVA)
- Non-parametric tests: Chi-square, Mann-Whitney U test
- Multivariate analysis techniques
- Application of statistical tools in research

Module 10: Application of Research in Lifelong Learning and Extension

- Role of research in policy formulation and educational planning
 - Action research in lifelong learning and extension programs
 - Evaluating the effectiveness of educational interventions
 - Case studies on successful research applications in the field
 - Future trends and challenges in research within lifelong learning and extension
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Examination Pattern:

- Total Marks: 50
- Number of Questions: 50 (MCQs)
- Marking Scheme: 1 Mark per Correct Answer, No Negative Marking
- Duration: 1 Hour

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