

Ph.D. Entrance Test - SYLLABUS

Home Science

Part -1

Research Methodology (50 %)

Unit I: Research- Meaning, purpose and approaches

- Exploration, Description, Explanation
- Scientific method and research
- Research Designs –Experimental and Observational
- Quantitative and Qualitative approaches
- Units of analysis

Unit II: Sampling & Tools

- Role of sampling in research
- Types of sampling
- Research Tools and Techniques
- Interviewing and observational methods

Unit III: The Research Process

- Defining the problem, research questions, objectives, hypotheses
- Review of related literature and originality in writing
- Planning the research
- Subjects context and ethics
- Citation formats: in medical sciences, social sciences

Unit IV: Types of Research Tools (Qualitative and Quantitative)

- Focus Group Discussion
- Case studies
- Observations-Direct, Spot observations
- Body mapping
- Free listing
- Narrations
- In depth interview

Unit V: Ethics and Politics of Research

- Identify, define, and analyze ethical issues in the context of human subject research.
- Reasons for conducting ethical review of research, theories and concepts related to ethical decision-making including consequentialism, deontology, respect, dignity, discourse ethics, communitarianism, liberalism and the four principles approach.
- Ethical importance of consent, privacy and confidentiality in research
- Issues of academic fraud and plagiarism, conflicts of interest, authorship and publication

Part-2
Core Subjective Paper – Home Science (50 %)

UNIT-I: FOOD SCIENCE AND FOOD SERVICE MANAGEMENT

UNIT-II: NUTRITION AND DIETETICS

Unit-III: TEXTILES

UNIT-IV: APPAREL DESIGNING

UNIT-V: RESOURCE MANAGEMENT AND CONSUMER ISSUES

UNIT-VI: HOUSING AND INTERIOR DESIGN

UNIT-VII: CHILD/HUMAN DEVELOPMENT

UNIT-VIII: FAMILY STUDIES

UNIT-IX: COMMUNICATION FOR DEVELOPMENT

UNIT-X: EXTENSION MANAGEMENT AND COMMUNITY DEVELOPMENT

