

Reg. No. : .....

Name : .....

**Ph.D. ENTRANCE EXAMINATION, NOVEMBER 2022**

**FACULTY OF SCIENCE**

**HOME SCIENCE**

Time : 3 Hours

Max. Marks : 100

**Instructions :**

- 1) Answer **any ten** questions each from Section **A** and **B**.
- 2) Each question carries **5** marks.
- 3) No additional Answer sheets will be provided.
- 4) Candidates should clearly indicate the section, Question number in the answer booklet.

**Section – A**

**Research Methodology**

Answer any **ten** questions. All questions carry equal marks.

1. Describe the characteristics of a good sample. Discuss the advantages and limitations of sampling.
2. Elaborate on different methods of data collection.
3. “Internet as a Knowledge Repository” Justify.
4. What is sampling? Discuss the different methods of sampling used in research.
5. Explain the process of identification and selection of the research problem.
6. Discuss the functions and steps in conducting a literature review.

7. Explain different types of Research.
8. Define observational study. Discuss the features, advantages, and disadvantages.
9. Explain the nature and role of the hypothesis and also their sources.
10. Elaborate on different forms of scientific writing.
11. Explain the use of any four statistical tests commonly used in data analysis
12. Explain Null and alternative hypotheses and their importance in research.
13. Enumerate and describe the steps in constructing an interview schedule.
14. Discuss Cohort studies and their relevance.
15. Explain any four research tools used in research.

**(10 × 5 = 50 Marks)**

### **Section – B**

#### **Home Science**

Answer any **ten** questions. All questions carry equal marks.

1. Elaborate on fashion marketing concepts. Discuss the 4 Ps in marketing.
2. Explain the community development programs relevant to women.
3. Explain different types of Food adulterants and methods to detect adulteration.
4. Explain the role of digitalization of information and communication technology in various sectors.
5. Write an essay on “Eco-friendly fibers”.
6. Justify “School as an agency of social change”.

7. Explain the barriers to communication.
8. Explain the Eating disorders in Adolescence.
9. Elaborate on different methods of fabric construction.
10. Discuss work simplification. Discuss the importance and application of ergonomic principles in kitchen design.
11. What is a Village Panchayat? Explain the functioning of various tiers of Panchayati Raj.
12. Explain the dietary management in Anaemia.
13. Elaborate on the Mental health issues of youth and support programs.
14. Discuss stages of sugar cookery.
15. Elaborate on the importance and the different processes/techniques of finishing.

**(10 × 5 = 50 Marks)**

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