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RHC-001

**Ph. D. IN HOME SCIENCE
(PHDHC)**

Term-End Examination

December, 2023

RHC-001 : RESEARCH METHODOLOGY

Time : 3 Hours

Maximum Marks : 100

Note : (i) *Answer any **five** questions.*

(ii) *All questions carry equal marks.*

1. Explain *four* types of research design. 20
2. Explain Rapid Rural Appraisal and the methods, techniques and tools in its application. 20
3. Describe the role of theory in research. What are the approaches in theory construction in extension science ? 20
4. Discuss the different types of validity. 20
5. What is hypothesis testing ? Discuss about Type I error. 20

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6. Write about sources of data collection and justify their importance. 20
7. Design a research proposal for a study in the area of technology for women. 20
8. Write short notes on any *four* of the following :
4×5=20
 - (a) Data analysis methods
 - (b) Mean and Standard Deviation
 - (c) Participatory Rural Appraisal
 - (d) Correlation coefficient
 - (e) Abstract or Executive Summary
 - (f) Sampling for qualitative studies
 - (g) Review of Literature