

Roll No. : .....

Total No. of Questions : 11 ]

[ Total No. of Printed Pages : 3

# **BPP-1104**

## **M.Sc. (Previous) Home Science (Food and Nutrition) Examination, 2022**

### **RESEARCH METHODOLOGY, STATISTICS AND COMPUTER APPLICATION**

Paper - I

*Time : 3 Hours ]*

*[ Maximum Marks : 75*

#### **Section-A**

**(Marks : 2 × 10 = 20)**

*Note :-* Answer all *ten* questions (Answer limit **50** words). Each question carries **2** marks.

#### **Section-B**

**(Marks : 5 × 5 = 25)**

*Note :-* Answer all *five* questions. Each question has internal choice (Answer limit **200** words). Each question carries **5** marks.

#### **Section-C**

**(Marks : 10 × 3 = 30)**

*Note :-* Answer any *three* questions out of five (Answer limit **500** words). Each question carries **10** marks.

#### **Section-A**

2 each

1. Define the following terms :

- (i) Research
- (ii) Hypothesis

**BR-234**

( 1 )

**BPP-1104** P.T.O.

- (iii) Case study
- (iv) Data
- (v) Bibliography
- (vi) Coding
- (vii) Statistics
- (viii) Mean
- (ix) Correlation
- (x) Regression

**Section-B**

5 each

2. Differentiate between population and sample.

*Or*

Differentiate between two-stage and multi-stage sampling.

3. What is Quantitative Research ? Explain.

*Or*

Differentiate between survey and experimental research.

4. What points need to be considered in selection of problem area ?

*Or*

What are the essential points in writing an abstract ?

5. What is Frequency Distribution ? Explain.

*Or*

Discuss role of Statistics in Research.

6. What is Factorial Design ? Explain.

*Or*

Write a short note on analysis of variance.

**Section-C**

10 each

7. What are Variables ? Explain types of variables.
8. How are descriptive studies useful in research ? Explain.
9. Give general guidelines for data presentation. What are the characteristics of a good table ?
10. Discuss in detail ways of measurement of Central Tendency.
11. Write about use of computers in data processing, analysis and presentation.