

**M. SC. IN FOOD SAFETY AND
QUALITY MANAGEMENT
(MSCFSQM)**

Term-End Examination

June, 2025

MVP-009 : RESEARCH METHODOLOGY

Time : 3 Hours

Maximum Marks : 100

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

(ii) All questions carry equal marks.

1. Write notes on the following (any *four*) :

4×5=20

- (i) Frequency distribution
- (ii) Variables
- (iii) Hypothesis
- (iv) Latin Square Design
- (v) Central tendency

2. (i) Explain the criteria of a research problem. 10
(ii) Describe the sources of review of literature. 10
3. (i) Discuss the types of descriptive research design. 15
(ii) Explain the role of variables in experimental research design. 5
4. Explain secondary data sources and their disadvantages. Discuss the instruments used for collecting primary data. 10+10
5. (i) Classify the sampling techniques used in research and explain the non-probability based sampling techniques. 10
(ii) Describe the measures of dispersion used in a research study. 10
6. Enlist the qualitative techniques generally used in research. Discuss any *two* such techniques in detail. 20

[3]

7. (i) Enlist the most commonly used non-parametric tests and explain any *two* tests. 10
- (ii) Briefly discuss the main components of a research report. 10

× × × × ×