

No. of Printed Pages : 3

MVP-009

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

Term-End Examination

December, 2024

MVP-009 : RESEARCH METHODOLOGY

Time : 3 Hours

Maximum Marks : 100

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

(ii) All questions carry equal marks.

1. Write notes on the following (any *four*) : $4 \times 5 = 20$

(i) Dependent and independent variables

(ii) *t*-test

(iii) Measures of central tendency

(iv) Survey research

(v) Research objectives

2. Write the characteristics of research design.
Explain the features of experimental research design. 10+10
3. (i) Give the sources and classification of review of literature for a research project. 10
- (ii) Classify the sampling techniques used in a research and explain the probability based sampling technique in brief. 10
4. (i) Discuss the various measurement scales used for doing a research. 10
- (ii) Enlist the descriptive research designs and explain any *two* of them. 10
5. Enlist the qualitative techniques used in research. Discuss any *two* such methods along with their advantages and limitations. 20
6. (i) How are the categorical data of a research tabulated and presented ? 10

[3]

- (ii) What do you understand by factor analysis and principal component analysis ? 10
- 7. (i) Explain the copyright issues related to research report writing. 10
- (ii) Give the characteristics of good items for item analysis and explain the purpose of item analysis. 10

x x x x x x x