

TILAK MAHARASHTRAVIDYAPEETH, PUNE
M.SC. IN NUTRITION & FOOD SCIENCE
EXAMINATION : NOVEMBER/DECEMBER - 2025
FIRST SEMESTER

Sub. : Research Methodology (MSC24N-115TH)

Date: 29/11/2025

Total marks: 60

Time: 10.00 am to 12.30 pm

Instructions:

- 1) All questions are compulsory and carry equal marks.
- 2) Any kind of misconduct is punishable.

Q. 1 Fill in the right answer **(10)**

1. --- is an example of continuous data
 - a) no of children
 - b) No Of Patients
 - c) No of Nurses in hospital
 - d) Height of patients
2. ----- type of research answers How and Why the things are happening
 - a) Applied research
 - b) Clinical research
 - c) Basic research
 - d) Interventional research
3. Quantitative Research is
 - a) Numerical
 - b) Non-Numerical
 - c) A and B
 - d) None of Above
4. Information regarding previous work done is called
 - a) Review
 - b) Preview
 - c) Aims
 - d) Objective
5. Any statistical analysis suggests---type of Hypothesis
 - a) Null
 - b) Alternative
 - c) None
 - d) Both
6. Data presentation can be done in either in -----format or in pictorial format
 - a) Drawing
 - b) Tabular
 - c) sketch
 - d) Picture
7. There are ---types of bar diagram
 - a) single bar
 - b) Multiple Bar
 - c) All
 - d) None
8. Finite and Infinite are the types of
 - a) Hypothesis
 - b) Population
 - c) Review of Literature
 - d) None
9. The -----is a group of subjects which represents the population.
 - a) Variable
 - b) Sample
 - c) Hypothesis
 - d) synopsis

10. Height is an example of -----data

- a) Descret
- b) continous
- c) qalitative
- d) Secondary

Q. 2 Answer the following questions. (30)

1. Explain the term 'Research' in ayurvedic and modern science and describe types of research in detail.
2. Write about the importance of statistics in research and explain the term data and various presentation types.
3. Design a protocol for following
'Comparative study of fenugreek seeds and Jamun Seed it in reducing blood sugar levels'

Q. 3 Write Short Note (Any 4) (20)

1. Basic and Applied research-differences and similarities if any
 2. Sampling techniques
 3. Population
 4. Histogram
 5. Data-defination and types
 6. Review of literature
-