

# TILAK MAHARASHTRAVIDYAPEETH, PUNE

## M.A. YOGA

EXAMINATION : NOVEMBER/ DECEMBER -2025

### FIRST SEMESTER

Sub. : Research Methodology (MA24N -105TH)

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Date: 28/11/2025

Total marks: 60

Time: 10.00 am to 12.30 pm

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**Instructions:**

- 1) All questions are compulsory.
- 2) Figures to the right indicate full marks.

**Q. 1. Multiple choice questions. (10)**

1. 'Ho' indicates \_\_\_\_\_
  - a) Alternative hypothesis
  - b) Null hypothesis
  - c) Both a and b
  - d) None of the above
2. The data which is collected by investigator for first time is known as \_\_\_\_\_
  - a) Primary data
  - b) Secondary data
  - c) Discrete data
  - d) Continuous data
3. \_\_\_\_\_ research is also called as Pure research
  - a) Basic research
  - b) Fundamental research
  - c) Both a and b
  - d) None of the above
4. Non probability sampling are \_\_\_\_\_
  - a) Convenience sampling
  - b) Consecutive sampling
  - c) Clustered sampling
  - d) Both a and b
5. Quantitative data is \_\_\_\_\_
  - a) Numerical
  - b) Non-numerical
  - c) Both a and b
  - d) None of the above
6. Two dimensional diagram are \_\_\_\_\_
  - a) Rectangles
  - b) Squares
  - c) Pie-diagram
  - d) All the above
7. Data can be presented by \_\_\_\_\_
  - a) Bar diagram
  - b) Pie diagram
  - c) Tabular form
  - d) All the above
8. \_\_\_\_\_ is that number which occurs most often in the data set.
  - a) Mean
  - b) Median
  - c) Mode
  - d) None of the above
9. The data which is presented in groups are named as \_\_\_\_\_
  - a) Grouped data
  - b) Ungrouped data
  - c) Both a and b
  - d) All the above

10. \_\_\_\_\_ was the prime scientist to use the term 'evidence based'.

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|-------------------|-------------------|
| a) William.J.Cook | b) Robert.J.T.Joy |
| c) David M.Eddy   | d) Otis Brawley   |

**Q. 2. Write the answers in short (Any Four) (20)**

- 1) Sample and sampling methods.
- 2) What are the ethics involved in research?
- 3) Qualitative Research and Quantitative Research.
- 4) What are the techniques involved in writing a research paper?
- 5) Measures of central tendency.
- 6) Write about major portals that provide access to research data.

**Q. 3. Write the answers in brief (any two) (30)**

- 1) Define research and explain the Research Process in detail.
- 2) Define statistics and explain the presentation of data.
- 3) Design a research protocol to study the effects of yoga therapy on patients with obesity.

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