

TILAK MAHARASHTRAVIDYAPEETH, PUNE

M.A. YOGA

EXAMINATION : APRIL/MAY - 2025

THIRD SEMESTER

Sub. : Research Methodology and Biostatistics (303)

Date: 07/05/2025

Total marks: 60

Time: 2.00 pm to 4.30 pm

Instructions:

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

Q. 1. Multiple choice questions.

(10)

- Research in Sanskrit is _____.
a) Anveshana
b) Anusandhana
c) Paryeshana
d) All the above
- Null hypothesis is expressed as _____.
a) H_0
b) H_a
c) H_n
d) None of the above.
- Discrete and Continuous are types of _____.
a) Research
b) Sampling method
c) Data
d) None of the above
- _____ Research help in exploring new ideas.
a) Applied
b) Exploratory
c) Descriptive
d) Diagnostic
- Measures of central tendency is _____.
a) Sum
b) Mean
c) Pie-diagram
d) None of the above
- Probability sampling are _____.
a) Simple Random sampling
b) Systematic sampling
c) Clustered sampling
d) Both a and b
- Data can be presented by _____.
a) One dimensional diagram
b) Histogram
c) Pictogram
d) All the above
- _____ was the prime scientist to use the term 'evidence based research'.
a) William.J.Cook
b) Robert.J.T.Joy
c) David M.Eddy
d) Otis Brawley
- Qualitative data is _____.
a) Numerical
b) Non-numerical
c) Both a and b
d) None of the above

10. The data which is presented individually (without groups) named as _____
- a) Grouped data
 - b) Ungrouped data
 - c) Both a and b
 - d) None of the above

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

- 1) Write about major portals that provide access to research data.
- 2) What are the measures of central tendency?
- 3) Hypothesis.
- 4) Importance of Review of literature.
- 5) Explain the key techniques for effective research paper writing.
- 6) Define sample and explain various sampling techniques.

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

- 1) Definition of research. Write about research in Sanskrit and types of research in detail.
 - 2) What is data? Explain the different types of data.
 - 3) Design a research protocol to study the effects of yoga therapy on diabetes patients.
- _____