

QP Code:122325

Reg. No.:.....

MD (Hom.) Part I Degree Supplementary Examinations October 2025

Paper II - Research Methodology and Biostatistics

(2016 Scheme)

(Common to all specialties)

Time: 3 Hrs

Max. Marks: 100

- *Answer all questions to the point neatly and legibly* • *Do not leave any blank pages between answers* • *Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together* • *Leave sufficient space between answers*
- *Draw table/diagrams/flow charts wherever necessary*

Essay:

(20)

1. Tabulate non probability and probability sampling . Explain the disadvantages of non-probability sampling in medical research.

Short Essays

(8x10=80)

2. Define hypothesis, Justify the steps involved in testing hypothesis.
3. Discuss analysis of variance. Describe briefly the techniques of analysis of variance for one -way (single factor).
4. Discuss informed consent of participants in any medical research. List the components to be included in informed consent.
5. Discuss the various methods of presenting data collected by the investigation.
6. Discuss the application of Mann -whitney U test in homoeopathic research.
7. Sate the layout of a research report with suitable example.
8. Explain range and quartiles with suitable examples.
9. a) List the steps in dissertation writing.
b) Advantages of pilot study.
