

**MD (Hom.) Part I Degree Regular/Supplementary Examinations  
May 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. Define research methodology. Describe in detail about various steps involved in the process. What are the characters of a good research design.

**Short Essays** **(8x10=80)**

2. What is blinding. Discuss about the various types of blinding and their relevance.
3. Discuss research hypothesis, its types and testing methods.
4. Enumerate the principles of informed patient consent and its importance in clinical research.
5. What is Bibliography. Explain in detail about the various styles of citations.
6. Explain about the different types of research designs. Substantiate their relevance and application in Homoeopathy.
7. Write in detail about the concept of correlation with suitable examples.
8. Define and differentiate the skewness and kurtosis. What are their types and importance.
9. Calculate the standard deviation and variance of the given data of questionnaire scores obtained from 7 patients: 8, 5, 4, 12, 15, 5, 7.

\*\*\*\*\*