

**QP Code:122325**

**Reg. No.:.....**

**MD (Hom.) Part I Degree Supplementary Examinations January 2022**

**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. What do you mean by retrospective and prospective clinical research studies. Discuss the merits & demerits of each study.

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

2. Explain the different sources and presentation of data.
3. What is sample size and describe the factors to determine sample size.
4. Keeping in view the fundamental principles of homoeopathy intact, homoeopathic method of research should be developed without following the Allopathic method. Why and how.
5. Explain 't' test. What is the role of this test in homoeopathic drug trials.
6. Discuss the utility of computer software in scientific research and practice of homoeopathy.
7. Describe which research methodology is adopted for drug proving in homoeopathy.
8. Discuss various statistical tools used to interpret the outcomes of a clinical research.
9. Describe the ethical issues in biomedical research.

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