

**Q.P. Code: 114325**

**Reg. no.: .....**

**MD (Hom.) Part I Degree Examination, April 2016**

(Common for all Specialties)

***Paper IV- Research Methodology, Bio-Statistics and History of Medicine***

**Time: 3 Hours**

**Total Marks: 100**

- Answer all questions
- Draw diagrams wherever necessary

**Essays**

**(4x20=80)**

1. Discuss the contributions of Hippocrates, Paracelsus and Samuel Hahnemann in the field of medicine. (20)
2. Define mean, median and mode. Explain its uses in the field of biostatistics with suitable examples. (20)
3. Describe the term "logic". Explain the use of induction and deduction in the study and practice of homoeopathy with a brief note on Aristotle's concept. (20)
4. Discuss various statistical tools used to interpret the outcomes of a clinical research. Highlight the merits and demerits of each method. (20)

**Short notes:**

**(4x5=20)**

5. Chi square test
6. Students' 't' test
7. Correlation Co-efficient
8. Sampling techniques

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