

MODEL QUESTION PAPER

III SEMESTER M. PHARM DEGREE EXAMINATION

(Common for all branches)

RESEARCH METHODOLOGY & BIostatISTICS (MRM 301T)

Time: 3 hrs

Max marks: 75

Answer all questions

ESSAYS (3x10=30)

1. What is Chi-square test? Discuss the different types of Chi-square tests with suitable examples
2. Discuss various ethical issues in research and explain the elements of informed consent
3. What is the relevance of sampling & sample size in epidemiology studies? Explain the different sampling techniques to avoid bias and the factors influencing sample size.

SHORT NOTES (9x5=45)

4. Write briefly on plagiarism and paraphrasing
5. Short note on different study designs in research
6. With suitable examples explain Type I & Type II errors in hypothesis testing.
7. Discuss the different euthanasia techniques adopted for Small laboratory animals.
8. Explain mechanics of writing a research report
9. Write briefly on autonomy in Medical Research
10. Discuss the different types of t tests and their applications.
11. Discuss the constitution and working of IAEC
12. What are the guidelines for making a good oral presentation