

2019 Scheme

QP CODE: 321332

Reg. No:.....

**Third Semester M. Pharm Degree Regular/Supplementary Examinations
December 2022**

Paper I: Research Methodology & Biostatistics (MRM 301T)

(Common for all branches)

Time: 3 Hours

Total Marks: 75

- *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*

Essays

(3x10=30)

1. Explain CPCSEA guidelines for laboratory animal facility.
2. Explain any two non - parametric statistical tests.
3. Explain the importance of communication and confidentiality in medical research.

Short Notes

(9x5=45)

4. Explain the importance of sample size in research.
5. Student t test and its types.
6. Explain the tools for writing a good research report.
7. Explain the importance of P value and explain the interpretation of P value.
8. What are the sources of information for literature review.
9. Explain copyright.
10. Compare quantitative and qualitative research.
11. What are the different softwares available for statistical analysis.
12. Explain the use of databases for the review of literature.
