

2019 Scheme

QP CODE: 321332

Reg. No:.....

**Third Semester M. Pharm Degree Supplementary Examinations
September 2021**

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 student's t-test and ANOVA
2. Explain research report writing.
3. Explain on anaesthesia and euthanasia in laboratory animals.

Short Notes

(9x5=45)

4. Define beneficence and non - maleficence.
5. Differentiate between parametric and non - parametric statistical tests.
6. Explain the constitution and working of IAEC.
7. P-value and how is it interpreted.
8. Elaborate the history of medical research.
9. Explain the objectives of research.
10. Explain ethics committee.
11. Explain plagiarism and ways to minimize it.
12. Mention the different types of reference citations with examples.
