

Q.P. Code: 404326

Reg. no.:

**Fourth Year Pharm D Degree Supplementary Examinations
January 2023**

Biostatistics & Research Methodology

Time: 3 Hours

Total Marks: 70

- *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:

(3x10=30)

1. Briefly explain the different types of clinical study designs.
2. Explain the applications of computers in drug information storage and retrieval.
3. Describe the construction and labelling of different types of graphs.

Short notes:

(8x5=40)

4. Measures of central tendency.
5. Power of a study.
6. Interventional studies.
7. Sample size calculation for comparative experiments.
8. Types of data distribution.
9. Estimation of confidence intervals.
10. Incidence and prevalence.
11. Analysis of variance.
