

Q.P. Code: 404326

Reg. no.:

**Fourth Year Pharm D Degree Regular/Supplementary Examinations
November 2025**

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. Illustrate sample size determination, for simple comparative experiments.
2. Explain the significance of two-way ANOVA Test.
3. State on the importance of computers in prescription dispensing process.

Short notes:

(8x5=40)

4. How will you collect secondary data.
5. Add a note on Interventional studies.
6. List out sampling errors.
7. Correlation coefficient.
8. Apply the significance of central tendency.
9. List out statistical software role in Pharmacy.
10. How will you maintain general ledger system.
11. Classify the significance of drug information centre.

CORRECTION / NO-CORRECTION FILE
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Dated: 24-11-2025

QUESTION NO. 6

REPLACED WITH “EXPLAIN OBSERVATIONAL STUDY DESIGNS.”

QUESTION NO. 9

MODIFIED AS “LIST OUT THE ROLE OF STATISTICAL SOFTWARE IN PHARMACY.”

QUESTION NO. 11

REPLACED WITH “EXPLAIN THE USE & ADVANTAGES OF COMPUTERISED LITERATURE RETRIEVAL IN DRUG INFORMATION.”

Corrections/Modifications/Replacement of Questions if any shall be made available to all students. Take the print out of the Correction File in such cases and distribute to all students.

(Sd/-)

CONTROLLER OF EXAMINATIONS