

Q.P. Code: 105340

Reg. no.:

**First Pharm D Post Baccalaureate Degree Regular/Supplementary
Examinations June 2023**

Paper V – 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. Explain about sample size determination.
2. What is the level of significance. Explain one-way ANOVA Test.
3. Explain the role of computers in community pharmacy.

Short notes:

(8x5=40)

4. Discuss about non probability sampling methods.
5. Discuss about the presentation of data.
6. Write a note on scattered plots.
7. Explain on Wilcoxon signed rank and Mann Whitney 'U' test.
8. What are Pearson's and Spearman's correlations. Give its application.
9. Write out the computer system in Hospital pharmacy.
10. Describe statistical methods in epidemiology.
11. Describe use of computers in drug information services.
