

Q.P. Code: 105340

Reg. no.:

**First Pharm D Post Baccalaureate Degree Supplementary
Examinations, January 2018**

Paper V – Biostatistics & Research Methodology

Time: 3 Hours

Total Marks: 70

- Answer all questions
- Draw diagrams wherever necessary

Essay:

(3x10=30)

1. Explain the use of computers in drug information retrieval and storage.
2. Various steps involved in testing the significance of single mean and difference between two means (independent samples) in small samples using 't' distribution.
3. Explain statistical methods in epidemiology.

Short notes:

(8x5=40)

4. Designing the methodology
5. Define histogram, pie charts, and scatter plots.
6. The patient record database management.
7. Kruskal-Wallis test.
8. Differentiate between correlation and regression analysis
9. Define range and variation of mean.
10. One-way analysis of variance.
11. Interpretation of correlation co-efficient.
