

Q.P. Code: 105340

Reg. no.:

**First Pharm D Post Baccalaureate Degree Supplementary
Examinations December 2019**

Paper V – Biostatistics & Research Methodology

Time: 3 Hours

Total Marks: 70

- Answer all questions
- Draw diagrams wherever necessary

Essay:

(3x10=30)

1. How reports are prepared in clinical trial. Explain the contents of the report.
2. How non-parametric data are analyzed. Explain any one statistical method to analyze non-parametric data.
3. Design an experimental protocol to conduct interventional clinical study.

Short notes:

(8x5=40)

4. Linear regression methods and its significance.
5. Explain analysis of variance.
6. Explain power of a study.
7. Application of computers in inventory control
8. Explain semi logarithmic plots and scatter plot with examples
9. Explain in detail about central tendency
10. Computer medication order entry.
11. Explain in detail of various study designs used in epidemiology.
