

Q.P. Code: 105340

Reg. no.:

First Pharm D Post Baccalaureate Degree Examinations, June 2016

Paper V – Biostatistics & Research Methodology

Time: 3 Hours

Total Marks: 70

- Answer all questions
- Draw diagrams wherever necessary

Essay:

(3x10=30)

1. Briefly discuss the methodology of different observational studies.
2. Explain the role of computers in patient database management and inventory control.
3. Classify the types of ANOVA with examples and explain the methodology of one-way ANOVA.

Short notes:

(8x5=40)

4. Histogram and pie chart.
5. Steps involved in calculation of Wilcoxon's signed rank test.
6. Statistical software SAS and Epi Info.
7. Power of test and level of significance.
8. Explain cohort study with example.
9. What is correlation. Explain the methodology of Spearman's correlation
10. Explain incidence and prevalence with the help of example.
11. Classify different types of data with examples.
