

Q.P. Code: 404326

Reg. no.:

Fourth Year Pharm D Degree Supplementary Examinations January 2017

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 describe the methodology of One-way ANOVA.

Short notes:

(8x5=40)

4. Histogram and pie chart.
5. Write the 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 and describe the methodology of Spearman's correlation
10. Explain incidence and prevalence with the help of example.
11. Classify different types of data with examples.
