

Q.P. Code: 404326

Reg. no.:

Fourth Year Pharm D Degree Examinations July 2018

Biostatistics & Research Methodology

Time: 3 Hours

Total Marks: 70

- Answer all questions
- Draw diagrams wherever necessary

Essay:

(3x10=30)

1. Explain various inventory control methods in pharmacy
2. What is meant by homogenous data. Name the statistical methods used to analyze homogenous data. Explain the ANOVA method of statistical analysis.
3. Briefly discuss on : confidential limit calculation in statistics, application of computers in drug information centre

Short notes:

(8x5=40)

4. What is Pearson's and spearman's correlations. Give its applications.
5. What is Chi square test. How it is performed.
6. Explain power calculation to determine the sample size
7. Type I and type II errors
8. Drug labels and list in pharmacy.
9. Advantages of computerized medication order entry.
10. Incidence and prevalence.
11. Statistical softwares
