

Q.P. Code: 404326

Reg. no.:

**Fourth Year Pharm D Degree Supplementary Examinations
December 2019**

Biostatistics & Research Methodology

Time: 3 Hours

Total Marks: 70

- Answer all questions
- Draw diagrams wherever necessary

Essay:

(3x10=30)

1. Discuss the design and methodology of cohort study.
2. Explain the different components of a research report.
3. Discuss the role of computers in hospital pharmacy.

Short notes:

(8x5=40)

4. Different types of data distribution.
5. Explain the different measures of central tendency.
6. Compare the features of parametric and non-parametric tests.
7. The applications and steps involved in calculation of Chi square test.
8. The applications and steps involved in the calculation of PEARSON'S correlation.
9. Enlist the advantages and disadvantages of case-control studies.
10. SPSS and Epi Info software.
11. Confidence interval and p value.
