

Q.P. Code: 404326

Reg. no.:

**Fourth Year Pharm D Degree Supplementary Examinations
December 2018**

Biostatistics & Research Methodology

Time: 3 Hours

Total Marks: 70

- Answer all questions
- Draw diagrams wherever necessary

Essay:

(3x10=30)

1. Explain null hypothesis, level of significance, power of test, P value.
2. Briefly discuss about research report and about sections used in research study.
3. What is hypothesis. How to test it. State its significance. How are they calculated

Short notes:

(8x5=40)

4. Write the use of statistical software in drug research.
5. Explain power calculation to determine the sample size.
6. Confidential limit calculation in statistics.
7. Explain Chi Square test and one way ANOVA test
8. Write the uses of computer for pharmaceutical care in community pharmacy.
9. Mann Whitney U test.
10. Explain patient medication profiles and inventory control.
11. Define scatterplots and semi-logarithmic plots with suitable example
