Q.P. Code: 105340   Reg. no.: …………………

First Pharm D Post Baccalaureate Degree Examinations, July 2018

Paper V – Biostatistics & Research Methodology

Time: 3 Hours   **Total Marks: 70**

- Answer all questions
- Draw diagrams wherever necessary

Essay: **(3x10=30)**

1. Describe the needs and classification of research study

2. What is hypothesis. How is can be tested. Explain with suitable example.

3. How standard deviation and standard error mean is calculated. Explain its significance.

Short notes: **(8x5=40)**

4. How will you determine sample size for simple comparative experiment

5. What is student 't' test. How it has been calculated.

6. Discuss Mann Whitney U test

7. Confidence interval

8. Discuss commercially available statistical software

9. How computers are applied in recording patient medical profile

10. Describe the applications of computers in community pharmacy

11. Discuss computerized retrieval

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