Q.P. Code: 105340   Reg. no.: …………………

First Pharm D Post Baccalaureate Degree Regular/Supplementary Examinations January 2021

Paper V – Biostatistics & Research Methodology

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

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers •   Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together • Leave sufficient space between answers*
- *Draw table/diagrams/flow charts wherever necessary*

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

1. Explain the uses of computers in drug information retrieval and storage.
2. Elaborate on various steps involved in testing the significance of single mean and difference between two means (independent samples) in small samples using 't' distribution.
3. Explain types of clinical study design

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

4. Define mean and median
5. Explain linear regression.
6. Define histogram, pie charts, and scatter plots.
7. Discuss about the relative and attributable risks
8. Write about the application of statistical software in drug research.
9. Describe about contents of a research report
10. Outline about the power of a study.
11. Write about applications of computer in patient record database management.

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