

[LM 822]

MAY 2018

Sub. Code: 3822

**PHARM. 'D' AND PHARM. 'D' (POST BACCALAUREATE)
DEGREE EXAMINATION
(2009-2010 Regulation)
FOURTH YEAR
PAPER IV – BIOSTATISTICS AND RESEARCH METHODOLOGY**

*Q.P. Code: 383822***Time : Three hours****Maximum : 70 Marks****I. Elaborate on:****(4 x 10 = 40)**

1. State on computer medication order entry.
2. Explain in detail about various study designs used in epidemiology.
3. How will you test the Null and Alternate hypothesis? Explain with suitable example.
4. Detail on Type I and Type II errors.

II. Write notes on:**(6 x 5 = 30)**

1. Discuss about the presentation of data.
2. Write out the patient record database management.
3. Briefly write on drug information center.
4. Give details on power of a study.
5. Explain on Wilcoxon signed rank and Mann Whitney 'U' test.
6. Short note on relative and attributed risk.
