

[LE 822]

APRIL 2014

Sub. Code: 3822

**PHARM. D / POST BACCALAUREATE DEGREE EXAMS  
FOURTH YEAR  
PAPER IV – BIOSTATISTICS AND RESEARCH METHODOLOGY**

*Q.P. Code : 383822*

**Time : 3 hours**

**Maximum : 70 marks**

**I. Elaborate on :**

**(2x20=40)**

1. Explain the steps involved in hypothesis testing with an example.
2. The uses of computers in Community Pharmacy.

**II. Write notes on :**

**(10x3=30)**

1. Report writing
2. Ogive curve
3. Case study
4. Power of the test
5. Uses of standard deviation
6. Non – parametric test
7. Relative and attributable risk
8. Interpretation of correlation co-efficient
9. Hypothesis – Null and Alternate hypothesis
10. Uses of Chi- Square (  $\chi^2$  ) test.

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