

[LE 822]

APRIL 2014

Sub. Code: 3822

**DOCTOR OF PHARMACY (PHARM. D / POST BACCALAUREATE)****DEGREE EXAMINATION****FOURTH YEAR****PAPER IV – BIOSTATISTICS AND RESEARCH METHODOLOGY***Q.P. Code: 383822***Time: Three Hours****Maximum: 70 marks****Answer All questions****I. Elaborate on:****(2 x 20 = 40)**

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

**II. Write notes on:****(10 x 3 = 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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