

[LG 822]

APRIL 2015

Sub. Code: 3822

**DOCTOR OF PHARMACY (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****Answer All questions****I. Elaborate on:****(4 x 10 = 40)**

1. How reports are prepared in clinical trial?  
Explain the contents of the report.
2. How non-parametric data are analysed?  
Explain any one statistical method to analyze non-parametric data.
3. Design an experimental protocol to conduct interventional clinical study.
4. Explain the steps involved in storage and retrieval of information from the computers.

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

1. How data distribution in clinical study is analyzed?
2. How data are represented by Pie chart and histogram?
3. What is Chi square test? How it has been done?
4. Briefly write on linear regression methods and its significance.
5. How Mean, Mode, Median are calculated?
6. Write short notes on relative and attributed risk.

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