

[LK 822]

MAY 2017

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. What is mean by Homogenous Data? Name the statistical methods used to analyse Homogenous Data. Explain the ANOVA method of statistical analysis.
2. Explain the report preparation with contents of the report in a Clinical Trial.
3. What are the attributable risk in Epidemiological Research? Add a note on NULL hypothesis.
4. Briefly write on:
  - a) Confidential limit calculation in statistics.
  - b) Drug information center.

**II. Write notes on:**

**(6 x 5 = 30)**

1. Explain student 't' tests.
2. Write on median, standard error mean and average.
3. Write a note on scattered plots.
4. How admixtures are prepared? Explain the role of pharmacist in intravenous admixtures preparation.
5. Write the application of computers in patient data management.
6. What are Pearson's and Spearman's correlations? Give its application.

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