

[KX 822]

SEPTEMBER 2010

Sub. Code: 3822

DOCTOR OF PHARMACY (PHARM. D / POST BACCALAUREATE)**DEGREE EXAMINATION****(Regulations 2008-2009)****(Candidates admitted from 2008-2009 onwards)****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. Define Epidemiology.

Explain in detail various study designs used in epidemiology.

2. Define Sampling.

Discuss the various sampling methods with appropriate Pharmacy examples.

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

1. Non Parametric Tests.

2. Use of statistical software in drug research.

3. Correlation and Regression.

4. Sensitivity and Specificity.

5. Type I and Type II errors.

6. Essentials of a Protocol.
