

[LP 822]

OCTOBER 2019

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. Describe in detail on the types of observational studies design.
2. Design the protocol to conduct the experimental clinical study.
3. Detail note on Type I and Type II errors.
4. Enlighten the use of computers for pharmaceutical care in community pharmacy.

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

1. How patient medication profile is recorded in the pharmacy? State its importance.
2. Write short notes on standard deviation and variance.
3. Give details on sample size calculation.
4. Concise about the linear regression and correlation.
5. Write note on the patient record database management.
6. Write note on computerizing the prescription dispensing process.
