[LH 822]   **OCTOBER 2015**   **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**
Answer ALL questions

I. Elaborate on :   **(4 x 10 = 40)**

1. Explain the use of computers in a community pharmacy.

2. What is standard deviation and standard error mean? State its significance. How they are calculated?

3. What is hypothesis? How is can be tested? Explain with suitable example.

4. How data are represented? Explain.

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

1. How power of the study is calculated?

2. Explain case control studies.

3. Briefly write on the commercially available statistical software.

4. What is Student 't' test? How it has been calculated?

5. Write short notes on Confidence interval.

6. How patient medication profile is recorded in the Pharmacy? Stat its importance.

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