[KZ 822]   **OCTOBER 2011**   **Sub. Code: 3822**

DOCTOR OF PHARMACY (PHARM. D / POST BACCALAUREATE)
DEGREE EXAMINATION
FOURTH YEAR
PAPER IV – BIOSTATISTICS AND RESEARCH METHODOLOGY

Q.P. Code: 383822

Time: Three Hours   **Maximum: 100 marks**

Answer ALL questions in the same order.

I. Elaborate on :

	Pages (Max.)	Time (Max.)	Marks (Max.)
1. Various steps involved in testing the significance of single mean and difference between two means (independent samples) in small samples using 't' distribution.	17	40 min.	20
2. Computer medication order entry.	17	40 min.	20

II. Write notes on :

	Pages	Time	Marks
1. Report writing.	4	10 min.	6
2. Linear correlation and regression.	4	10 min.	6
3. Type I Error and Type II Errors.	4	10 min.	6
4. Epidemiology.	4	10 min.	6
5. Parametric and non-parametric tests .	4	10 min.	6
6. Graphical presentation.	4	10 min.	6
7. One tailed and two tailed tests.	4	10 min.	6
8. Case studies.	4	10 min.	6
9. Mann Whitney U test.	4	10 min.	6
10. Central tendency.	4	10 min.	6

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