

[LC 822]

APRIL 2013

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****I. Elaborate on:****(2 x 20 = 40)**

1. Explain Regression and Correlation.
2. Explain Null hypothesis, level of significance, power of test, P value.

**II. Write notes on:****(10 x 6 = 60)**

1. Write notes on Incidence and prevalence.
2. Write notes of interventional studies.
3. Define Range and variation of mean.
4. Define scatterplots and semilogarithmic plots.
5. Define analysis of variance and explain two way classification.
6. Explain chi square test and write the application of student t test.
7. Write the advantages of computerized literature retrieval.
8. Write out the patient record database management.
9. Write short notes on report writing.
10. Define median and mode.

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