

[LA 822]

APIRL 2012

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. Explain statistical methods in epidemiology. | 17 | 40 min. | 20 |
| 2. Explain Drug information retrieval and storage. | 17 | 40 min. | 20 |

II. Write notes on :

- | | | | |
|---|---|---------|---|
| 1. Write short notes on case studies and observational studies. | 4 | 10 min. | 6 |
| 2. Explain Power of a study. | 4 | 10 min. | 6 |
| 3. Write short notes on standard deviation and variance. | 4 | 10 min. | 6 |
| 4. Explain student t test. | 4 | 10 min. | 6 |
| 5. Explain one way classification of analysis of variance. | 4 | 10 min. | 6 |
| 6. Explain wilcoxon's signed rank test and Sign test. | 4 | 10 min. | 6 |
| 7. Explain statistical software of SPSS , Epi info. | 4 | 10 min. | 6 |
| 8. Write the use of computers in hospital pharmacy | 4 | 10 min. | 6 |
| 9. Write out the Drug labels and list in pharmacy. | 4 | 10 min. | 6 |
| 10. Write the use of computers for pharmaceutical care in community pharmacy. | 4 | 10 min. | 6 |
