

[LB 822]

OCTOBER 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.)
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| 1. Explain Types of clinical study design. | 17 | 40 min. | 20 |
| 2. Explain Analysis of variance. | 17 | 40 min. | 20 |

II. Write notes on :

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| 1. Write short notes on designing the methodology. | 4 | 10 min. | 6 |
| 2. Define mean and median. | 4 | 10 min. | 6 |
| 3. Define Histogram, Pie charts, and Scatter plots. | 4 | 10 min. | 6 |
| 4. Explain Report writing and Presentation of data. | 4 | 10 min. | 6 |
| 5. Explain Wilcoxon signed rank test and Mann Whitney U test. | 4 | 10 min. | 6 |
| 6. Define Regression. Explain types of regression. | 4 | 10 min. | 6 |
| 7. Explain method of correlation. | 4 | 10 min. | 6 |
| 8. What are the uses of computerized retrieval? | 4 | 10 min. | 6 |
| 9. Explain Patient medication profiles and Inventory control. | 4 | 10 min. | 6 |
| 10. Computerizing the prescription dispensing process. | 4 | 10 min. | 6 |
