



# Rajiv Gandhi University of Health Sciences, Karnataka

Fourth Year Pharma-D (Post Baccalaureate) Examination - Feb/March 2011

**Time: Three Hours**

**Max. Marks: 70 Marks**

## BIostatistics & Research Methodology

### Q.P. CODE: 2870

Your answers should be specific to the questions asked  
Draw neat labeled diagrams wherever necessary

#### LONG ESSAYS (Answer any Two)

**2 x 10 = 20 Marks**

1. Explain the determination of sample size for simple comparative experiments
2. Distinguish between parametric and non-parametric tests. Write a note on chi-square test
3. Explain the Pearson's correlation co-efficient

#### SHORT ESSAYS (Answer any Six)

**6 x 5 = 30 Marks**

4. Discuss the interventional studies
5. Explain the report writing in research methodology
6. Note on computerized retrieval
7. One way analysis of variance
8. Five body when put on special enriched diet showed the following gain in body weight 8,2,3,5,12 (kgs) respectively, find out the mean gain in body weight and the standard deviation from the mean
9. Mann Whitney U test
10. Discuss the observational studies
11. Use of computers for pharmaceutical care in community pharmacy

#### SHORT ANSWERS

**10 x 2 = 20 Marks**

12. Frequency distribution
13. Standard error mean
14. Management report
15. SAS
16. Linear regression
17. What are different type of data distribution?
18. Average
19. Power of the study
20. Labeling of graphs
21. Piecharts

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