

Rajiv Gandhi University of Health Sciences, Karnataka
Fourth Year Pharma-D (Post Baccalaureate) Examination - August 2010

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. Discuss the designing a methodology in research
2. Explain the two way analysis of variance
3. Discuss the patient record data base management

SHORT ESSAYS (Answer any Six)

6 x 5 = 30 Marks

4. Write the advantage of computerized literature retrieval
5. Explain the Spearman's correlation
6. Discuss the relative risk and attributable risk assessment
7. Application of computer in Community Pharmacy
8. The Haemoglobin (gm) value were estimated before and after the treatment of vitamin B12 therapy in six human volunteers, calculate whether these changes were significant due to drug therapy or not by using paired t test <https://www.rguhsonline.com>
Before treatment: 12.2, 11.3, 14.7, 11.4, 11.5, 12.7
After treatment: 13.0, 13.4, 16.0, 13.6, 14.0, 13.8
9. Computer application in pharmacy
10. Discuss the observational studies
11. Drugs storage

SHORT ANSWERS

10 x 2 = 20 Marks

12. Arithmetic mean
13. Frequency polygon
14. Variation of mean
15. What is data graphics?
16. Null hypothesis
17. Sign test
18. Scatter plots
19. Mode
20. Standard deviation
21. SPSS
