Rajiv Gandhi University of Health Sciences, Karnataka
II Year B.P.T. Degree Examination - September 2014

Time: Three Hours   **Max. Marks: 80 Marks**

RESEARCH METHODOLOGY & BIOSTATISTICS
(RS-3 & RS-4)
Q.P. CODE: 2713

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 principles of experimental design
2. Discuss about the characteristics of sample and population
3. Compute Mean, Median and Mode for the following data

Duration of Hospital Stay (Days):	0-4	4-8	8-12	12-16	16-20
Number of Patients	2	4	8	5	1

SHORT ESSAYS (Answer any Eight)   **8 x 5 = 40 Marks**

4. Explain about variables and levels of measurement
5. Briefly mention the problem accounted in research
6. Explain the properties of normal distribution curve
7. Define standard deviation and state the steps in computing standard deviation
8. Explain about hypothesis
9. Explain about ANOVA
10. Discuss about questionnaire and schedule
11. Explain about measurement scales
12. Mention the characteristics of good research
13. Research methods and methodology

SHORT ANSWERS   **10 x 2 = 20 Marks**

14. Qualitative research
15. Nominal and ordinal data
16. Statement of the research problem
17. Pie diagram
18. Skewness
19. Kurtosis
20. Probability
21. Median
22. Need for sampling
23. Computer in research

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