Rajiv Gandhi University of Health Sciences, Karnataka
IV Year B.P.T. Degree Examination - 16-Mar-2021

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

RESEARCH METHODOLOGY AND BIOSTATISTICS (RS5)
Q.P. CODE: 2751
Your answers should be specific to the questions asked.
Draw neat labeled diagrams wherever necessary.

LONG ESSAYS (Answer any One)   **1 x 10 = 10 Marks**

1. What are measures of central tendency? Explain each of them with an example. Why they are called measures of central tendency?

2. What is meant by sampling? Explain the different methods of sampling.

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

3. Normal Probability Curve.
4. Basic concepts of concerning testing of hypothesis.
5. Objectives of research.
6. Uses of computer in medical research.
7. Explain the steps involved in processing of data.
8. Differentiate between research methods and methodology.
9. Uses of t-test.
10. Motivation in research.
11. Analysis of variance and covariance.
12. Define standard deviation and state the steps in computing standard deviation.

SHORT ANSWERS   **10 x 3 = 30 Marks**

13. Editing.
14. Kurtosis.
15. Ex Post Facto Research.
16. Research Problem.
17. Histogram.
18. Research Approaches.
19. One tailed and two tailed test.
20. Ordinal Scale.
21. Probability.
22. What is binomial Distribution?

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