

# Rajiv Gandhi University of Health Sciences, Karnataka

IV Year B.P.T. Degree Examination - 24-May-2023

**Time: Three Hours**

**Max. Marks: 80**

## **RESEARCH METHODOLOGY AND BIOSTATISTICS (RS-5)**

**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. Explain various methods of data collection
2. Define research design. Explain various methods of research design

### **SHORT ESSAYS (Answer any Eight)**

**8 x 5 = 40 Marks**

3. Problems encountered by researchers in India
4. Explain various methods of sampling
5. Testing of hypothesis
6. Steps involved in problem statement
7. Tabulation of data
8. Central tendency
9. Normal distribution curve
10. Principles of ANOVA
11. Errors in sampling designs
12. Variables

### **SHORT ANSWERS**

**10 x 3 = 30 Marks**

13. Types of editing
14. Pie chart
15. Schedule method
16. Kurtosis
17. Probability
18. Types of scaling
19. Two tailed test
20. Descriptive research and analytical research
21. Sampling frame
22. Extraneous variable

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