

# Rajiv Gandhi University of Health Sciences, Karnataka

IV Year B.P.T. Degree Examination - 28-May-2025

**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. Describe the different types of sample design
2. Discuss about probability and standard distributions

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

**8 x 5 = 40 Marks**

3. How schedules differ from questionnaires?
4. Explain exploratory research studies
5. Points to be observed by a researcher while selecting a research problem
6. What are the objectives of research?
7. Limitations of tests of hypothesis
8. Explain three types of validity
9. Application of sampling in community
10. Explain the problems in processing
11. Guidelines for the use of various measures of central tendency
12. How to select an appropriate method for data collection?

### **SHORT ANSWERS**

**10 x 3 = 30 Marks**

13. What is principle of replication?
14. What is interview method?
15. What are Branches of statistics?
16. Unpaired t-test
17. Cumulative scales
18. Simulation research
19. Time series
20. Control group
21. Significance level
22. What is Diligence?

\*\*\*\*\*