

Rajiv Gandhi University of Health Sciences, Karnataka

IV Year B.P.T. Degree Examination - 18-May-2026

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 in detail research design and types of research design
2. Explain steps involved in sampling design. Explain different methods of sampling

SHORT ESSAYS (Answer any Eight)

8 x 5 = 40 Marks

3. Types of sampling design
4. Problem statement
5. Applications of biostatistics in research
6. Scales of measurement
7. Testing hypothesis
8. Central tendency
9. Methods of data collection
10. Processing and analysis of data
11. Role of computer in research
12. Graphical presentation of data

SHORT ANSWERS

10 x 3 = 30 Marks

13. Empirical research
14. Types of variables
15. One tailed and two tailed test
16. Types of error
17. Bar diagram
18. Cluster sampling
19. Motivation in research
20. What is probability?
21. ANOVA
22. Standard deviation
