



Rajiv Gandhi University of Health Sciences, Karnataka

IV Year B.P.T. Degree Examination - 15-Jul-2022

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.
2. Define research design. Explain the steps involved in research process.

SHORT ESSAYS (Answer any Eight)

8 x 5 = 40 Marks

3. Construction of frequency polygon.
4. Features of good research design.
5. What is standard normal distribution? Mention its important properties.
6. Motivation in research.
7. Explain the techniques of developing measurement tools.
8. Factors to be considered in the preparation of questionnaires.
9. Null and Alternative hypothesis.
10. Role of statistics in research.
11. Research methods v/s methodology.
12. Pie diagram construction.

SHORT ANSWERS

10 x 3 = 30 Marks

13. Sampling unit.
14. Continuous v/s Discrete variables.
15. Hypothesis.
16. Nominal scale.
17. Define population and sample.
18. What are the criteria for the application of chi square test?
19. Mean deviation.
20. Probability.
21. Sampling error.
22. Coefficient of variation.
