

Rajiv Gandhi University of Health Sciences, Karnataka

II Year B.P.T. Degree Examination - OCT-2019

Time: Three Hours

Max. Marks: 80 Marks

RESEARCH METHODOLOGY & BIOSTATISTICS (RS-3 & RS-4)

Q.P. CODE: 2713

Your answers should be specific to the questions asked
Draw neat labeled diagrams wherever necessary

LONG ESSAYS (Answer any Two)

2 x 10 = 20 Marks

1. Define research. Explain objectives and criteria for a good research.
2. Define biostatistics. Explain characteristics of biostatistics.
3. Explain scales of measurement.

SHORT ESSAYS (Answer any Eight)

8 x 5 = 40 Marks

4. Measures of central tendency
5. Criteria for good sampling
6. Difference between questionnaire and schedule
7. Stratified sampling
8. Chi-square test
9. Skewness and kurtosis
10. Explain steps involved in the processing of data
11. Describe basic concept concerning testing of hypotheses
12. Analysis of variance and covariance (ANOVA&ANACOVA)
13. Difference between descriptive and inferential statistics.

SHORT ANSWERS

10 x 2 = 20 Marks

14. Define mode
15. Ranking scale
16. Coding
17. Distinguish between primary and secondary data
18. Frequency polygon
19. Case-control study
20. Define statistics
21. Standard deviation
22. Type I and Type II error
23. Define research design