Rajiv Gandhi University of Health Sciences, Karnataka
II Year B.P.T. Degree Examination – SEP-2017

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 biostatics, Explain characteristics of biostatistics
2. Define research design, Explain the different types of research design
3. Define tabulation. Explain the important types of graphical representation

SHORT ESSAYS (Answer any Eight)   **8 x 5 = 40 Marks**

4. Analysis of variance and covariance (ANOVA & ANACOVA)
5. Stratified sampling
6. Chi-square test
7. Explain measures of asymmetry
8. Explain steps involved in the processing of data
9. Describe basic concept concerning testing of hypotheses
10. Describe various scale of measurement with examples
11. Explain measures of central tendency
12. Criteria for a good research
13. Explain questionnaire methods of data collection

SHORT ANSWERS   **10 x 2 = 20 Marks**

14. Define ratio scale
15. Define mode
16. Coding
17. Distinguish between primary and secondary data
18. Frequency polygon
19. Case-control study
20. Sampling errors
21. Standard deviation
22. Binomial distribution
23. Skewness

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