Rajiv Gandhi University of Health Sciences, Karnataka
II Year **B.P.T. Degree Examination - SE P-2018**

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. What are measures of central tendency? Explafn each of them with an example_

2, Explain different methods of sampling technique

3. Define research. Explain different types of research

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

4. Explain measures of asymmetry.

5. What are the characteristic of statistics?

6. What are measures of dispersion?

7. Define hypotheses. Explain briefly the basic concept concerning testing of hypotheses.

8. Uses of computer in research

9. Uses of biostatistics in hea[th science

10. Types of diagram and graphs

11. Analysis of variance and covariance (ANOVA & ANA OVA)

12. Nil and alternative hypotheses

13. Describe briefly about difference between questionnaire and schedules

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

14. Skewness

15. Normal probability curve

16. One tailed and two tailed hypotheses

17. Classification

18. What are the errors in sampling?

19. Prospective study

20. Median

21. Ordinal scale

22. Qualitative and quantitative data

23. Mean deviation