# 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