

**Rajiv Gandhi University of Health Sciences**  
**I Semester M.Sc [Clinical Research] Degree Examination – OCT-2019**

**[Time: 3 Hours]**

**[Max. Marks: 100]**

**BASIC BIOSTATISTICS – I**

**PAPER - IV**

**Q.P. CODE: 9683**

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

**LONG ESSAY**

**2 X 20 = 40 Marks**

1. Describe different sampling techniques along with its merits and demerits.
2. Testing of hypothesis.

**SHORT ESSAY**

**5 X 10 = 50 Marks**

3. Correlation and regression.
4. Describe different methods of graphical presentation of data.
5. Importance of sample size
6. Calculate the mean and standard deviation for the following data

<b>Class interval</b>	0-10	10-20	20-30	30-40
<b>Frequency</b>	5	10	12	8

7. Define the following :
  - a) Range
  - b) Standard Deviation and Variance

**SHORT NOTES**

**2 X 5 =10 Marks**

8. Measures of central tendency.
9. Probability and laws of probability.

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