

**B.Sc. AUDIOLOGY AND SPEECH LANGUAGE PATHOLOGY
SECOND YEAR
PAPER VII – BASIC STATISTICS AND SCIENTIFIC ENQUIRY IN
AUDIOLOGY AND SPEECH LANGUAGE PATHOLOGY**

Q.P. Code: 802317

Time: Three Hours

Maximum : 100 Marks

Answer All Questions

I. Elaborate on: **(3 x 10 = 30)**

1. Explain in detail the research methods and designs needed for clinical population and Community research.
2. Discuss on general properties of normal distribution and area under the curve with examples.
3. Calculate mean, median, mode for diastolic BP in males aged 25-34 given below

B.P	70-75	75-80	80-85	85-90	90-95	95-100
No. of males	6	18	46	17	6	2

II. Write Notes on: **(8 x 5 = 40)**

1. Scales of Measurement.
2. Collection of Data.
3. Types of Correlation.
4. Formulation of hypothesis.
5. Classification of data.
6. Limitations of Statistics.
7. Sampling Techniques.
8. Ethics in Research.

III. Short Answers on: **(10 x 3 = 30)**

1. Descriptive Statistics.
2. Datum, Class interval, Class frequency, class width.
3. Rank correlation.
4. Standard error.
5. Coefficient of variation.
6. Components of Research article.
7. Types of Variables.
8. Population and sample, Sampling frame.
9. Parameter and Statistic.
10. Statement of a research question.
