

**BACHELOR IN AUDIOLOGY AND SPEECH LANGUAGE PATHOLOGY**

**FIRST YEAR – SEMESTER - I**

**PAPER VI – RESEARCH METHODS AND STATISTICS**

*Q.P. Code: 802336*

**Time: Three Hours**

**Maximum : 75 Marks**

**Answer All questions**

**I. Elaborate on:**

**(2 x 10 = 20)**

1. Discuss the methods of sampling the data.
2. Describe the experimental study design.

**II. Write notes on:**

**(8 x 5 = 40)**

1. Shape of the data.
2. Best measure of variation and its significance in the research.
3. Skewness and Kurtosis of the data.
4. What is research question and how to test the research question?
5. Critical area and critical region with their importance.
6. Cross sectional study with example.
7. Confidence interval.
8. Difference between the qualitative and quantitative data.

**III. Short answers on:**

**(5 x 3 = 15)**

1. Null and alternative hypothesis.
2. Relationship of the data.
3. Importance of research in audiology.
4. Mean, median, mode.
5. Scales of measurement.

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