

Q.P.Code: 207015

Reg. No.:.....

**Second Year BASLP Degree Supplementary Examinations
March 2019**

**Statistics and Research Methods & Epidemiology in Speech and
Hearing**

Time : 3 hrs

Max marks : 80

- **Answer all questions**

Essay:

(4x10=40)

1. Define statistics. Discuss the uses of statistics in the area of speech and hearing. Calculate mean, median and coefficient of variation (C.V) for the following data:
11, 12, 15, 19, 21, 18, 20, 23, 22, 25
2. Explain the different types of group designs. Distinguish between group design and single subject design.
3. What is central tendency. Explain the different measures of central tendency. Mention the good characteristics of an ideal measure of central tendency.
4. Define population and sample. Discuss the various probability sampling methods.

Short notes

(5x5=25)

5. What are the methods of data collection.
6. Properties of normal distribution
7. Skewness and kurtosis
8. What is correlation. Mention the different types of correlation
9. Assessment of prevalence of voice disorders among children

Answer briefly

(5x3=15)

10. Scales of measurement
11. Dispersion
12. Prevalence of NIHL
13. First kind of error and second kind of error in testing of hypothesis.
14. Paired t-test
