

**Second Year BASLP Degree Supplementary Examinations March 2020****Statistics and Research Methods and Epidemiology related to  
Speech and Hearing  
(2016 Scheme)****Time : 3 hrs****Max marks : 80**

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together • Leave sufficient space between answers*
- *Draw diagram wherever necessary*

**Essay:****(4x10=40)**

1. Explain various methods of random sampling with their merits and demerits.
2. Calculate mean and SD for the following data.

X	12	24	30	40	52
F	5	10	15	10	5

3. Attempt an essay on small sample tests.
4. Describe various scales of measurements and write at least two examples for each.

**Short notes****(5x5=25)**

5. Median
6. Properties of normal distribution
7. Types of correlation
8. Single subject designs
9. Incidence and prevalence of language disorders in children.

**Answer briefly****(5x3=15)**

10. Personal survey
11. Sampling error
12. Descriptive statistics
13. Frequency graphs
14. Research questions.