

Second Year BASLP Degree Supplementary Examinations April 2021

**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. Describe various types of frequency graphs with suitable illustrations.
2. Calculate correlation coefficient for the data given below.

| | | | | | | |
|---|---|---|---|---|----|----|
| X | 1 | 2 | 3 | 4 | 5 | 6 |
| Y | 2 | 4 | 6 | 8 | 10 | 12 |

3. Explain the importance of statistics in speech and hearing research.
4. Discuss the incidence and prevalence of various types of hearing loss in geriatric population.

Short notes

(5x5=25)

5. Mode
6. Kurtosis
7. Research designs
8. Internal consistency evaluation
9. Arithmetic mean

Answer briefly

(5x3=15)

10. Screening
11. Demerits of standard deviation
12. Nominal and ordinal scales
13. Non-probability sampling
14. Scatter plots