

**Second Year BASLP Degree Examinations -September 2015**

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

Time : 3 hrs

Max marks : 80

- Answer all questions
- Use only ordinary calculators

**Essay:**

**(4×10=40)**

1. What are the various types of measures of central tendency. The mean vocabulary scores of 30 boys is 64 and 27 girls is 72. Find their combined mean.
2. What is correlation. What is the range of r. Find the Karl Pearson product moment correlation based on the data for physical concomitants of stuttering as measured (X) and frequency stuttering occurrences(Y).

<b>X</b>	3	2	1	5	3	1	4	5	3	3
<b>Y</b>	14	15	11	9	14	4	8	6	18	16

3. Define sampling. Discuss the various types of sampling with suitable examples. Which could be used in the field of speech and hearing research.
4. Explain about the importance and need for school screening for the identification of communication disorders

**Short notes**

**(5×5=25)**

5. Explain rank correlation.
6. What is sampling distribution and sampling error.
7. What is ogive.
8. What are the methods of data collection.
9. Prevalence of voice disorders

**Answer briefly**

**(5×3 = 15)**

10. Tabulation
11. Research hypothesis
12. Sample survey
13. Central tendency
14. Prevalence of NIHL