

Second Year BASLP Degree Supplementary Examinations - March 2016

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. Explain various measures of dispersion with advantages and disadvantages of each. Also calculate standard deviation from the following data. The duration of a therapy in minutes is as follows for 10 subjects.
193, 206, 188, 375, 204, 287, 221, 216, 195, 231
2. Define sampling. Discuss the various probability sampling methods
3. What is meant by measurement. Discuss the properties of various scales of measurement
4. Explain briefly about history of speech and hearing in India

Short notes

(5×5=25)

5. Explain the concept of kurtosis by using a neat diagrams
6. Define correlation and mention types of correlation
7. Detail steps involved in research
8. Research designs
9. Prevalence of conductive hearing loss in children

Answer briefly

(5×3 = 15)

10. Averages
11. Properties of normal distribution
12. Methods of data collection
13. Importance of statistics in behavioral sciences
14. Expand-TORCH, HRR