VINAYAKA MISSION'S RESEARCH FOUNDATIONS, SALEM
(Deemed to be University)

BASLP DEGREE EXAMINATION- February 2020
Third Year

BASIC STATISTICS AND SCIENTIFIC ENQUIRY IN AUDIOLOGY AND SPEECH LANGUAGE PATHOLOGY

Time: Three hours   Maximum: 80 marks

SECTION – A

I. Answer **ALL** questions: (30)

1. List All: (3 x 3 = 9)
    a) Measures of central tendency
    b) Scales of measurement
    c) Advantages of historical data

2. Define :   (3 x 3 = 9)
    a) Mean
    b) Descriptive statics
    c) Kurtosis

3. Differentiate between: (3 x 4 = 12)
    a) Quantitative and qualitative data
    b) Parametric and non parametric statics
    c) Nominal and ordinal scales

SECTION – B

II Write short notes on any **SIX:**   (6 x 5 = 30)

4. Types of hypothesis
5. Formulation of hypothesis
6. Need for enquiry in speech language pathology
7. Methods of data collection
8. Types of data
9. Small and large samples
10. Identification of variables
11. Procedures to be followed in data collection

SECTION – C

III Answer any **TWO**: (2 x 10 = 20)

12. Explain the various types of research designs.

13. From the following data of the marks obtained by 60 students of a class.

Calculate Arithmetic mean of the data.

Marks	20	30	40	50	60	70
No. of Students	8	12	20	10	6	4

14. Calculate the standard deviation of 18 students in a class.

IQ	118-120	115-117	112-114	109-111	106-108	103-105	100-102
No. of students	1	6	4	3	2	1	1

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