

**Q.P. Code: 111377**

**Reg. No.:.....**

**First Year MASLP Degree Supplementary Examinations April 2018**

**Statistics and Research Methods**

**(2016 Scheme)**

**Time: 3 hrs**

**Max marks: 80**

- **Answer all questions**
- **Draw diagrams wherever necessary**

**Essays**

**(5x16=80)**

1. State any two measures of central tendency and explain its application in speech and hearing field.
2. Explain various types of correlation with an example. Calculate coefficient of correlation by Pearson's product moment method and interpret

X	10	12	18	15	9	6
Y	4	3	2	5	7	11

3. Differentiate between parametric tests and nonparametric tests. Explain the test procedure for Chi-square test for association.
4. Explain the importance of single subject designs for clinical research in speech and hearing.
5. Explain different types of sampling methods with an example.

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