

[LP 1019]

OCTOBER 2019

Sub. Code: 3001

**MASTER OF AUDIOLOGY & SPEECH LANGUAGE PATHOLOGY EXAMS
FIRST YEAR
PAPER I – STATISTICS AND RESEARCH METHODS**

Q.P. Code : 433001

Time : Three hours

Maximum : 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Explain in detail about parametric and non-parametric test with an example and write its application.
2. Mention the various study designs and discuss in detail about the Cohort study and its merits and demerits with an example.

II. Write notes on:

(10 x 6 = 60)

1. Skewness and Kurtosis.
2. How will you interpret data using the normal probability curve?
3. Assumptions involved in Anova, Manova, Ancova and Mancova.
4. Correlation, partial and multiple correlations.
5. Merits and demerits of case control study.
6. Clinical and applied research.
7. Time series analysis.
8. Distinguish between the applications of group design and single subject design.
9. Discuss about Null hypothesis, level of significance, power of test and P value.
10. Technique of sampling.
