

[KZ 1011]

Sub. Code: 3001

**MASTER OF AUDIOLOGY AND SPEECH LANGUAGE PATHOLOGY
(MASLP) DEGREE EXAMINATION**

FIRST YEAR

PAPER I – STATISTICS AND RESEARCH METHODS

Q.P. Code : 433001

**Time : 3 hours
(180 Min)**

Maximum : 100 marks

Answer ALL questions in the same order.

I. Elaborate on :

Pages (Max.)	Time (Max.)	Marks (Max.)
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- | | | | |
|--|----|----|----|
| 1. Research designs in behavioural sciences. | 17 | 40 | 20 |
| 2. Research report writing and presentation. | 17 | 40 | 20 |

II. Write notes on :

- | | | | |
|--|---|----|---|
| 1. Dependability of the descriptive measures of the sample in research applications. | 4 | 10 | 6 |
| 2. Differentiate between skewness and kurtosis. | 4 | 10 | 6 |
| 3. Use of regression equations in research. | 4 | 10 | 6 |
| 4. Explain the analysis of covariance technique by giving examples in your field of study. | 4 | 10 | 6 |
| 5. Item pool and difficulty index. | 4 | 10 | 6 |
| 6. Nonparametric measures of association and their interpretation. | 4 | 10 | 6 |
| 7. Statistical techniques used in epidemiological research. | 4 | 10 | 6 |
| 8. Scientific approach to solving research problems. | 4 | 10 | 6 |
| 9. Purposive and incidental sampling methods. | 4 | 10 | 6 |
| 10. Explain the importance of variance control in experimental research. | 4 | 10 | 6 |

[LB 1012]

OCTOBER 2012

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MASTER OF AUDIOLOGY AND SPEECH LANGUAGE PATHOLOGY

(MASLP) DEGREE EXAMINATION

FIRST YEAR

PAPER I – STATISTICS AND RESEARCH METHODS

Q.P. Code : 433001

Time : 3 hours
(180 Min)

Maximum : 100 marks

Answer ALL questions in the same order.

I. Elaborate on :

Pages Time Marks
(Max.)(Max.)(Max.)

- | | | | |
|---|----|----|----|
| 1. Best measure of dispersion and explain its need in research. | 17 | 40 | 20 |
| 2. Methods of Sampling. | 17 | 40 | 20 |

II. Write Notes on :

- | | | | |
|--|---|----|---|
| 1. Skewness and Kurtosis. | 4 | 10 | 6 |
| 2. Limitations of Statistics. | 4 | 10 | 6 |
| 3. Properties of Normal distribution. | 4 | 10 | 6 |
| 4. MANOVA and MANCOVA. | 4 | 10 | 6 |
| 5. Time validity and difficulty index. | 4 | 10 | 6 |
| 6. Tests of Similarity. | 4 | 10 | 6 |
| 7. Randomized Control Trial. | 4 | 10 | 6 |
| 8. SPSS. | 4 | 10 | 6 |
| 9. Reliability and Validity. | 4 | 10 | 6 |
| 10. Time Series Analysis. | 4 | 10 | 6 |

[LC 0413]

APRIL 2013

Sub. Code: 3001

MASTER OF AUDIOLOGY AND SPEECH LANGUAGE PATHOLOGY

(MASLP) DEGREE EXAMINATION

FIRST YEAR

PAPER I – STATISTICS AND RESEARCH METHODS

Q.P. Code : 433001

Time : 3 hours

Maximum : 100 marks

I. Elaborate on:

(2x20=40)

1. Non Parametric Tests.
2. The applications of group and single subject Research designs.

II. Write Notes on :

(10X6=60)

1. Best measure of Variability.
2. Merits and Demerits of an Average.
3. Laws of Probability.
4. Rank Correlation.
5. Chisquare test.
6. Partial and Multiple correlation.
7. Case Control Study.
8. Emphirical Rationale.
9. Incidental Sampling.
10. Variance Control.
