

Q.P. Code: 101390

Reg. No.:.....

**First Semester M.Sc Speech Language Pathology Degree Regular/
Supplementary Examinations September 2023**

SLP 101: Research Methods, Statistics and Epidemiology

Time: 3 hrs

Max marks: 80

- Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space
- Answer all parts of a single question together • Leave sufficient space between answers
- Draw table/diagrams/flow charts wherever necessary

Essays

(5x16=80)

- (a) What are single-subject designs. Explain with suitable examples.
(b) Discuss the international guidelines for ethical considerations in research. (8+8)
- (a) How to calculate the odds ratio. Discuss its application in speech and language research.
(b) List out various types of bias and explain their consequences. (8+8)
- (a) Using an appropriate non-parametric test, test the significance in the following data:

Pre-therapy scores	10	9	10	12	14	12	10
Post-therapy scores	15	12	11	12	15	17	13

- (b) Write a note on categorical data analysis. (8+8)
- (a) With the help of appropriate examples, explain various types of ANOVA.
(b) Discuss the applications of post-hoc tests. (8+8)
- Write short notes on:
(a) Meta-analysis
(b) Steps to be followed in evidence-based practice (8+8)
