

Q.P. Code: 101390

Reg. No.:.....

**First Semester M.Sc Speech Language Pathology Degree Regular/
Supplementary Examinations November 2024**

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)

1. (a) Discuss various group designs employed in speech and language research.
(b) Explain the format for writing a scientific article as per APA. (8+8)
2. (a) Differentiate between cohort and cross-sectional studies.
(b) Explain the impact of epidemiological research on national and local policy. (8+8)
3. (a) t value at 5% level of significance for 14 degrees of freedom is 2.145.

Normal Group	8	7	9	8	6	7	10	9
Experimental Group	5	6	4	5	3	4	5	6

- (b) Explain merits and demerits of various measures of central tendency. (8+8)
4. (a) Discuss the assumptions underlying ANOVA and explain the consequences of failure of these assumptions.
(b) Explain any two methods of multivariate data analysis. (8+8)
5. Write short notes on:
(a) Randomized controlled trials
(b) Challenges in evidence-based practice (8+8)
