

Q.P. Code: 101389

Reg. No.:.....

**First Semester M.Sc. Audiology Degree Regular/Supplementary
Examinations November 2024**

A 101: Research Methods, Statistics & 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) Explain any two group designs with suitable examples.
b) Discuss the ethical issues and guidelines in speech and hearing research. (8+8)
2. a) Write a note on various epidemiological measures.
b) Describe the influence of epidemiology on professional issues. (10+6)
3. a) Discuss the scope for categorical data analysis in research in audiology.
b) Explain various types of hypotheses. (10+6)
4. a) Attempt an essay on applications of multivariate analysis in research in communication disorders.
b) Calculate Pearson's coefficient of correlation for the following data.

X	2	4	6	8	10	12	14	16	18
Y	1	2	3	4	5	6	7	8	9

(8+8)

5. Write short notes on:
a) Measures of diagnostic accuracy
b) Randomized control trials (8+8)
