

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[AHS 1023]

OCTOBER 2023

Sub. Code: 2801

**M.Sc. AUDIOLOGY
FIRST SEMESTER (From 2021-2022 onwards)
PAPER I – RESEARCH METHODS, EPIDEMIOLOGY AND STATISTICS**

Q.P. Code: 282801

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(2x20=40)

1. a) What are the differences between Experimental studies and Observational studies?
b) Discuss selection of controls in case-control studies.
2. a) Principle of probability sampling.
b) Types of probability sampling.
c) Merits and demerits of each of the sampling techniques.

II. Write notes on:

(10x6=60)

1. Ecological study.
2. Charts and Graphs.
3. Systematic error.
4. Ethics review of research proposals.
5. Reliability and Validity.
6. Elements of an Informed Consent
7. Steps in developing a research question.
8. Skewness and Kurtosis.
9. Blinding.
10. Analysis of variance.
