

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

[AHS 0921]

**SEPTEMBER 2021
(MAY 2021 EXAM SESSION)**

Sub. Code: 2201

**M.Sc. RESPIRATORY THERAPY
FIRST YEAR (From 2019-2020 onwards)
PAPER I – PRINCIPLES OF RESEARCH METHODOLOGY BIO-STATISTICS
AND MEDICAL ETHICS
*Q.P. Code : 282201***

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate notes on:

(2 x 20 = 40)

1. Explain observational study designs with illustrative examples and merits and demerits.
2. Scales of measurements and methods of data collection

II. Write Short Notes on:

(10x6 = 60)

1. Objectives of research problem and Hypothesis testing
2. Methods of non-probability sampling.
3. Masking in Clinical trials.
4. Measures of central tendency
5. Role of ICMR in maintaining ethics in research.
6. Uses of electronic devices in health data management.
7. Pilot Study.
8. Likert Scale
9. Graphical Representation
10. IRB
