

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

[AHS 0921]

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

Sub. Code: 1621

**M.OPTOM
FIRST YEAR (From 2018-2019 onwards)
PAPER I – RESEARCH METHODOLOGY AND BIO-STATISTICS
*Q.P. Code : 281621***

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Discuss Cohort studies and Case-control studies with suitable examples.
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:

(10 x 6 = 60)

1. Review of Literature
2. Justification of a Study
3. Informed Consent
4. Primary and Secondary Data
5. Normal Distribution
6. Scales of measurement
7. Chi-square Test
8. Presentation of Data
9. Best measure of Central Tendency
10. Level of Significance and Power of the Test
