

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

[AHS 0321]

**MARCH 2021  
(OCTOBER 2020 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. Describe the basic steps involved in conducting randomized controlled trials and discuss about the types of R.C.T.
2. How to present the research results with suitable example.

**II. Write notes on:**

**(10 x 6 = 60)**

1. Observational Studies.
2. Patient Information Sheet.
3. Study Protocol.
4. Referencing Styles.
5. Choosing a Appropriate research topic.
6. Qualitative and Quantitative Data.
7. Type I and Type II Error.
8. Mean and Standard Deviation.
9. P Value and Confidence Interval.
10. Probability Sampling Method and its application in research.

\*\*\*\*\*