

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

[AHS 0921]

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

Sub. Code: 1255

**M.Sc. MEDICAL LABORATORY TECHNOLOGY
FIRST YEAR (2011-2012 Regulation - From 2013-2014 onwards)
PAPER V – EPIDEMIOLOGY AND BIostatISTICS
*Q.P. Code : 281255***

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Mention the various study designs. Describe in detail how you will conduct a cohort study.
2. Appropriate situation where Correlation and Regression applied. Differentiate Correlation coefficient and Regression coefficient.

II. Write notes on

(10 x 6 = 60)

1. Causal association
2. Scales of Measurement
3. Diagnostic Test
4. Mortality and Morbidity Rate
5. Confidence Interval
6. Students t Test
7. Non-Probability Sampling
8. Coefficient of Variation
9. Histogram and Bardigram
10. ROC Curve
