

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

[AHS 0222]

**FEBRUARY 2022
(OCTOBER 2021 EXAM SESSION)**

Sub. Code: 2862

**M.Sc. BIOSTATISTICS
FIRST YEAR (From 2011-2012 onwards)
PAPER II – EPIDEMIOLOGY AND DESIGN OF EXPERIMENTS
*Q.P. Code : 282862***

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate notes on:

(2 x 20 = 40)

1. Explain the analysis of Split Plot Design in detail.
2. A New vaccine has been produced against COVID -19, what are the phases of evaluation of this vaccine? How will you conduct the third phase of this evaluation?

II. Write Short Notes on:

(10x6 = 60)

1. Explain reliability and validity with example
2. Factorial Design
3. Explain ROC curve
4. What do you mean by Double blind method?
5. What are the basic concept of human genetics?
6. Write on Analysis of RBD
7. What do you mean by Herd Immunity?
8. Describe Agent, Host and environment
9. Retrospective Study.
10. Note on Cross over design, explain with example?
