

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

[AHS 0122]

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

Sub. Code: 2865

**M.Sc. BIOSTATISTICS
SECOND YEAR (From 2011-2012 onwards)
PAPER I – APPLIED REGRESSION METHODS
*Q.P. Code : 282865***

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate notes on:

(2 x 20 = 40)

1. Count data and Poisson regression.
2. Types of censoring.

II. Write Short Notes on:

(10x6 = 60)

1. Mantel-Haenszel procedure.
2. Estimating Odds ratio.
3. Logistic model for ordinal data.
4. Log linear models for two way tables.
5. Collapsibility and model building.
6. Cox's proportional hazard model.
7. Log plot.
8. Exponential distribution.
9. Dummy variables in multiple regression.
10. Analysis of contingency tables.
