

[LJ 1016]

OCTOBER 2016

Sub. Code: 2865

**M.Sc. BIOSTATISTICS EXAMS
SECOND YEAR
PAPER I – APPLIED REGRESSION METHODS**

Q.P. Code: 282865

Time: Three hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Explain with example for Kaplan – Meir survival analysis.
2. a) How do you evaluate the model and fit in logistic regression?
b) Assumptions for logistic regression.

II. Write notes on:

(10 x 6 = 60)

1. Explain unconditional logistic regression.
2. Role of dummy variables in regression analysis.
3. Cox and Snell R square.
4. Difference between odds ratio and relative risk.
5. Censored data with example.
6. Ordinal regression.
7. Weighted Kappa.
8. Hypothesis of independence.
9. Stratified analysis.
10. Log linear models for three way table.
