

[LL 1017]

OCTOBER 2017

Sub. Code: 2866

**M.Sc. BIOSTATISTICS EXAMS
SECOND YEAR
PAPER II – APPLIED MULTIVARIATE ANALYSIS AND TIME
SERIES ANALYSIS**

Q.P. Code : 282866

Time : Three hours

Maximum : 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Explain how discriminant analysis is used as a classification method.
2. Explain principal component analysis.

II. Write notes on:

(10 x 6 = 60)

1. Direct and indirect effects in path analysis.
2. Optimal discriminant function.
3. Canonical correlation.
4. Bayes' rule in discriminant analysis.
5. Exogenous and endogenous variables in path analysis.
6. Autocorrelation.
7. Demographic time series.
8. Deterministic and stochastic models.
9. Autoregressive processes.
10. Periodogram.
