

Total No. of Questions : 5]

SEAT No. Signature of Principal

P-7961

[Total No. of Pages : 2

[6118]-57

M.B.A.

304BA : SC-BA-03 ADVANCED STATISTICAL METHOD
USING R

(2019 Pattern) (Semester - III)

Time : 2½ Hours]

[Max. Marks : 50

Instructions to the candidates:

- 1) All questions are compulsory.
- 2) All questions carry equal marks.

Q1) Answer the following questions (Any Five) : [10]

- a) Define Null and alternate hypothesis.
- b) What is ROC curve?
- c) State the significance of correlation analysis.
- d) Define clustering in Data Mining.
- e) Recite the concept of one way ANOVA.
- f) Recall seasonality in time series data.
- g) Define dimension reduction.
- h) Identify any two types of tests used to compare means of two samples.

Q2) Answer the following questions (Any Two) : [10]

- a) Elaborate Autoregressive Integrated moving average model in time series.
- b) Discuss the concept of linear regression. List the parameters to evaluate linear regression model
- c) Elaborate conditional probability with an example.

Q3) Answer the following questions (Any one) : [10]

- a) Explain t-test of hypothesis testing. Write syntax in detail.
- b) Discuss MLR (Multiple Linear Regression) in detail which function is used to perform MLR in R.

P.T.O.