



B.Tech IV Year II Semester (R15) Advanced Supplementary Examinations July 2019

**DATA ANALYTICS**

(Common to CSE & IT)

Time: 3 hours

Max. Marks: 70

**PART – A**

(Compulsory Question)

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1 Answer the following: (10 X 02 = 20 Marks)

- (a) State the difference between array and matrix in R.
- (b) What are bivariate random variables?
- (c) List the uses of regression analysis.
- (d) Define correlation.
- (e) State the salient features of production lines.
- (f) What are automotive systems?
- (g) Why is time management critical in professional environment?
- (h) What are the requirements of a work unit?
- (i) What is the significance of team work?
- (j) What are NOS?

**PART – B**

(Answer all five units, 5 X 10 = 50 Marks)

**UNIT – I**

2 Explain the R functions for reading datasets and handling various file types with examples.

**OR**

3 Explain the R functions for various probability distributions.

**UNIT – II**

4 Discuss the features of NoSQL and the steps to connect R to NoSQL databases.

**OR**

5 Explain the ANOVA test methods in R.

**UNIT – III**

6 Describe the elements and features of manufacturing systems.

**OR**

7 Discuss the strategies for understanding business issues in various verticals.

**UNIT – IV**

8 Explain the steps to be followed to meet work requirements.

**OR**

9 Describe the significance of adherence to quality and standards.

**UNIT – V**

10 Describe the importance of team work and relationship management.

**OR**

11 Explain the ways to improve communication skills.

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