

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

**DATA ANALYTICS**

(Common to CSE &amp; 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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