

Code No.: CS512PE

R20

H.T.No.

8 R

CMR ENGINEERING COLLEGE: : HYDERABAD
UGC AUTONOMOUS

III-B.TECH-I-Semester End Examinations (Supply) - June- 2024

DATA ANALYTICS USING R

(CSE)

[Time: 3 Hours]

[Max. Marks: 70]

Note: This question paper contains two parts A and B.

Part A is compulsory which carries 20 marks. Answer all questions in Part A.

Part B consists of 5 Units. Answer any one full question from each unit. Each question carries 10 marks.

PART-A

(20 Marks)

1. a) Specify the Data types in R. [2M]
- b) How are missing values treated in R? [2M]
- c) Explain Histogram. [2M]
- d) What is a Quartile? [2M]
- e) When to use Linear Regression. [2M]
- f) Discuss model fitting. [2M]
- g) Define Logistic Regression. [2M]
- h) What is Generalized Linear Model? [2M]
- i) Describe Decision Tree. [2M]
- j) What is short hypothesis? [2M]

PART-B

(50 Marks)

2. Discuss in detail on the challenges of Analytical data processing along with outliers in detail. [10M]
- OR
3. Explain in detail about Vectors and Matrices with sufficient examples and application. [10M]
 4. Explain the relationships between Mean and Standard deviation appropriately. [10M]
- OR
5. Compare and contrast the measures of Central Tendency and Variability. [10M]
 6. Describe the steps in Model fitting with an example. [10M]
- OR
7. What is Linear regression? Specify the required assumptions to be made. [10M]
 8. Compare and contrast Logistic Regression and Binary Logistic Regression. [10M]
- OR
9. Discuss about Multinomial Logistic Regression model. [10M]
 10. Define Decision Tree Learning. Explain the issues with examples. [10M]
- OR
11. Discuss about Hypothesis space search tree in detail. [10M]
