Code No: 116FA

R13

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
B.Tech III Year II Semester Examinations, December - 2017
INTRODUCTION TO ANALYTICS
(Common to CSE, IT)

Time: 3 hours   Max. Marks: 75

Note: This question paper contains two parts A and B.
Part A is compulsory which carries 25 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 and may have a, b, c as sub questions.

PART - A

(25 Marks)

1.a)	Define Work Management?	[2]
b)	What is Data Frame?	[3]
c)	What is Probability?	[2]
d)	Define Bivariate Random variable?	[3]
e)	List NO SQL database examples.	[2]
f)	Explain how SQL is used in R.	[3]
g)	Define OLS Regression?	[2]
h)	Define Multicollinearity?	[3]
i)	Explain about Engineering Design.	[2]
j)	What are problems related to a Business?	[3]

PART - B

(50 Marks)

2. Discuss the following.
    a) Data types in R.
    b) Quality and Standard Adherence.   [5+5]
OR
3. Explain briefly about the concept of Reading Datasets, types of Datasets with their syntax and example.   [10]

4. Explain Probability Distribution and types with suitable examples in R.   [10]
OR
5.a) Explain summarizing the data with R.
  b) What are the fundamentals to build a Team?   [5+5]

6. Explain the term NO SQL. Write the differences of NO SQL and SQL.   [10]
OR
7.a) Explain how to Read R output in Excel.
  b) Explain how to Read Excel spreadsheet in R.   [5+5]

8.a) Explain Regression Modelling.
  b) Explain in detail about Regression residuals. [5+5]

OR

9. Explain the concept of Basic Regression Analysis with a suitable example. [10]

10. Discuss the comparison of business analytics and organization decision-making processes with a flow chart. [10]

OR

11. What is meant by Manufacturing? Explain Smart Utilities. [10]

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