Code No: 126UA

R15

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
B. Tech III Year II Semester Examinations, April - 2018
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 various data types.	[2]
b)	What are structured array? Give examples.	[3]
c)	Discuss about probability function.	[2]
d)	Calculate clear statistics for random variables.	[3]
e)	Explain about SQL data types.	[2]
f)	Describe about R connector.	[3]
g)	Explain types of correlation.	[2]
h)	What is periodogram? Give example.	[3]
i)	What are the problems related to a project?	[2]
j)	Explain Smart Utilities.	[3]

PART - B

(50 Marks)

2.a) Describe working of data sets with their syntax and examples.
  b) Discuss how R windows structure is useful to environment.   [5+5]

OR

3.a) What are outliers combining datasets. Explain.
  b) State about time management and work.   [5+5]

4.a) Calculate probability for n*(n-1) functions.
  b) Explain random variables   [5+5]

OR

5.a) Explain the clear summary about the probability and data.
  b) Explain Teamwork communication and time management.   [5+5]

6. Write a program in SQL to evaluate the program "COMMAND".   [10]

OR

7.a) Differentiate between data integrity and data manipulator.
  b) How data base connector is used to R-integrity?   [5+5]

8.a) Differentiate between regression and correlated analysis.
  b) Explain about Heteroscedasticity.   [5+5]

OR

9.a) Distinguish between forecasting and regression.
  b) Explain about model of multi regression system   [5+5]

10.a) Explain about Automated mechanism design.
  b) Write an optimality function for a close loop system.   [5+5]

OR

11. Explain about Individual rationality (IR) constraints and Incentive compatibility (IC) constraints   [10]

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