R18 Regulation *Subject code: 2P3FE*

TKR COLLEGE OF ENGINEERING AND TECHNOLOGY

(Autonomous, Accredited by NAAC with 'A' Grade)

B.Tech III Semester Supplementary Examinations, March/April 2023

INTRODUCTION TO ANALYTICS

(Information Technology)

Maximum Marks: 70 Date:10.04.2023 Duration: 3 hours

Note: 1.This question paper contains two parts A and B.
2. Part A is compulsory which carries 20 marks. Answer all questions in Part A.
3. Part B consists of 5 Units. Answer any one full question from each unit which carries 10M.
4. Each question carries 10 marks and may have a, b, c, d as sub questions.

Part-A

All the following questions carry equal marks (10x2M=20 Marks)

1 Define various data types in R.
2 What is structured array? Give examples.
3 Discuss about probability function
4 Calculate clear statistics for random variables.
5 Explain about SQL data types.
6 Describe about R connector.
7 Explain types of correlation.
8 What is periodogram? Give example.
9 What are the problems related to a project?
10 Explain Smart Utilities

Part-B

Answer All the following questions. (5X10M=50Marks)

11 A. Describe working of data sets with their syntax and examples.
B. Discuss how R windows structure is useful to environment. [5+5]

OR

12 A. What are outliers combining datasets. Explain.
B. State about time management and work. [5+5]

13 A. Calculate probability for n*(n-1) functions.
B. Explain random variables. [5+5]

OR

14 A. Explain the clear summary about the probability and data.
B. Explain Teamwork communication and time management. [5+5]

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

OR

16 A. Differentiate between data integrity and data manipulator.
B. How data base connector is used to R-integrity? [5+5]

17 A. Differentiate between regression and correlated analysis.
B. Explain about Heteroscedasticity. [5+5]

OR

18 A. Distinguish between forecasting and regression.
B. Explain about model of multi regression system. [5+5]

19 A. Explain about Automated mechanism design.
B. Write an optimality function for a close loop system. [5+5]

OR

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