



R17 Regulation

Subject code: 1E6EA

TKR COLLEGE OF ENGINEERING AND TECHNOLOGY
(Autonomous, Accredited by NAAC with 'A' Grade)

B.Tech III Year II Semester Supplementary Examinations, January 2023
INTRODUCTION TO ANALYTICS

(CSE)

Maximum Marks: 70

19/01/2023

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.
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 List the Data types in R.
- 2 Define the R loops.
- 3 Define Expected value.
- 4 What are the roles of a Team member?
- 5 Define NO SQL.
- 6 Write the differences of NO SQL and SQL
- 7 Explain Regression residuals
- 8 Define Multiple Linear Regression?
- 9 What is meant by Manufacturing?
- 10 Explain Smart Utilities

Part-B

Answer All the following questions.

(10M X 5=50Marks)

- 11 a) What are Outliers? Explain with an example? [5]
b) Explain about Work Management and Prioritization [5]

OR

- 12 Explain the following with syntax and example.
a) Numeric b) Character c) Date d) Array e) Matrix [10]
- 13 a) Explain about Random and Bivariate Random variables.
b) What is Professionalism? How to exhibit Professionalism? [5+5]

OR

- 14 Explain about Central Limit Theorem in detail with example in R. [10]
- 15 a) What are the benefits of NO SQL?
b) List the NO SQL database examples [5+5]

OR

- 16 a) Write the NO SQL database classification based on data model with examples.
b) List the steps for connecting R to NO SQL database [5+5]

17 Explain the following:

a) Correlation

b) Auto correlation

[5+5]

OR

18 What is Heteroscedasticity? Explain in detail [10]

19 Explain about Requirements Gathering related to a business [10]

OR

20 Explain the concept of Understanding systems and Engineering Design. [10]