



R18 Regulation

Subject code: 2P6EB

TKR COLLEGE OF ENGINEERING AND TECHNOLOGY

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

B.Tech VI Semester Supplementary Examinations, November 2025

R PROGRAMMING

(CSE)

Maximum Marks: 70

Date: 13.11.2025

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)

		Marks	CO	BTL
1	Define a list with its syntax.	2M	1	L1
2	Define Array with syntax.	2M	1	L1
3	Create a byrow() matrix.	2M	2	L1
4	Write general form of apply () for matrices.	2M	2	L1
5	Write syntax to convert a vector into Factor.	2M	3	L1
6	Write syntax to Extract sub data frame.	2M	3	L1
7	What is assignment operator?	2M	4	L1
8	Write any two differences between data frame and data table.	2M	4	L1
9	Write syntax for scan () function.	2M	5	L1
10	Write about writing a single line from keyboard.	2M	5	L1

Part-B

Answer All the following questions.

(5X10M=50Marks)

		Marks	CO	BTL
11	Write about R data structures and explain with suitable examples.	10M	1	L2
	OR			
12	Explain and differentiate NA and NULL with an example by applying mean () and mode ().	10M	1	L2
13	Define a matrix and Create a matrix and add, delete rows and columns from the matrix.	10M	2	L2
	OR			
14	Explain briefly about applying functions to list.	10M	2	L2
15	Explain lapply(), sapply(), tapply() in data frames.	10M	3	L2
	OR			
16	Write and explain factor and table related functions.	10M	3	L2
17	Explain briefly about functions for Statistical Distributions	10M	4	L2
	OR			
18	Explain about set operations in R.	10M	4	L2
19	Write about abline(), points(), legend(), text(), locator().	10M	5	L2
	OR			
20	Explain functions that are accessing through keyboard.	10M	5	L2

