Session: EVEN SEM (2022-23)

Class Test - 2	Course Name: B Tech (CSE - D)	Sem: 6th
Time: 2 Hours	Subject Name: Data analytics using R Programming Subject Code: CS102626	Min Marks: 14 Max Marks: 40

Note: Attempt all questions. Parts (a) are compulsory & attempt any two parts (b), (c) and (d)

Course Outcome:

CO1	Learn Fundamentals of R.
CO2	Covers how to use different functions in R, how to read data into R, accessing R packages.
CO3	Writing R functions, debugging, and organizing data using R functions.
CO4	Cover the Basics of statistical data analysis with examples.
CO5	The whole syllabus will give an idea to collect, compile and visualize data using statistical functions.

Q. No.		Questions	Marks	CO	BL	PI
1	a	Define matrix in brief ?	4	CO1	L2	1.3.1
1	b	Explain descriptive statistics in details ?	8	CO2	L2	1.3.1
1	c	Define function in R ; and explain all the different ways to write function ?	8	CO3	L2	1.3.1
1	d	Describe pie chart and 3D pie chart with example ?	8	CO3	L1	2.1.2
2	a	Define dataframe ?	4	CO2	L3	2.1.3
2	b	Explain histogram in details with example ?	8	CO4	L2	1.3.1
2	c	Write a short notes on Melt() and cast() function in details ?	8	CO5	L2	1.3.1
2	d	Explain : a) min() b) max() c) tail() d) edit() e) str() ?	8	CO2	L3	2.1.3