

BIRLA INSTITUTE OF TECHNOLOGY, MESRA, RANCHI
(MID SEMESTER EXAMINATION SP/2025)

CLASS: BBA
BRANCH: BBA

SEMESTER : VI
SESSION : SP/2025

SUBJECT: MT334 DATA SCIENCE USING R

TIME: 02 Hours

FULL MARKS: 25

INSTRUCTIONS:

1. The question paper contains 5 questions each of 5 marks and total 25 marks.
2. Attempt all questions.
3. The missing data, if any, may be assumed suitably.
4. Tables/Data handbook/Graph paper etc., if applicable, will be supplied to the candidates

		CO	BL
Q.1(a)	Describe the key features of R programming language.	[2]	1 2
Q.1(b)	Define a data type and list the various data types available in R	[3]	1 1
Q.2(a)	Explain while control structure in R programming with an example.	[2]	1 2
Q.2(b)	Differentiate between break and next statements in R loops.	[3]	1 4
Q.3(a)	List the various measures of Central Tendency in R.	[2]	2 1
Q.3(b)	Define skewness. Differentiate between positive and negative skewness.	[3]	2 4
Q.4(a)	Explain the purpose of a summary table in R.	[2]	2 2
Q.4(b)	Write code in R to create a contingency table.	[3]	2 6
Q.5(a)	Explain the concept of a histogram and its role in one-dimensional data analysis in R.	[2]	2 2
Q.5(b)	Differentiate between Bar Plot and Pie Chart.	[3]	2 4

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