**Code No: R20A7204** 

## MALLA REDDY COLLEGE OF ENGINEERING & TECHNOLOGY

(Autonomous Institution – UGC, Govt. of India)

## III B.Tech I Semester Supplementary Examinations, June/July- 2024 R Programming

(B.Tech-AIDS)

Roll No					

Time: 3 hours Max. Marks: 70

**Note:** This question paper Consists of 5 Sections. Answer **FIVE** Questions, Choosing ONE Question from each SECTION and each Question carries 14 marks.

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		<u>SECTION-I</u>	
1	$\boldsymbol{A}$	What are the variables in R programming? Illustrate the different methods of	[ <b>7M</b> ]
		variable assignment	
	$\boldsymbol{B}$	Write a R Program to find sum, mean and product of vector	[ <b>7M</b> ]
		OR	
2	$\boldsymbol{A}$	What is R. Write the features of R.	[ <b>7M</b> ]
	$\boldsymbol{B}$	Write a R Program to create and name a vector	[ <b>7M</b> ]
		SECTION-II	
3	$\boldsymbol{A}$	Discuss about Arithematic and Relational operators with example	[ <b>7M</b> ]
	B	Write R program to find reverse of a given number	[ <b>7M</b> ]
		OR	
4	$\boldsymbol{A}$	Explain loop control statements in detail?	[ <b>7M</b> ]
	B	Write R program to find the greatest of three numbers?	[ <b>7M</b> ]
		SECTION-III	
5	$\boldsymbol{A}$	Discuss about factor levels with an example?	[ <b>7M</b> ]
	B	Explain merging lists with an example program?	[ <b>7M</b> ]
		OR	
6	A	Illustrate how to extract data from Dataframes	[7M]
	B	Write a R Program to access the array elements?	[ <b>7M</b> ]
7	4	SECTION-IV	F#3 #1
7	A	Demonstrate split() and by() functions?	[7M]
	$\boldsymbol{B}$	Discuss how to extract subtable from table?	[ <b>7M</b> ]
0	4	OR	[#N #1
8	A	What is a factor? Explain about lapply() function?	[7M]
	B	Explain aggregate() and cut() functions in table	[ <b>7M</b> ]
9	$\boldsymbol{A}$	SECTION-V Define Arithmetic and Realess Operators and its Values	[7](1)
9	B	Define Arithmetic and Boolean Operators and its Values  What are the default values for the arguments? Give example?	[7M]
	D	What are the default values for the arguments? Give example?  OR	[ <b>7</b> M]
10	$\boldsymbol{A}$	Write about functions as objects and how to return a value of a function	[7M]
10	$\stackrel{A}{B}$	Explain looping over the nonvector set with an example?	[7M]
	D	***	[/141]