Course Code: 2010501   Roll No: MLRS- R20

MARRI LAXMAN REDDY
INSTITUTE OF TECHNOLOGY AND MANAGEMENT
(AN AUTONOMOUS INSTITUTION)
(Approved by AICTE, New Delhi & Affiliated to JNTUH, Hyderabad)
Accredited by NBA and NAAC with 'A' Grade & Recognized Under Section2(f) & 12(B)of the UGC act,1956

MLRS

I B.Tech I Sem Supply Examination, December 2021
Programming for Problem Solving
(Common to all branches)

Time: 3 Hours.   Max. Marks: 70

Note: 1. Answer any FIVE questions.
      2. Each question carries 14 marks and may have a, b as sub questions.

1	a)	Outline the structure of C program.	7M	CO1	BL3
	b)	Explain bit wise operators in C.	7M	CO1	BL2
2	a)	What is flow chart? Explain basic symbols used in flow chart?	7M	CO1	BL1
	b)	Write an algorithm to find max number from given three numbers.	7M	CO1	BL6
3	a)	Discuss switch-case- default statement.	7M	CO2	BL5
	b)	Write the code to print 100 natural numbers using while statement.	7M	CO2	BL6
4	a)	Define array and explain its syntax for declaration and initialization.	7M	CO2	BL2
	b)	Define pointer and Explain its declaration and operations on pointer.	7M	CO3	BL1
5	a)	Compare structure Vs Union.	7M	CO3	BL5
	b)	Explain predefine functions to handle different operations on strings.	7M	CO3	BL3
6	a)	Define function and explain its signature with an example.	7M	CO4	BL2
	b)	Write a function to find the area of circle by taking radius as parameter and return area.	7M	CO4	BL6
7	a)	List and explain dynamic memory allocation functions.	7M	CO4	BL1
	b)	Explain different file positioning functions.	7M	CO5	BL2
8	a)	Explain file output functions in C.	7M	CO5	BL3
	b)	Give C code to copy one file into another file.	7M	CO5	BL4

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