Course Code: 1930514

Roll No:

MLRS-R19



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

II B.Tech I Sem Supplementary Examination, July-2022

Object Oriented Programming using C++

(CSE & IT)

Time: 3 Hours.Note: 1. Answer any FIVE questions.

Max. Marks: 70

2. Each question carries 14 marks and may have a, b as sub questions.

1	a)	Discuss about the differences between Object Oriented Programming and procedural oriented programming.	7M	CO1	BL3
	b)	Explain how dynamic memory allocation works in C++.	7M	C01	BL2
2		Write about various Object Oriented Programming concepts?	14M	CO1	BL2
3	a)	What is class? Explain the structure of a class in C++.	7M	CO2	BL1
	b)	Write about constructor and destructors in C++.	7M	CO2	BL2
4		Discuss about the friend function and its advantages with suitable example in C++.	14M	C02	BL3
5	a)	Write about the use of constructors in base and derived classes.	7M	CO3	BL2
	b)	Explain the concept of virtual destructor in C++.	7M	C03	BL2
6		What is virtual function? Write an example in C++ for virtual function.	14M	C03	BL3
7	a)	Write about various IOS format functions with suitable examples.	7M	CO4	BL2
	b)	Explain how to handle errors during file operations.	7M	CO4	BL3
8		Write an example code in C++ to illustrate to catch all exceptions and rethrowing an exception.	14M	CO5	BL3