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•	LAM TECHNOLOGICAL UNIVE	The state of the s
Fifth Semester B.Tech Deg	gree (S,FE) Examination January 2023	3 (2013 spheme)
		CHERUTHURY

## Course Code: MR363 Course Name: OBJECT ORIENTED PROGRAMMING

Max. Marks: 100 **Duration: 3 Hours** PART A Answer all questions, each carries 5 marks. 1 How a const function helpful in C++ program? 5 2 Compare local class and nested class with syntax 3 Illustrate the use of explicit constructor 5 4 Compare any two type of try- catch paradigm 5 How can you prevent by creating multiple base classes in hybrid inheritance? 5 6 Define RTTI with an Example. 5 7 How a file I/O operation can be done with C++. Explain its steps 5 8 Explain the use of namespace. 5 PART B Answer any three questions, each carries 10 marks. 9 Write the use of Friend Function. Write down its syntax. Apply friend function for accessing members of a Class with an Example. 10 Write a program to find sum of squares of first N odd Number 10 11 Differentiate constructor and destructor with proper examples. 10 12 Explain binary operator overloading with member function 10 Elaborate the usage of exception specification with suitable example 13 10 PART C Answer any two questions, each carries 15 marks. 14 a) Explain different type of inheritance with real-time example. 10 What is the need of abstract class in C++? 5

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15	a) List out the different types of polymorphism available in C++.		3
	b)	Compare function overloading and function overriding with an example.	8
	(c)	What is the process of dynamic casting?	4
16	a)	Explain how serialization objects achieved in C++?	9
	b)	Illustrate the file handling using file streams.	6
17	a)	How many ways a namespace can be added to the program?	7
	b)	List and explain any 5 manipulator function in C++.	8