Code No: P21CIT01

HALL TICKET NUMBER

PACE INSTITUTE OF TECHNOLOGY & SCIENCES::ONGOLE
(AUTONOMOUS)
II B.TECH I SEMESTER END REGULAR EXAMINATIONS, JAN - 2023
OBJECT ORIENTED PROGRAMMING THROUGH C++
(CSIT BRANCH)

Time: 3 hours   Max. Marks: 70

Answer all the questions from each UNIT (5X14=70M)

Q.No.		Questions	Marks	CO	KL
		UNIT-I			
1.	a)	Discuss about Key Concepts of Object Oriented Programming	[7M]	1	
	b)	What are the Disadvantage of Conventional Programming	[7M]	1	
		OR			
2.	a)	Advantages of Object Oriented Programming	[7M]	1	
	b)	Conventional Programming Vs Object Oriented Programming	[7M]	1	
		UNIT-II			
3.	a)	Demonstrate with one example of function overloading in C++	[7M]	2	
	b)	Defining the constructor with in the class with suitable example	[7M]	2	
		OR			
4.	a)	Discuss about Access Specifiers and their Scope in C++	[7M]	2	
	b)	Defining the constructor outside the class with suitable example	[7M]	2	
		UNIT-III			
5.	a)	Write a C++ Program to show unary operator overloading	[7M]	3	
	b)	Discuss about Abstract class with example program	[7M]	3	
		OR			
6.	a)	Write a C++ Program to show binary operator overloading	[7M]	3	
	b)	Write a C++ program to demonstrate accessing of data members	[7M]	3	
		UNIT-IV			
7.	a)	How to understand **this** Pointer and what is the importance of it	[7M]	4	
	b)	Define Virtual function and give list of rules for Virtual function	[7M]	4	
		OR			
8.	a)	Give one example to understand the concept of pointer to a class	[7M]	4	
	b)	Why do you need Virtual function in C++	[7M]	4	
		UNIT-V			
9.	a)	Difference between Templates and Macros	[7M]	5	
	b)	Write a C++ Program for Exception Handling with Multiple Catch	[7M]	5	
		OR			
10.	a)	Write a C++ program using try, throw and catch statements	[7M]	5	
	b)	Discuss Over Loading of Template Function in C++	[7M]	5	

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