

Code No: P21CIT01

HALL TICKET NUMBER

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PACE INSTITUTE OF TECHNOLOGY & SCIENCES::ONGOLE
(AUTONOMOUS)

II B.TECH I SEMESTER END SUPPLEMENTARY EXAMINATIONS, MARCH/APRIL - 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) Conventional Programming Vs Object Oriented Programming	[7M]	1	
	b) Discuss about Key Concepts of Object Oriented Programming	[7M]	1	
OR				
2.	a) Write advantages of Object Oriented Programming	[7M]	1	
	b) What are the Disadvantage of Conventional Programming	[7M]	1	
UNIT-II				
3.	a) Demonstrate with one example of Nested class in C++	[7M]	2	
	b) Define the constructor with in the class with suitable example	[7M]	2	
OR				
4.	a) Discuss about Parameterized Constructor in C++	[7M]	2	
	b) Define the constructor with in arguments with suitable example	[7M]	2	
UNIT-III				
5.	a) Write a C++ Program to show unary operator overloading	[7M]	3	
	b) Discuss about Overloading Assignment Operator with example program	[7M]	3	
OR				
6.	a) Write a C++ Program to show Multiple Inheritance	[7M]	3	
	b) Write a C++ program to define member function with argument outside the class	[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 Derived Classes	[7M]	4	
	b) Why do you need Virtual Destructor in C++	[7M]	4	
UNIT-V				
9.	a) Write a C++ program using try, throw and catch statements	[7M]	5	
	b) What are the Principles of Exception Handling	[7M]	5	
OR				
10.	a) Write Difference between templates and Macros	[7M]	5	
	b) Write a C++ Program for Bubble Sort Using Function Templates	[7M]	5	
