

Code No: P21ITT01

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
OOP THROUGH C++
(IT 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) Compare and Contrast between C and C++	[7M]	1	
	b) Discuss about Structures and Enumerations.	[7M]	1	
OR				
2.	a) Explain Returning Values from Functions with example.	[7M]	1	
	b) Discuss about Scope and Storage Class with an example.	[7M]	1	
UNIT-II				
3.	a) Illustrate the C++ Objects in detail.	[7M]	2	
	b) What is a Constructor? Explain different types of constructors with an example.	[7M]	2	
OR				
4.	a) Illustrate constant member functions and constant objects.	[7M]	2	
	b) Discuss about the Standard C++ String Class.	[7M]	2	
UNIT-III				
5.	a) What is an operator function? Write a C++ program to overload Binary operators.	[7M]	3	
	b) Write a C++ program to implement single inheritance.	[7M]	3	
OR				
6.	a) Explain about Class Hierarchies.	[7M]	3	
	b) Discuss about Levels of inheritance with an example.	[7M]	3	
UNIT-IV				
7.	a) Discuss about Pointers to Functions with an example.	[7M]	4	
	b) Illustrate Static function with an example program.	[7M]	4	
OR				
8.	a) Explain the concept of Pointers to Arrays with suitable program.	[7M]	4	
	b) Discuss about THIS pointer with an example program.	[7M]	4	
UNIT-V				
9.	a) Explain different types of Stream Errors with example.	[7M]	5	
	b) Discuss about Multiple Throws and Catches.	[7M]	5	
OR				
10.	a) Explain Exception handling and Types of Exceptions.	[7M]	5	
	b) Discuss about Function and Class Templates.	[7M]	5	
