

Code No: P21ITT01

HALL TICKET NUMBER

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PACE INSTITUTE OF TECHNOLOGY & SCIENCES::ONGOLE
(AUTONOMOUS)
II B.TECH I SEMESTER END REGULAR EXAMINATIONS, JAN - 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) What is function overloading? Write a C++ program to implement function overloading.	[7M]	1	2
	b) Describe the Need for Object Oriented Programming in detail.	[7M]	1	3
OR				
2.	a) Explain about Default arguments.	[7M]	1	2
	b) Discuss Const Function Arguments with an example.	[7M]	1	3
UNIT-II				
3.	a) What is a Copy Constructor? Explain constructor overloading with an example.	[7M]	2	3
	b) Discuss about C++ objects as a Data types.	[7M]	2	3
OR				
4.	a) Explain Objects as Function Arguments with an example.	[7M]	2	3
	b) Discuss about Data Array of Objects.	[7M]	2	3
UNIT-III				
5.	a) What is Operator Overloading? Write a C++ program to overload Arithmetic operators.	[7M]	3	3
	b) Explain about multiple inheritance with an example.	[7M]	3	3
OR				
6.	a) Discuss about explicit and mutable keywords.	[7M]	3	3
	b) Explain Containership with example	[7M]	3	3
UNIT-IV				
7.	a) Write a C++ program to implement virtual Function.	[7M]	4	3
	b) Explain the operator overloading through friend functions with an example.	[7M]	4	3
OR				
8.	a) Explain Pointers to Objects with an example.	[7M]	4	2
	b) Discuss about Dynamic Type Information.	[7M]	4	3
UNIT-V				
9.	a) Explain the Exception handling keywords with an example.	[7M]	5	3
	b) Write a C++ program to implement Stack using Class Templates.	[7M]	5	2
OR				
10.	a) Explain Uncaught exception with example.	[7M]	5	2
	b) Explain Function Template? Write a C++ program to implement sorting using function templates.	[7M]	5	2
