

Code No: P18ITT01

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HALL TICKET NUMBER

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

II B.TECH I SEMESTER END REGULAR/SUPPLEMENTARY EXAMINATIONS, JAN - 2023
OBJECT ORIENTED PROGRAMMING THROUGH C++
(IT Branch)

Time: 3 hours

Max. Marks: 60

Note: Question Paper consists of Two parts (Part-A and Part-B)

PART-A

Answer all the questions in Part-A (5X2=10M)

Q.No.	Questions	Marks	CO	KL
1	a) Define Recursion in C++	[2M]	1	
	b) What are the Characteristics of Copy Constructor	[2M]	2	
	c) Define Hybrid Inheritance and Write Syntax of Hybrid Inheritance	[2M]	3	
	d) Virtual Function Vs Friend Function	[2M]	4	
	e) Give a Simple Program for Nested Try Blocks	[2M]	5	

PART-B

Answer One Question from each UNIT (5X10=50M)

Q.No.	Questions	Marks	CO	KL
UNIT-I				
2.	a) Write a short note of Comparison between C and C++	[5M]	1	
	b) Write A C++ Program to demonstrate Call by Value	[5M]	1	
OR				
3.	a) Define Inline Function and List out advantages of Inline Function	[5M]	1	
	b) Write a C++ Program to demonstrate Call by reference	[5M]	1	
UNIT-II				
4.	a) Write a C++ Program to demonstrate accessing of data members	[5M]	2	
	b) Write a C++ Program to demonstrate function with parameters	[5M]	2	
OR				
5.	a) Write a C++ Program to print a name using Scope Resolution operator	[5M]	2	
	b) Write a C++ Program to demonstrate array as class member data	[5M]	2	
UNIT-III				
6.	a) Write a C++ Program for Unary operator overloading	[5M]	3	
	b) Discuss about different types of Inheritance	[5M]	3	
OR				
7.	a) Write a C++ Program for Binary operator overloading	[5M]	3	
	b) Discuss about Public and Private Inheritance	[5M]	3	
UNIT-IV				
8.	a) What is a pointer to an object in C++, explain with example program	[5M]	4	
	b) Copy Constructor vs Assignment Operator in C++	[5M]	4	
OR				
9.	a) Difference between static and constant function in C++	[5M]	4	
	b) Write a C++ Program using THIS Pointer When local variable's name is same as member's name	[5M]	4	
UNIT-V				

10.	a)	Discuss about istream and ostream with example programs	[5M]	5	
	b)	Discuss about Multiple Catch blocks with one example	[5M]	5	
OR					
11.	a)	Discuss about C++ Standard Error Stream	[5M]	5	
	b)	How to deal about Uncaught exceptions	[5M]	5	
