End-Term Examination (CBCS)(SUBJECTIVE TYPE)(OffLine) (B.Tech IT) (4th Sem) (April -May, 2024)

	Subject: Object Oriented	Programming	1	
Subject	t Code: BIT-204	Maximum Marks :60		
Time :	A Code: BIT-204 3 Hours Q1. is compulsory. Attempt one question each from the Units I, II	, III & IV.		
Note;	Q1. is compulsory. Attempt one que			
/	. (5	X4=20)		
61	In C++, the value of a comma-separated list of expression	is is the		
	In C++, the value of a comma-separate list of expression in C++, the value of a comma-separate list of expression value of the right-most expression. Following this, what is output of the following program? Justify your answer. #include <iostream></iostream>	s the		
	using namespace std;			
	int main() { int i, j;			
	j = 10; i = (j++, j+100, 999+j);			
	cout << i;			
	return 0; (b) Write a C++ program to find minimum of two number	s using an		
	inling function			
	Explain the following characteristics of Java: 1) Java is secure	2) Java is		
1	portable. (d) Differentiate between abstract class and interface in jav			
	suitable program examples.			
	UNIT-I			
Q2	a) Write a c++ program to accept any 20 positive numbers and find the sum of even numbers and sum of odd numbers.	(6,4)		
	b) What is typecasting? Demonstrate through a program - explicit and implicit type conversions.			
93	a) Explain any 5 characteristics of object-oriented	(5,5)		
	b) Write a C++ program to square an integer value using 1) Call by pointers 2) Call by reference.			
	UNIT-II			
Q4	 a) Write a C++ operator overloading program where (++) operator increments the value by 20. b) Why is copy constructor used? Write a small C++ program to demonstrate the usage of copy constructor. 	(6,4)		
ca	write a C++ program to show the order of constructor write a C++ program to show the order of constructor wills in Multiple Inheritance utilizing parameterized onstructors. b) Write a C++ program to demonstrate the usage of cotected access specifier.	(7,3)		

	UNIT-III	AND DES	of the latest and the
Q6	Write a C++ program that reads a text file and finds the number of characters, words and lines in a file.	(10)	
07	Explain the role of exception handling in C++ through a neat diagram. Write a C++ program to show multiple catch blocks for a single try block.	(10)	
	UNIT-IV		187000000000000000000000000000000000000
QS	a) Explain with small programs: 1) Packages in Java 2) Multi-threaded programing in Java	(5,5)	
Q9	a) Write a Java program to demonstrate multilevel inheritance utilizing super keyword to call superclass constructors.	(10)	