ANNA UNIVERSITY COIMBATORE			PART – B		
B.E. / B.TECH. DEGREE EXAMINATIONS : JUNE 2009			(5 x 12 = 60 MARKS)		
	REGULATIONS - 2007			ANSWER ANY FIVE QUESTIONS	
	FOURTH SEMESTER				
070230004 – OBJECT ORIENTED PROGRAMMING		21	a)	Explain various control statements in C++.	(6)
	(COMMON TO CSE / IT)		b)	List the different operators available in C++ with their level of priorities	(6)
TIME	: 3 Hours Max.Marks : 100				
	PART – A	22.	a)	Write a program to illustrate class declaration, definition and accessing class	s (6)
	(20 x 2 = 40 MARKS) ANSWER ALL QUESTIONS			members What is a Constructor ? What are the characteristics of constructor functions? Give one example in C++	tor (6)
1.	Define an object with respect to its identity.		b)		
2.	Give one example for data abstraction.				
3.	List any four advantages of OOPS over traditional structured programming.			What is operator overloading? Write at least four rules for Operator overloading.	
4.	List out the five basic data types in C++.	23.			r (12)
5.	Differentiate array and structure.				
6.	Enumerate any two advantages of Inline functions.				
7.	Write a C++ program to represent function overloading.	24.	a)		(6)
8.	Write down the syntax and usage of a 'Friend function'.		b)	Explain multilevel inheritance with one programming example in C++	(6)
9.	List out any two operators that cannot be overloaded.	25.		Write short notes on virtual base class with suitable example	(12)
10.	Give the uses of 'new' and 'delete' operators.	20.			
11.	Categorize the types of polymorphism.	26	2)	Write a C++ program to swap two character type values, two integer type values and two float type values using Function Templates.	(6)
12.	State the difference between a non-virtual c++ member function and a virtual	20.			(0)
13.	member function Discuss any one limitation of inheriting more than one base class.			List the steps involved in throwing an exception through out the class	(6)
14.	Give the restriction in overloading of generic function.		0)		
15.	Define Exception with respect to one example	27.		How does Uncaught Exception handling carry out ? Explain with an example program code Write a program in C++ to transfer contents of one file to another	(6)
16.	When does terminate() function call carry out ?				(6)
17.	Define file. List out the file operations.				
18.	List out different File Modes in C++.			Trace the application of any four type casting operators over a file access program written in C++	(12)
19.	How does Console I/O handling carry out in C++ ?	28.			
20.	List out the functions used for Random access.				
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