B.E. Fourth Semester (Information Technology) (CGS)

P. Pages: 2 Time: Three Hours									
	Note	s: 1. 2.		•	•		the help of neat sketches. for writing book.		
1.	A)	What	erties of constructor.	6					
	B)	to rea	d and p		oject. Also inc	clude	a feets and inches. Include member fur a member function to add two distant add (distance)		
						0	R		
2.	A)	Defin	e					8	
		a) (Object			b)	Class		
		c) I	nherita	ance		d)	Polymorphism		
	B)	Write a C++ program to illustrate the concept of static class data.							
3.	A)	What do you mean by pitfall of operator overloading? List the different pitfalls overloading.						perator 6	
	B)	Define a class student having two data members name and roll no. Include member functions to read and print student object. List this class by writing a main () to read and print several student class objects by using the concept of array of pointers to objects.							
						o	R		
4.	A)	Write	a C++	program to illu	ıstrate conver	rsion	of user defined data type to basic type	. 7	
	B)	List the different member functions for string modification. Explain any two of them.							
5.	 A) Write a C++ program to illustrate the order of constructor calling in n inheritance. 						constructor calling in multilevel	6	
	B)		do you inershi		ainership? W	rite a	C++ program to illustrate the concept	of 7	
						0	R		
6.	A)	Assur	me a cl	ass counter whi	ch has a cour	nt dat	a member and member functions to ret		

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value of count and overloaded operator ++ to increment the value of count. Obtain a class

derived from counter which provides the definition of overloaded operator.

Explain the different types of inheritance supported by C++

7.	A)	Explain									
		a) Abstract class b) Virtual base class									
	B)	What do you mean by static class function? Write a C++ program to illustrate the concept of static class function.									
		OR									
8.	A)	Friend function can be used to increase the versatility of overloaded operators. Justify this statement with an example.									
	B)	Define	8								
		a) Virtual function									
		b) Pure virtual function									
		c) This painter									
		d) Copy initialization									
9.	A)	List the diff ⁿ forms of file I/O. Write a C++ program which writes data to a file using character I/O.	7								
	B)	Explain	6								
		1) Command line arguments									
		2) Formatting flogs									
		OR									
10.	A)	Write a C++ program which stores an array of integers to a file named binary, dat. The program them should read the array from the file and write the integer numbers to standard O/P using binary i/o	8								
	B)	What do you mean by a stream? Explain the different stream classes.	5								
11.	A)	Write a function template search which can search an array for a particular value end returns the index if the value is present, otherwise it should return-1	8								
	B)	Explain	5								
		a) Containers b) Iterators									
	OR										
12.	A)	Define a class template stack which can be used for storing elements of generic type.									
	B)	Write a C++ program to put values in a vector container and display its contents.									

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