

Seat No.:	
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TO-112

B.C.A. Sem.-III May-2013

CC-203: Object Oriented Concepts and Programming

			CC-203. Object Oriented Concepts and Frogramming		
Time: 3 Hours]			[Max. Marks:	[Max. Marks : 70	
1.	(A)	(1)	Differentiate procedure oriented and object oriented programming.	3	
		(2)	Explain inline function with its limitations.	4	
			OR		
		(1)	Differentiate C and C++.	3	
		(2)	Explain: 'Reference variable as function return type and argument'.	4	
	(B)	-	lain function overloading with example. Write difference between function cloading and overriding.	1 7	
			OR		
		Exp	lain Class and Object with memory structure and access specifier.		
2.	(A)	Exp	lain friend function with its features and example.	7	
			OR		
		Exp	lain constructor with its characteristic and types.		
	(B)	-	lain dynamic memory allocation and deallocation operators with its syntax and erentiate dynamic memory management and static memory management.	l 7	
			OR		
		Exp	lain: 1. Namespace 2.set_new_handler function.		
3.	(A)	Exp	lain: "Types of Inheritance".	7	
			OR		
		Write advantages of inheritance and explain inheritance using different a specifiers.			
	(B)	(1)	Write rules for virtual function.	7	
		(2)	Explain abstract class.		
			OR		
		Diff	Perentiate:		
		(1)	Early binding and Late binding.		
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		(2) Virtual function and Pure virtual function.	
4.	(A)	Write rules for operator overloading.	7
		OR	
		What is operator overloading? Explain unary operator overloading with example.	
	(B)	Write note on Type Conversion.	7
		OR	
		Explain class template with multiple parameters.	
5.	Atte	mpt following:	14
	(1)	What is difference between structure in C and C++?	
	(2)	What is use of Arrow operator?	
	(3)	Write importance of function prototyping.	
	(4)	Write definition of class.	
	(5)	What is enclosing class?	
	(6)	What is bad_alloc?	
	(7)	What is use of destructor?	
	(8)	Write benefits of encapsulation.	
	(9)	What is use of virtual function?	
	(10)	What is benefit of function template?	
	(11)	Which operators cannot be overloaded?	
	(12)	Inheritance implements relationship.	
	(13)	How many parameters are required to overload binary operator using frienfunction?	d
	(14)	Which constructor invoked first from the base and derived class constructors?	

TO-112 2