1. sem - 3



Seat No.: 158

DC-102

December-2022

B.C.A., Sem.-III

CC-203: Object Oriented Concepts and Programming

11		Hours] [Max. Marks	: 70	
1.	Write the following.			
	(1)	What is Arrow Operator? Explain with example.		
	(2)	How to define the finest	7	
		How to define the function outside the class body? Explain with example. OR	7	
	(1)	Write a short note on Dec.		
	(2)	Write a short note on Default Arguments in C++.	7	
		Write a short note on Function Overloading in C++.	7	
2.	Write the following:			
	(1)			
	(2)	Explain dynamic memory allocation and de-allocation in C++ with example. What is Constructor? Explain the characteristics of it in detail.	7	
		Construction of it in detail.	7	
	(1)-	Explain Friend Member Function with example.		
	(2)	Explain Nested Classes in brief.	7	
		Committee over localing is unter the profession and the Committee over the profession and the committee over the profession and the committee over	7	
3.	Write the following:			
	(1)	Explain virtual destructor with example.		
	(2)	Explain the multiple inheritance with example.		
		OD	7	
	(1)	Differentiate the Compile-time Polymorphism and Run-time Polymorphism.		
	(2)	What is virtual base class? Explain with example.	7	
	(-)	William is virtual base class i Explain with example.	19 1	
4.	Write the following:			
	(1)		7	
	(2)			
	(-)	example.	7	
		OR		
	(1)	(1) How to concatenate two string by overloading binary '+' operator ? Explain in		
	(-)	brief.	7	
	(2)		7	
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5. Answer the following: (any seven)				
(1) POP is stands for	-4			
(a) Procedure Oriented Progr	ramming ·			
(b) Procedure Object-oriente	d Programming			
(2) A destructor can take any numb	 (2) A destructor can take any number of arguments. (True/False) (3) Templates are used for generic programming. (True/False) (4) Function overriding is used to achieve runtime polymorphism. (True/False) 			
(3) Templates are used for generic				
(4) Function overriding is used to a				
(5) A copy constructor can take	argument(s).			
(a) one	(b) two			
(c) zero	(d) any no. of			
(7) If a function contains a loop, it can (8) What is Inheritance in C++? (a) Deriving a new class from (b) Wrapping of data into a single	existing class. gle class.			
By default, all the files in C++ are (a) binary	opened in mode. (b) text			
(3) Compile time	polymorphism.			
(11) Which of the following is correct so of an existing integer variable?	syntax, if we want to create a reference variable			
(a) int x=5; int y=&x (c) int x=5; int &y=&x	(b) int x=5; int &y=x;			
(12) The conditional (?:) operator cannot	(d) int x=5; int y=&&x t be overloaded. (True/False)			