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# DC-101

### December-2018

## B.C.A., Sem.-III

# CC-203: Object Oriented Concepts and Programming (New Course)

0 Ho	ours] [Max. Marks : 70
(1)	What is Arrow Operator? Explain with example 7
(2)	How to define the Function outside the class body? Explain with example.7
	OR
(1)	Write a short-note on Default Arguments in C++.
(2)	Write a short-note on Function Overloading in C++.
Ans	swer the following: (Any four)
(1)	Give the full from of POP.
(2)	and about deticity.
(3)	go o the comments at Co. 1 Of the strain of the co.
(4)	The street of the court of the parties of the parti
(5)	C++? Define Class.
(6)	
	(a) object (b) variable
	(c) keyword (d) None of these
(1) (2)	Explain Dynamic Memory Allocation and De-allocation in C++ with example.  What is Constructor? Explain the characteristics of it in detail.
	OR ·
1)	Explain Friend Member Function with example.
2)	What is static member function? Explain with example.
Ansv	ver the following: (Any four)
1)	What is namespace in C++?
2)	A constructor that has zero parameter lists is called
	(a) Default Constructor (b) Parameterized Constructor
	(c) Copy Constructor (d) None of these
;)	What is 'Memory leakage' problem?
;)	What is Constant member function?
)	What is Destructor?
``	What is Mutable data member?
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Explain Virtual destructor with example. ) (1) Explain the Hybrid Inheritance with example. (2) Give the difference between Compile-time Polymorphism and Run-(1)(2) What is Virtual Base class? Explain with example. ) Answer the following: (Any three) Define Inheritance. (1) What is Abstract class? (2) Define VTBL. (3) What is function overriding? (4) What is Polymorphism? (5) ) (1) How to convert a data of basic type to class type? Explain with example. (2) Write a simple program to demonstrate class template. OR (1)Write a program to concatenate two string by overloading binary '+' operate (2) Explain the function template with multiple parameters using example. Answer the following: (Any three) What is the purpose of istream and ostream class? (1)What is the use of put() function for text mode output operation? (2) Define the get() and getline() functions for text mode input operations? (3) What is class template? (4) Operator overloading is a/an (5) polymorphism. compile time run time **(b)** (c) executable (d) None of these