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A		Reg. No.:							
		Question Pap	er Co	de: 930	C04				
	B.I	E. / B.Tech. DEGREE	EXAMI	NATIO	N, NO	V 2022			
		Third	d Semest	er					
		Computer Science	e and Bu	isiness S	System				
		19UCB304 - Objec	t Oriente	ed Progr	rammin	ıg			
		(Regu	lation 20)19)					
Dur	ration: Three hours					Ma	aximum	: 100 Ma	arks
		Answer A	ALL Que	estions					
		PART A - (1	$0 \times 1 = 1$	10 Mark	as)				
1.								CO3-	- Ana
	int main() { int a, b=20; a = 90/b; return 0;								
	} (a) 4	(b) 4.5	(c) 5	, 1		(d) e	rror		
2.	Which of the following approach is followed by the c++					` `		CC)1- U
	(a) top-down	(b) top-bottom	·	bottom	ı-up	((d) Procedural		

(c) Public

(c) 0

(b) constructor overloading

(c) 3

(b) Virtual Function (c) Constant Function

CO1- U

CO2- U

CO1- U

CO1- U

CO1- U

(d) Friend Function

(d) Any number

(d) Static

(d) 3

The member in class by default are

(b) Private

Which one of the following is not a member of the class?

How many parameters does a default constructor require?

Function overloading is also similar to which of the following?

(b) 2

(b) 2

How many Destructors are allowed in a Class?

(a) Protected

(a) 1

(a) 1

(a) Static Function

(a) operator overloading

4.

	(c) destructor overloading			(d) function					
8.	Virtual functions are mainly used to achieve						O1- U		
	(a) Compile time polymorphism		(b) Interpre	sm					
	(c) Runtime polymorphism		(d) Function	orphism					
9.	Which of the following is used for generic programming?				C	O1- U			
	(a) Virtual functions (b) Modules			(c) Templates	ostract Classes				
10.	Which keyword is used to throw an exception?				C	O1- U			
	(a) t	ry	(b) throw	(c) throws	(d) except				
			PART –	B (5 x 2= 10 Marks)					
11.	Compare classification of operators available in C++ CO3- A								
12.	Des	cribe Classes in C	CO1- U						
13.	Write program to implement constructor overloading.						CO3- U		
14.	What is operator overloading?						CO1- U		
15.	Distinguish between the terms class template and template class.					CO3- Ana			
			PART	– C (5 x 16= 80 Mar	·ks)				
16.	(a)		different than pro	nted programming a ocedure oriented prog Or	•	CO1- U	(16)		
	(b)	Explain the Cont	rol structures in	C++ with an example	es?	CO1- U	(16)		
17.	(a) Identify the concepts of function prototyping and inline function with appropriate C++ program. Or					CO2- Ana	(16)		
	(b) Explain about the Arrays of Objects, Objects as Function Arguments and Friend Functions with example program.					CO2 -Ana	(16)		
18.	(a)	many types of constructor? Write program to implement the copy constructor.					(16)		
	(b)	inheritances in	checker of the checke	Or the syntax and rule an you pass parar nultiple inheritances	neters to the	CO3- Ana	(16)		

19. (a) Describe about virtual function and pure virtual function with CO3-Ana (16) example and Identify the use of Virtual function.

(b) Which operators cannot be overloaded? Write steps to overload + CO3- Ana operator so that it can add two complex numbers. Explain with example how can a function template be created.

- 20. (a) Explain with example how can a class template be created. CO1- U (16)
 Or
 - (b) Describe the concept of Template and its types with example. CO5- U (16)