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Reg. No. :					

Question Paper Code: 93C04

B.E. / B.Tech. DEGREE EXAMINATION, DEC 2021

Third Semester

Computer Science and Business System

		19UCB303 - Object (Oriented Programming			
		(Regulat	ion 2019)			
Dura	ation: Three hours			Maximum: 1	00 Marks	
		Answer AL	L Questions			
		PART A - (10	x 1 = 10 Marks			
1.	How much bytes are	occupied by int?			CO1- R	
	(a) 4	(b) 2	(c) 8	(d) 16		
2.	Which of the following	ng approach is followed	d by the c++		CO1- R	
	(a) top-down	(b) top-bottom	(c) bottom-up	(d) Procedu	ral	
3.	The member in class	by default are			CO1- U	
	(a) Protected	(b) Private	(c) Public	(d) Static		
4.	Which one of the following is not a member of the class?					
	(a) Static Function	(b) Virtual Function	(c) Constant Function	n (d) Friend	d Function	
5.	How many parameter	rs does a default constru	uctor require?		CO1- R	
	(a) 1	(b) 2	(c) 0	(d) 3		
6.	How many Destructo	rs are allowed in a Clas	ss?		CO1- U	
	(a) 1	(b) 2	(c) 3	(d) Any n	ıumber	
7.	Function overloading	s is also similar to which	h of the following?		CO1- R	
(a) operator overloading			(b) constructor overl	loading		
	(c) destructor overloa	ading	(d) function overload			
8.	Virtual functions are	mainly used to achieve	<u></u>		CO1- R	
	(a) Compile time poly	ymorphism	(b) Interpreter poly	ymorphism		
	(c) Runtime polymor	phism	(d) Functions code	polymorphism		

9.	Whi	Which of the following is used for generic programming?						
	(a) '	Virtual functions	(b) Modules	(c) Templates	(d) Ab	bstract Classes		
10.	Whi	ich keyword is use	ed to throw an ex	cception?		C	CO1- R	
	(a) t	ry	(b) throw	(c) throws	(d) except			
			PART -	$-B (5 \times 2 = 10 \text{ Max})$	rks)			
11.	Def	ine object oriented	l programming			C	O1- U	
12.								
13.	Wri	te program to imp		CO3- U				
14.								
15.	Distinguish between the terms class template and template class. CO3-							
			PART	$C - C (5 \times 16 = 80)$	Marks)			
16.	(a)	Explain the featu	re of Object ori	ented programmin	g in detail.	CO1- U	(16)	
				Or				
	(b)	Explain the Cont	rol structures in	C++ with an exam	mples?	CO1- U	(16)	
17.	(a)	Identify the conwith appropriate	-	on prototyping a	nd inline function	CO2- Ana	(16)	
				Or				
	(b)	Explain about th and Friend Func	-		inction Arguments	CO2 -Ana	(16)	
18.	(a)	•		constructors and dependence program to imple		CO2- Ana	(16)	
				Or				
	(b)	inheritances in C	++. How can your ase classes in m	e syntax and rules ou pass parameters ultiple inheritance	s to the	CO3- Ana	(16)	

(a) List the operators that cannot be overloaded and explain in detail about operator overloading with example.

Or

(b) Define polymorphism and Explain Virtual functions with example. CO4- App (16) Identify the difference between static & dynamic binding?
(a) Explain with example how can a class template be created. CO1- U (16)

Or

(b) What is exception handling? Explain types of exception handling CO5- U and explain suitable example. (16)