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Y-484-2019

FACULTY OF SCIENCE

B.Sc. (Second Year) (Third Semester) (Backlog) EXAMINATION NOVEMBER/DECEMBER, 2019

(CGPA Pattern)

COMPUTER SCIENCE

Paper VII

(Object Oriented Programming Using C++)

(MCQ & Theory)

(Tue	esday	, 17-12	-2019)	Time: 2.00 p.m. to 4.00 p.m.				
Time—2 Hours					Maximum Marks—40			
N.B.	:	(i) A	attempt all questions.					
		(ii) A	Assume suitable data, if	necessary				
			MC					
1.	Sele	ct the	correct answers for the fo	10				
	(<i>i</i>)	In C	In OPP, data is hidden and cannot be accessed by					
	13. 25. 25. 25. 25. 25. 25. 25. 25. 25. 25	(a)	External functions	(b)	Member functions			
THE WAY		(c)	Variables	(d)	Internal functions			
	(ii)		are the basic r	un time en	ntities in object oriented system.			
3, 1, 10 1, 0, 15		(a)	Variables	(<i>b</i>)	Objects			
		(c)	Class	(d)	Program			
	(iii)	D. W. W.	refers to the		epresenting essential features ills.			
		(a)	Polymorphism	(<i>b</i>)	Abstraction			
		(c)	Encapsulation	(d)	Dynamic Binding			

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WT			(2)		Y-484-2019		
	(iv)	means ability to take more than one form.					
		(a)	Abstraction	(b)	Encapsulation		
		(c)	Inheritance	(d)	Polymorphism		
	(v)	refer to the fames of variables, functions, arrays, classes					
		etc.					
		(a)	Objects	(b)	Class		
		(c)	Identifiers	(d)	Tokens		
	(vi)	are widely used in C++ for memory management and					
		to a	chieve polymorphism.				
		(a)	Tokens	(b)	Pointers		
		(c)	Functions	(d)	None of these		
	(vii)	Only can have access to the private data members and					
		private functions.					
		(a)	Member functions	(b)	Class and objects		
		(c)	Inline functions	(d)	None of these		
	(viii)	23.7. S	is called compile	time p	oolymorphism.		
	19 19 19 19 19 19 19 19 19 19 19 19 19 1	(a)	Operator Overloading	(b)	Dynamic Binding		
STATE OF		(c)	Casting	(d)	None of these		
	(ix)	When the properties of one class are inherited by more than one class,					
		it is called					
		(a)	Multiple Inheritance	(<i>b</i>)	Multilever Inheritance		
2000 C		(c)	Hierarchical Inheritance	(d)	None of these		
333	(x)	is one that is <i>not</i> used to create objects.					
	37.66	(a)	Abstract class	(<i>b</i>)	Class		
		(c)	Variable	(d)	None of these		

WT		(3)	Y-484-	-2019
		Theory		3001
2.	Expla	in in detail basic concepts of OOP.		10
		Or STATE		
	(a)	Explain structure of C++ program.		5.
	(<i>b</i>)	Explain function overloading with an example.		5
3.	(a)	Explain with example nesting of member functions.		5
	(<i>b</i>)	Explain copy constructor with an example.	2003 34 Y	5
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	(a)	Write C++ a program to find factorial of a given nur	mber.	5
	(<i>b</i>)	Explain operator overloading.	923 00 CF 17	5
4.	Write	a C++ program to demonstrate multiple inheritance.	6/2/2	10
		Or San		
	(a)	Explain opening and closing a file with an example.		5
	(<i>b</i>)	Explain destructor with an example.		5