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Rol	ll No	849	8492	
Pri	nted Pa	ages: 3		
		BT-4 / M-17		
	OBJ	ECT ORIENTED PROGRAMMING		
		Paper-CSE-202 N		
Time allowed: 3 hours] [Maximum marks			75	
Not		tempt five questions in all, selecting at least o estion from each unit.	ne	
		Unit-I		
1.	(a)	What are header files? How can you create yo own header file? Explain with an example.	our 5	
	(b)	What is the concept of namespace in C++? Explaits importance.	ain 5	
	(c)	What is encapsulation? How is it implemented C++?	in 5	
2.	(a)	Distinguish between compile-time and run-time polymorphism.	me 5	
	(b)	Explain the need of protected access specifier.	5	
	(c)	How can you access members of a class? Explative different ways.	ain 5	
		Unit-II		
3.	(a)	What is static data member? Explain its use wis suitable example.	ith 5	
	(b)	What is copy constructor ? Explain with		
		example.	5	
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	(c)	Explain dynamic memory allocation and deallocation in C++ by giving examples. 5
4.	(a)	What are derivations rules in C++? Explain. 5
	(b)	How can you pass parameters to parameterized constructor of base class? Explain with an example.
	(c)	What is multilevel inheritance? Give one example in C++.
		Unit-III
5.	(a).	What is virtual function? Explain the rules to override the virtual function.
	(b)	Explain the need of virtual destructor with an example. http://www.kuonline.in 5
	(c)	What is abstract class? How can you create it in C++? Give an example.
6.	(a)	What are rules to overload binary operator? Overload '<' operator to compare objects of Distance class. Distance is given in feet and inches. 7
	(b)	What are rules to overload unary operator? Overload '++' operator to increment day of Date class.
		Unit-IV
7.	(a)	What are function templates? Write a function template to find largest of three numbers.

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(b)	How can you limit a function to throw exceptions	?
	Explain with an example.	.7

- 8. (a) Distinguish between text and binary file. Explain different functions used for reading and writing a text file in C++.
 - (b) How can you create and access a random access file in C++? Explain with an example.