(i)	Pri	nted Pages: 2	Roll No
(ii)	Qu	estions : 9	Sub. Code: 0 9 2 2
			Exam. Code: 0 0 2 8
	Ba	achelor of Comp	outer Applications 2 nd Semester (2053)
	OBJI	ECT ORIENTE	D PROGRAMMING USING C++
		Pap	er: BCA-16-204
Tin	ie Al	lowed : Three H	ours] [Maximum Marks : 65
			uestion from each unit and compulsory
		Question No. 9.	
			UNIT—I
1.	(a)	Draw difference blanguage.	etween OOPS and traditional Programming 7
	(b)	Exemplify the st	ructure of C++ Program. 6
2.	(a)	Explain any three Polymorphism, e	main concepts of OOPS like Abstraction, tc. 7
	(b)	What are member examples.	ers? Explain Private and Public through
			UNIT—II
3.	(a)	What is function function and inlin	? When a function is accessed as "friend" ne function? Explain.
	(b)	Which are basic How are they co	data-types and user defined data-types? nverted vice-versa? Explain. 6

4.	(a)	What is array? How are arrays of objects created?	7		
	(b)	How are constructors and destructors created and use	d ?		
		Explain.	6		
		UNIT—III			
5.	(a)	Explain and exemplify various Privately and Publically deri- members in case of Single Inheritance.	ved 7		
	(b)	What are virtual functions? Exemplify. When are they cal	led		
		pure ? Explain.	6		
6.	(a)	Explain various types of Inheritance.	7		
	(b)	How do you carry out "Early" and "Late" binding to exec polymorphism? Explain.	ute 6		
		UNIT—IV			
7.	(a)	What is Exception ? How are they handled ? Explain.	7		
	(b)	How are various file operations executed for classe	s ?		
_		Explain.			
8.	(a)	Explain "Throwing" and "Catching" Mechanism exceptions.	7		
	(b)	Write a program to demonstrate Random file processi	ng.		
			6		
		UNIT—V			
9.	Explain:				
	(a)	Memory Management Operators.	3		
	(b)	Manipulators.	2		
	(c)	Static Members.	2		
	(d)	Type Conversion.	2		
	(e)	Nesting of classes.	2		
	(f)	Binding.	2		
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