THE BOUT Brand Ball No.

END TERM EXAMINATION

	MCAI NOVDEC 2010
Paper Code: BCA209	Subject: Object oriented programming Using C++
Time: 3 Hours	Subject: Object of the Programming Using CTT Maximum Marks: 75
Note: Ass	MOSTIMUM MUTAS: 78

Time: 3 Hours

Note: Attempt any five questions including Q.no.1 which is compulsory.

Select one question from each unit.

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Qı	Ar a)	nawer any five the following:-	(5x5-25)	
	آناسيا	Explain the use of new and delete operator using example.		
	70)	What is the control of the control o		
	a)	Explain Standard Explain with example.		
,	الور)	Explain aggregation in OOP with example. Differentiate between the control of th		
	-20	Differentiate between compile time and runtime polymorphism		
		octween compile unte and runame polymorphism	1.	
Q2.	e)	What i		
•	<i>p</i>)	Wild are features and a second	(5)	
	٠,	Explain difference between Procedural Programming and C Programming.	blect Oriented	
	c)	Programming.	(4)	
	, -,	Explain different C++ compilers.	(3.5)	
~Q3 .	THE S	What is difference between C and C++? Explain C++ standard Librarian	• •	
	b)	Explain C++ standard Libraries. What are different and C++?	(5)	
	c)	What are different applications of OOP?	(4)	
		amercial applications of OOP?	(3.5)	
		UNIT II		
° Q4.	/a)	What are C++ abstract classes? Explain with	423	
	'	Picking to Illustrate constructor overlanding	(5) (4)	
0.5	٠,	OP	(4) (3.5)	
Q5.		What are friend functions? Illustrate with code. Why the preferred?		
	D)	What is copy constructor? Explain with example.	(5) (4)	
	c)	Explain data hiding and encapsulation with example.	(3.5)	
		UNIT III	(,	
166.	a)	Explain difference between Private Public and Province		
/~.	,	Explain difference between Private, Public and Protected Accounts respect to Inheritance.	ess Mechanism	
	ы	What are different types of Inheritence?	(5)	
	-	Write a code to overload Unary operator.	(4)	
	-,	OR	(3.5)	
Q7.	a)	What is difference between early an late binding?		
•	b)	Explain Virtual base class with suitable example?	(5)	
	c)	Write a code to overload binary 4' operator?	. (4)	
	-		(3.5)	
		UNIT IV		
₹ 8.	A)	How is an exception handled in C++?	300 h	
	b)	What is peneric amountaine? How it is implemented in Care	(5)	
	c)	Explain and write syntax of put() and get () idited that	177	
		1196	(3.5)	
Q9.	A)	What are steps involved in using a file in a C++ program?	/= .	
	b }	WITE HUTT CHES to important the contract of th	(5)	
	c)	What are different types of exceptions?	(4) (3.5)	
	•	Abov	(0.0)	