Tota	Number of Pages: 01 210	210	210	210	B.T
1010	Number of Lages. of				BECS2
		r Back Examinati			
		Oriented Progran	nming		
	E	RANCH: CSE, IT			
		Time: 3 Hours Max Marks: 70			
	210 210	Q.CODE: B1129	210		
210	Answer Question No.1 whic			rom the res	st.
	The figures in the				
Q1	Answer the following questio	ns:			(2 x ⁻
	 Differentiate between object ori 		e oriented langua	age.	-
	 What do you mean by class and Define default constructor and 	-	tructor		
	 Define default constructer and List down the operators that car 				
210	e) State any rules for operator over		210	210	
	What is difference between public and private inheritance?				
	What is virtual base class? Define pure virtual function.				
	 Define pure virtual function. Mention different types of polyn 	norphism.			
) List methods provided by istrea	•			
02	What is object oriented paradia	m? Explain the varie	ous footuros of O		(5)
Q2	 What is object oriented paradig paradigm. 			210	(5
	 Distinguish between the following 	ng terms.			(5
	a. Objects and Classes				
	 b. Data abstraction and Data er c. Inheritance and polymorphisi 	•			
	d. Dynamic binding and message				
					<i>.</i> _
Q3 ₀	What is the need for initialization of objects using a constructor? What could be the problems if constructors are not provided in C++? Differentiate				(5
	between constructor and destructor.				
	Write a program in c++ to illustrate call by reference .				(5
~) Explain unary and binary opera	tor overlaading with	overenie e		/5
Q4	Explain unary and binary operator overloading with examples. What is a member function ? Explain the advantages and disadvantages of				(5 (5
	b) What is a member function ? Ex declaring member function inside				(•
210	210 210	210	210	210	
Q5	 Write a c++ program to overloa two time value given in format H 		he sum and differ	ence of	(5
	With suitable example explain data conversion from one class type to another				(5
	class type.				
Q6) What is virtual functions? Give	the rules for virtual f	unctions		(5
	b) What is exception specification			n it is	(5
210	required 210 210	210	210	210	-
Q7	Illustrate different types of inher	itance with suitable	diagrams and ex	amples	(10
Q8	Write short answer on any TV	VO:			(5 x
	a) Reference pointer				
	 Copy constructor Objects as function argument 				
210	 Objects as function argument. Class template 210 	210	210	210	
210		E 1 V	LIV	210	