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		C.U.SHA	H UNI	VERSI	$\Gamma \mathbf{Y}$	
		Winter]	Examina	ation-2018		
Subject 1	Name : Obje	ect Oriented Prog	ramming			
Subject Code: 4TE02OOP1			В	Branch: B.Tech (All)		
Semester	::2	Date: 31/10/201	8 T	ime : 02:30 To 05	5:30 Marks : 70	
(2) I (3) I	Jse of Progra nstructions w Draw neat dia	ummable calculato vritten on main and agrams and figures ble data if needed.	swer book are s (if necessary)	strictly to be obey	<u> </u>	
1	Attempt th	e following quest	tions:			
a)	What is obj	ect orientation?				
b)	Define Enc	apsulation.				
c)	Define Poly					
d)	Define abstr					
e)	Explain set					
	Explain <m< td=""><td></td><td></td><td></td><td></td><td></td></m<>					
f)		11 /				
f) g)	What is cou		ic an operator	c) It is an object of	1) It is a class	
g)	What is cou	a Function b) It	-	c) It is an object of	d) It is a class	
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g) h)	What is cou a) It is The member a) priv Symbol of S a) +	a Function b) It are of a class by defeate b) pul	fault are blic c) prote operator.	ected d) made d) #	andatory to specify	
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Atten

Q-2

(14)

Attempt all questions Explain basic structure of c++ program with suitable example. (a)

07



	(D)	Explain features of object oriented programming.	U7		
Q-3		Attempt all questions	(14)		
	(a)	What is user defined function? Explain with c++ program to swap two numbers using call by reference.	07		
	(b)	What is operator overloading? Explain unary minus (-) operator overloading with example.	07		
Q-4		Attempt all questions	(14)		
	(a)	What is class? Explain access modifier of c++.	07		
	(b)	Explain this pointer with suitable example.	07		
Q-5		Attempt all questions	(14)		
	(a)	Explain friend function with example.	07		
	(b)	Explain exception handling in C++ with example.	07		
Q-6		Attempt all questions			
	(a)	List types of inheritance. Explain multilevel inheritance with example.	07		
	(b)	What is pure virtual function? Explain virtual function with example.	07		
Q-7		Attempt all questions	(14)		
	(a)	Explain function overloading with suitable example.	07		
	(b)	Explain class template and function template with suitable example.	07		
Q-8		Attempt all questions	(14)		
	(a)	Explain File stream classes in C++.	07		
	(b)	Explain copy constructor with suitable example.	07		

