	Enrolln	nent No:	Exam Seat No:						
			C.U.SHAH	UNIVERSITY					
	Winter Examination-2019								
	Subject Name : Object Oriented Programming with C++								
	Subject Code: 4CS03IPC1			Branch: B.Sc.I.T.					
	Semeste	er: 3	Date: 09/10/2019	Time: 02:30 To 05:30	Marks: 70				
	Instructions:								
 Use of Programmable calculator & any other electronic instrument is prohibited. Instructions written on main answer book are strictly to be obeyed. Draw neat diagrams and figures (if necessary) at right places. Assume suitable data if needed. 									
Q-1		Attemp	ot the following questions:			(14)			
	a)		code line ends with						
	b)		a members of structure are	by default.					
	c)	•							
	d)	Which C++ object is used to scan a value from the user?							
	e)								
	f)	How many arguments have the default constructor has?							
	g)	•							
	h)		keyword is used to access the	variable in namespace?					
	i)	What is inheritance?							
	j)		abstract class?						
	k)		ands for class?						
	l) m)		destructor?						
	n)		which operators are never in	heritance.					
Atte	empt any	four que	estions from Q-2 to Q-8						
Q-2			ot all questions			(14)			
	a)	-	basic concepts of OOP.			(5)			
	b)			reference as function argument wi	th example.	(5)			
	c)	Explain	function prototyping in C++	with example.		(4)			
Q-3		Attemp	ot all questions			(14)			
	a)	Explain	default argument with exam	ple.		(5)			
	b)	_	inline function with example	2.		(5)			
	c)	Explain	this pointer with example.			(4)			



Q-4		Attempt all questions	(14)
	a)	Explain private, public, protected access specifier.	(5)
	b)	Explain how to define member function outside a class with the help of example.	(5)
	c)	Explain arrow operator.	(4)
Q-5		Attempt all questions	(14)
	a)	Explain function overloading with example.	(5)
	b)	Explain array of class object with example.	(5)
	c)	Explain difference between constructor and destructor.	(4)
Q-6		Attempt all questions	(14)
	a)	Explain function template with example.	(5)
	b)	Write a C++ program to overload + operator to add two distance class objects	(5)
		having members feet and inch.	
	c)	Explain private member function with example.	(4)
Q-7		Attempt all questions	(14)
	a)	What is structure? Explain how to declare structure with variable and function and	(7)
		how to access members of the structure with the help of example.	
	b)	What is polymorphism? Explain early binding and late binding.	(7)
Q-8		Attempt all questions	(14)
	a)	Explain difference between OOP and POP.	(7)
	b)	Explain types of inheritance with diagram. Write down example of any one type.	(7)

