	Enrollm	ent No:		Exam Seat No:				
		C.U.	SHAH U	JNIVERSITY				
	Summer Examination-2018 Subject Name: Object Oriented Programming with C++							
	Subject Code: 4CS02BOP1			Branch: B.C.A.				
	Semester	:: 2 Date : 2	25/04/2018	Time: 10:30 To 01:30	Marks: 70			
	<ul> <li>Instructions:</li> <li>(1) Use of Programmable calculator &amp; any other electronic instrument is prohibited.</li> <li>(2) Instructions written on main answer book are strictly to be obeyed.</li> <li>(3) Draw neat diagrams and figures (if necessary) at right places.</li> <li>(4) Assume suitable data if needed.</li> </ul>							
Q-1		Attempt the follow	ing questions:		(	(14)		
	a)	Define the term: Cla	ass					
	<b>b</b> )	Enlist types of inher						
	c)	Define the term: Inh	eritance					
	<b>d</b> )	What is object?						
	e)	What is this pointer						
	f)	Define the term: Co Enlist any five vario		1				
	g) h)	Define the term: ope	•	.++				
	i)	What is a variable?	Autor					
	.j)	What is the full form	n of OOP?					
	<b>k</b> )	Which operator doe		ture member?				
	1)	What is member fur	ection?					
	m)	Define the term: end	-					
Atte	n) empt any f	What is operator over <b>cour questions from</b>						
Q-2	}	Attempt all question	ons					
	(a)	Discuss basic conce				<b>(5)</b>		
	<b>(b)</b>	Explain function ov	_	<u>=</u>		<b>(5)</b>		
	(c)	Describe C++ input	t and output stream	n		<b>(4)</b>		
Q-3	}	Attempt all question	ons					
	(a)	Explain access spec		<u>=</u>		<b>(5)</b>		
	<b>(b)</b>	Describe array of ob				<b>(5)</b>		
	(c)	Explain various cha	racteristics of con	structor		(4)		
Q-4	ļ	Attempt all question						
	(a)	Explain single inher		3		<b>(5)</b>		
	<b>(b)</b>	Discuss operator ov	erloading with sui	itable example		<b>(5)</b>		



	(c)	Describe various advantages of inheritance	<b>(4)</b>		
Q-5		Attempt all questions			
	(a)	Explain friend class with example	<b>(5)</b>		
	<b>(b)</b>	Explain nested classes with example	(5)		
	(c)	Differentiate between constructor and destructor	<b>(4)</b>		
Q-6		Attempt all questions			
	(a)	What is default constructor? Explain with example	<b>(5)</b>		
	<b>(b)</b>	Explain arrow operator with example	(5)		
	(c)	Write a note on: function prototyping	(4)		
Q-7		Attempt all questions			
	(a)	Explain class template with example	<b>(5)</b>		
	<b>(b)</b>	Describe type conversion with example	(5)		
	(c)	What is virtual function? Explain with example	<b>(4)</b>		
Q-8		Attempt all questions			
	(a)	Write a C++ program to find area of rectangle and area of circle and area of	(5)		
		triangle using area() with function overloading			
	<b>(b)</b>	Write a C++ program of student class with data members rollno, name and	(5)		
		member function getdata() to input the details and display() to display the details			
		of five students using array of object.			
	<b>(c)</b>	Write a C++ program to create UDF named swap() used to interchange the values	<b>(4)</b>		
		of two variables			

