

Enrollment No: \_\_\_\_\_ Exam Seat No: \_\_\_\_\_

# C.U.SHAH UNIVERSITY

## Winter Examination-2019

Subject Name : Object Oriented Programming

Subject Code : 4TE02OOP1

Branch: B.Tech (All)

Semester : 2

Date : 20/09/2019

Time : 02:30 To 05:30

Marks : 70

Instructions:

- (1) Use of Programmable calculator & any other electronic instrument is prohibited.
  - (2) Instructions written on main answer book are strictly to be obeyed.
  - (3) Draw neat diagrams and figures (if necessary) at right places.
  - (4) Assume suitable data if needed.
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<b>Q-1</b>	<b>Attempt the following questions:</b>	<b>(14)</b>
	a) Define Identifier.	1
	b) What is Token?	1
	c) Explain Binding in terms of C++.	1
	d) Define Keyword.	1
	e) Explain Symbolic Constant.	1
	f) Define Object.	1
	g) Define Modifier.	1
	h) Explain use of NEW keyword in C++.	1
	i) What is Garbage Collection?	1
	j) What is Destructor?	1
	k) Define Polymorphism.	1
	l) List two functions of "iostream.h".	1
	m) What is Inheritance?	1
	n) What is Global variable?	1

Attempt any four questions from Q-2 to Q-8

<b>Q-2</b>	<b>Attempt all questions</b>	<b>(14)</b>
	(a) Differentiate Entry Controlled and Exit Controlled loops.	7
	(b) Draw and explain basic structure of a C++ Program with suitable example.	7
<b>Q-3</b>	<b>Attempt all questions</b>	<b>(14)</b>
	(a) Explain Inline function with suitable example.	7



	(b)	What is Class? Explain Protected keyword with example.	7
<b>Q-4</b>		<b>Attempt all questions</b>	<b>(14)</b>
	(a)	What is Constructor? Explain Default constructor with suitable example.	7
	(b)	Write C++ code that checks whether the given value is even or odd.	7
<b>Q-5</b>		<b>Attempt all questions</b>	<b>(14)</b>
	(a)	Explain Multilevel Inheritance with example.	7
	(b)	Explain Parameterized Constructor with suitable example	7
<b>Q-6</b>		<b>Attempt all questions</b>	<b>(14)</b>
	(a)	Write a brief note on Type Conversion.	7
	(b)	Explain Operator Overloading with suitable example.	7
<b>Q-7</b>		<b>Attempt all questions</b>	<b>(14)</b>
	(a)	Explain Virtual Base Class with suitable example.	7
	(b)	Explain This Pointer with suitable example.	7
<b>Q-8</b>		<b>Attempt all questions</b>	<b>(14)</b>
	(a)	Explain different types of Manipulators used in C++.	7
	(b)	What is Template? Explain its role in Programming.	7

