C.U.SHAH UNIVERSITY
Summer Examination-2016

Subject Name : Object Oriented Programming

Subject Code : 4TE02OOP1   **Branch: B.Tech(All)**

Semester : 2   **Date : 17/05/2016**   **Time : 10:30 To 1:30**   **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.

Q-1   **Attempt the following questions:**   **(14)**
a) Define Object.
b) What is Encapsulation?
c) Define Dynamic Binding.
d) What is Token?
e) Explain Setfill().
f) Which operators are not overload?
g) What is pure virtual function?
h) Who is the creator of C++ ?
        a) Denis Ritche b) John Methew c) Bjarne Stroustrup d) None of these
i) Which keyword is used to perform the write operation in C++ ?
        a) cout   b) printf   c) cin   d) scanf
j) The ___ operator is known as insertion operator.
        a) >>   b) >   c) <   d) <<
k) To create a reference variable ___ symbol is used.
        a) +   b) &&   c) *   d) &
l) If operator is operated on two operand then such operator is called ___ operator.
        a) unary   b) binary   c) ternary   d) none of these
m) Symbol of scope resolution operator is ___ .
        a) .   b) *   c) ::   d) &
n) Statement 5>3 ?20 : 30 will return ___ value.
        a) 5   b) 20   c) 30   d) 3

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

Q-2	**Attempt all questions**	**(14)**
(a)	Differentiate between POP and OOP.	
(b)	Explain the basic structure of a C++ Program with suitable example.	

Q-3	**Attempt all questions**	**(14)**
(a)	Define Object-oriented programming. Explain features of object oriented programming	
(b)	What is Class? Explain Access Modifier of C++.	

Q-4	**Attempt all questions**	**(14)**
(a)	Explain Inline function with suitable example.	
(b)	Write a program in C++ that checks whether the given string is palindrome or not.	

Q-5	**Attempt all questions**	**(14)**
(a)	Define inheritance. Explain types of Inheritance.	
(b)	Explain copy constructor with suitable example	

Q-6	**Attempt all questions**	**(14)**
(a)	Enlist out characteristics of constructor. Explain Default constructor with suitable example	
(b)	Define unary operator with suitable example.	

Q-7	**Attempt all questions**	**(14)**
(a)	Define polymorphism. Explain Virtual functions with example.	
(b)	Explain This Pointer with suitable example.	

Q-8	**Attempt all questions**	**(14)**
(a)	Write a note on File Stream Classes in C++.	
(b)	Explain class template and function template with suitable examples.	