Enrollment No: _____   Exam Seat No:_____

C.U.SHAH UNIVERSITY
Summer Examination-2018

Subject Name : Object Oriented Programming

Subject Code : 4CS04OOP1   **Branch: M.Sc. C.A. & I.T. (Integrated)**

Semester : 4   **Date : 26/04/2018**   **Time : 10:30 To 01:30**   **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) Which keyword is used to perform the write operation in c++?
  (A) Printf
  (B) Scanf
  (C) Cout
  (D) Cin

b) OOP stands for_____
  (A) Object Oriented Procedure
  (B) Object Oriented Programming
  (C) Object Procedure Programming
  (D) None of these

c) What is default visibility mode for members of classes in C++ ?
  (A) Private
  (B) Public
  (C) Protected
  (D) None of this

d) A constructor has the same …………….. as that of class.
  (A) Variable
  (B) Object
  (C) Function
  (D) Name

e) Destructor is a member function whose name is same as the class name but is preceded by a ………..
  (A) @
  (B) $
  (C) ~
  (D) &

f) Which is used to create a pure virtual function ?
  (A) !
  (B) %

(C) &

(D) =0

g) A derived class with only one base class is called …………… inheritance.

    (A) Single

    (B) Multiple

    (C) Multilevel

    (D) Hierarchical

h) STL stand for.

    (A) Simple Template Library

    (B) Static Type Library

    (C) Standard Template Library

    (D) Single Type-based Library

i) Which symbol is used to define function outside the class

    (A) :

    (B) <<

    (C) ~

    (D) ::

j) Default argument is always given from …………

    (A) Left to right

    (B) Right to left

    (C) A and B both

    (D) Can't say

k) Which of the following is a mechanism by which object acquires the properties of another object?

    (A) Encapsulation

    (B) Abstraction

    (C) Inheritance

    (D) Polymorphism

l) Which of the following approach is adapted by C++ ?

    (A) Top down

    (B) Bottom up

    (C) Left right

    (D) Right left

m) Which of the following is a user define datatype.

    (A) Array

    (B) Class

    (C) Structure

    (D) All of the above

n) Where does the execution of the program starts?

    (A) User-defined function

    (B) Main function

    (C) Private function

    (D) None of this

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

Q-2		**Attempt all questions**	**(14)**
	1	Explain differences between POP and OOP.	**5**
	2	What is class? How To define class in c++.	**5**

	3	Explain function overloading with example.	**4**
Q-3		**Attempt all questions**	**(14)**
	1	Explain function with default argument with example.	**5**
	2	List Characteristics of constructor.	**5**
	3	Explain C++ input and output stream.	**4**
Q-4		**Attempt all questions**	**(14)**
	1	Define Data members and explain types of data members	**5**
	2	Explain friend function with example.	**5**
	3	Explain defining operator overloading.	**4**
Q-5		**Attempt all questions**	**(14)**
	1	Explain Access specifier.	**5**
	2	Explain dynamic memory allocation and deallocation in C++.	**5**
	3	Explain function overriding.	**4**
Q-6		**Attempt all questions**	**(14)**
	1	What is Inheritance? Explain types of inheritance with example.	**7**
	2	What is Constructor? List types of constructor with example.	**7**
Q-7		**Attempt all questions**	**(14)**
	1	Explain differences between constructor and destructor.	**5**
	2	Explain constructor overloading with example.	**5**
	3	What is virtual function? Explain with example.	**4**
Q-8		**Attempt all questions**	**(14)**
	1	Write Differences between C and C++ .	**5**
	2	Explain Late binding versus early binding	**5**
	3	Explain Comment in c++	**4**