

# 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.
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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.

