

# C.U.SHAH UNIVERSITY

## Summer Examination-2019

**Subject Name : Object Oriented Programming**

**Subject Code : 4TE02OOP1**

**Branch: B.Tech (All)**

**Semester : 2**

**Date : 29/04/2019**

**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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**Q-1 Attempt the following questions: (14)**

- a) Give definition of Encapsulation.
- b) Which operators cannot be overloaded?
- c) Write advantages of using Functions in your Program.
- d) .....tells the compiler that how many arguments are there in function and what is type of each argument.
- e) State whether true or false.
  - 1) We can use object as a function argument.
  - 2) By default member variables of class are public.
- f) Write output of following program.

```
int m=5;
void main( )
{
    int m=10;
    cout<<"\n Value of m = "<< ::m;
    cout<<"\n Value of m = "<< m;
    getch( );
}
```
- g) Write down syntax for binary operator overloading.
- h) What is abstract class?
- i) List unformatted I/O operations.
- j) Write a syntax to create a template for function.
- k) What is the use of destructor?
- l) What is containership?
- m) Give definition of polymorphism.
- n) Define Keyword.

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

**Q-2 Attempt all questions (14)**

- (a) List basic concepts of OOP. Explain any 4 in detail. (07)
- (b) Explain call by reference with example. (04)
- (c) What is the use of inline Function? Write a program to find area of circle using inline function. (03)





- (b) Write a C++ program to implement following Class hierarchy to get and display information using Inheritance concept: (07)

