Roll No…………………

BCA/D-17
Object Oriented Programming Using C++
Paper: BCA-231

Time: Three Hours

Maximum Marks: 80

Note: Attempt five questions in all, selecting at least one questions from each Unit. Q. No. 1 is compulsory.

Compulsory Question

1. (a) Compare Private and Protected Members of a Class.
    (b) Describe various put( ) function with example,
    (c) Explain Copy Constructor.
    (d) What is Array? What are the advantages of using array?

Unit-I

2. What is Object Oriented Programming? What are its features? What is the difference between Object Oriented Programming and Procedure Oriented Programming? Also explain its benefits.

3. (a) What is Local Class? What are the rules for using it? Give example.
    (b) How can we pass class objects as arguments of a function? Illustrate using example.

Unit-II

4. Explain the following with example :
    (a) Parameterized constructor.
    (b) Destructor.

5. Explain the following function with example :
    (a) Get( ) function
    (b) Write( )
    (c) Precision( )
    (d) Setf( ).

Unit-III

6. Explain the following with example :
    (a) Delete Operator
    (b) This Pointer.

7. (a) Explain all Manipulators with example.
    (b) What is Friend function? What are its advantages and disadvantages? Also give example.

Unit-IV

7. Explain the following operators by giving suitable examples :
   (a) Bitwise Operator
   (b) Size of
   (c) Comma Operator
   (d) Conditional Operator.

9 What are inline functions? What are its advantages and disadvantages? Give suitable example.