

Roll No : .....

Total No. of Questions : 10 ]

[ Total No. of Printed Pages : 2

# **BC-271**

**B.C.A. (Part-III) DUE IInd Year Examination, 2021**

**OOPS WITH C++**

Paper - BCA-202

*Time : 1½ Hours ]*

*[ Maximum Marks : 50*

**Note :-** Attempt any *five* questions in all, selecting *one* question from each Unit. All questions carry equal marks.

## **Unit-I**

1. Explain different features of object oriented programming used in C++.
2. (a) Explain inline function with example.  
(b) Give an example of static member function.

## **Unit-II**

3. Explain dynamic constructor and destructor with suitable example.
4. What is operator overloading ? Explain unary operator overloading with example.

## **Unit-III**

5. What is Inheritance ? Explain its types and give an example of multilevel inheritance.
6. What is Abstract Class ? Give an example of pure virtual function.

**BI-579**

( 1 )

**BC-271** P.T.O.

#### **Unit-IV**

7. (a) Explain the basics of C++ Streams.  
(b) Write the code to set or clear format flags.
8. (a) Explain the use of width() function with example.  
(b) Write the code to create your own manipulator.

#### **Unit-V**

9. How file handling performed in C++ ? Give an example of Read() and Write().
10. Write short notes on the following functions :
  - (a) get()
  - (b) put()
  - (c) peek()
  - (d) putback()
  - (e) flush( )