# Half Yearly Examination 2020-21

## B.C.A. II  Year
### Programming in C++
**BCA – 203**

Time: 3 Hours                    Max. Marks = 80                    Min. Marks = 27

**Note:-** Attempt any two questions from each unit . Each question carries equal marks.

### UNIT-I

1. Write features of OOP in brief.
2. Discuss data types in C++.
3. Write a note on jump statements in C++.

### UNIT-II

1. Write a note on structures in C++.
2. Write a note on call by reference in C++.
3. Explain the concept of recursion in C++.

### UNIT-III

1. Write a note on inline classes.
2. Discuss working of new and delete operators.
3. Explain the concept of constructor overloading.

### UNIT-IV

1. Write a brief note on access specifiers. Explain them in context of inheritance also.
2. Write a brief note on inheritance.
3. Discuss the concept of function overriding.

### UNIT-V

1.  What do you mean by virtual functions? Explain with example.
2. Discuss the concept of friend function and friend class with example.
3. Write a program to overload binary addition operator.