

**Bachelor of Computer Application (BCA) 3<sup>rd</sup> Sem.**

**(Old Syllb 2016)**

**C++ (OOP LANGUAGE)**

**Paper-III**

Time Allowed—3 Hours]

[Maximum Marks—75

**Note :—** Attempt any **five** questions. All questions carry equal marks.

1. Discuss the following :

(a) Different types of relational Operators in C++

7.5

(b) Precedence of operators

7.5

2. (a) Write a program to find largest of three numbers using conditional statements.

7.5

(b) Write a program to initialize string using for loop.

7.5

3. (a) Write a program in C++ demonstrating the use of continue statement.

7.5

(b) Write a program to find sum of first 20 numbers using while loop statement.

7.5

4. (a) Write a program to implement the concept of inheritance. 7.5

(b) Write a program using functions to find average of 10 numbers. 7.5

5. (a) What is meant by operator overloading ? Explain. 7.5

(b) Overload binary plus operator to add two dates. 7.5

6. Discuss the significance of multiple Inheritance in OOP Language. Explain. 15

7. (a) Write a program to implement the concept of runtime polymorphism. 5

(b) Discuss the following :

(i) Structure declaration 5

(ii) Derived class constructors. 5

8. Write short notes on the following :

(a) Parameterized Constructors 7.5

(b) This operator. 7.5