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**KN-278**

**BCA (Part-II) Examination, 2022**

**PROGRAMMING IN C++ AND  
VISUAL C++**

*Time Allowed : Three Hours*

*Maximum Marks : 100*

*Minimum Passing Marks : 40*

**Note :** Attempt **all five** questions. One question from each unit is **compulsory**. All questions carry **equal** marks.

**UNIT-I**

1. What is Inheritance? Explain types and one suitable example.

**OR**

Explain the following :

- (a) Concept of OOPs

- (b) Data types and Polymorphism

## **UNIT-II**

2. What is the use of constructor and destructor? Explain with one suitable example.

### **OR**

Explain the following :

- (a) Access Specifier  
(b) Operator Overloading

## **UNIT-III**

3. What is Inline function? Explain its features and give one example.

### **OR**

What is Control Flow Statements? Explain various looping statements with one example.

## **UNIT-IV**

4. Describe in detail various methodologies of object oriented database.

**OR**

Explain architecture of object oriented database with example.

**UNIT-V**

5. What do you mean by VC++ programs? Explain with advantage and disadvantage and also give one example.

**OR**

Explain the following :

- (a) Microsoft Foundation Class Library (MFC)
- (b) Event Driven Programming

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