

Roll No.....

**Online Annual Examination-2020**

**B.C.A- II**

**BCA 203**

Programming in C++ & Visual C++

Min Marks : 40

MM : 100

All Questions are Compulsory.

**Section-A**

Answer the following very short answer type questions in one or two sentences. 10x2=20

1. What is OOPS?
2. What do you mean by Abstraction?
3. What is class destructors?
4. Explain object and class.
5. What do you mean by tiles pointer?
6. Describe array and pointer.
7. What do you mean by attribute type?
8. Describe object structure concepts.
9. Explain creating o source code file.
10. What is device context?

**Section-B**

Answer the following short answer type questions in 200-250 word limit.

6x5=30

1. Explain procedural languages.  
Or  
What do you mean by reusability?
2. Explain derived and Base class.  
Or  
What is operator overloading, explain with suitable example?
3. What is the difference between while loop and do while loop?  
Or

What do you mean by different types of array?

4. Explain Booch Methodology.

Or

Describe the architecture of object oriented database

5. What do you mean by main window object?

Or

Explain document object.

**Section-C**

Answer the following long answer type questions in 350-400 word limit.

10X5=50

1. Explain the main features of object oriented Programming.

Or

What do you mean by polymorphism? Explain with suitable example.

2. Explain the different types of Invariant.

Or

What is the difference between structure and class. Explain both of them with example.

3. Explain virtual and pure virtual function with the help of suitable example.

Or

Discuss Inline function with suitable example. Explain clearly and specify their advantages and disadvantages?

4. Differentiate between object oriented date base management system (OODBMS) and traditional database.

Or

Write short notes on-

- (1) String manipulating function.
- (2) Object diagram.

5. Explain advantages of VC++

Or

What do you mean by device context?