



KJ-1246

BCA (Part - II)
Term End Examination, 2020

COMPUTER SCIENCE

Paper - V

Programming in C++ and Visual C++

Time : Three Hours] [*Maximum Marks* : 100

Note : Answer any **two** parts from each question. All questions carry equal marks.

Unit-I

1. (a) Write the difference between object-oriented language and procedure-oriented language.
- (b) Explain the concepts of object-oriented programming language.
- (c) Explain class and object with suitable example.

(2)

Unit-II

2. (a) What is parameterized constructor ? Explain with example.
- (b) Explain object as a function argument with suitable example.
- (c) Explain operator overloading. Write a program to overload a binary operator.

Unit-III

3. (a) What is inline function ? Explain with suitable example.
- (b) What is Inheritance ? Write a program to demonstrate multiple inheritance.
- (c) What do you mean by pure virtual function ? Explain with example.

Unit-IV

4. (a) Write the features of object-oriented database.
- (b) What is object behaviour ? Explain Booch methodology.
- (c) Explain the following with examples :
 - (i) Attribute type
 - (ii) Relationship type

(3)

Unit-V

5. (a) Write down the main features of VC++.
- (b) What do you mean by event-oriented programming ? Explain device context.
- (c) Explain the following :
- (i) Application object
 - (ii) View object
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