I/94—22   Roll No. ....

Annual Examination, 2022

B.C.A. Part II

B.C.A.-203

Paper III

(Programming in 'C++')

Time : 3 Hours]   [MAXIMUM MARKS : 80

Note : *Attempt any **two** parts from each unit. All questions carry equal marks.*

Unit–I

1. (a)   What is object oriented paradigm ? Write the benefits of OOP.

   (b)   Explain the data types of C++ in detail.

   (c)   Write a C++ program to find the big one from three inputted numbers.

Unit–II

2. (a)   Discuss the enumeration data type with example.

   (b)   Describe the inline function with suitable example.

   (c)   Write a C++ program to demonstrate structure as argument.

Unit–III

3. (a)   How to use array as class member. Explain with example.

   (b)   Discuss the new and delete operator with example.

   (c)   Write a C++ program to demonstrate parameterized constructor.

Unit–IV

4. (a)   Explain the this pointer with example.

   (b)   Define inheritance. Write a C++ program to demonstrate multilevel inheritance.

   (c)   Discuss the function overriding with example.

Unit–V

5. (a)   Describe the virtual function with example.

   (b)   Write a C++ program to overload ++ operator.

   (c)   Explain the friend class with example.

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