Roll No. ....

E–3908

B. C. A. (Part II) EXAMINATION, 2021

(Old Course)

Paper Fifth

PROGRAMMING IN C++ AND VISUAL C++

(203)

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

[*Minimum Pass Marks : 40*

Note : Attempt any *two* Parts from each Unit. All questions carry equal marks.

Unit—I

1. (a) Why do we need to object oriented programming ?

    (b) What do you mean by inheritance ? Explain with example.

    (c) What is Class ? Describe with example.

Unit—II

2. (a) What is constructor and destructor ? How many types to assign value into constructor ?

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

    (c) What are the differences between structure and class ?

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Unit—III

3. (a) What do you mean by Streams ? Explain utility of lnline function.

   (b) Differentiate call by value and call by reference with suitable example.

   (c) Explain the following :

      (i) Virtual function

      (ii) Pure virtual function

Unit—IV

4. (a) Differentiate relational database and object oriented database.

   (b) What are the methodology for object oriented design ?

   (c) Explain the following :

      (i) Attribute types

      (ii) Object behavioural concepts

Unit—V

5. (a) Explain the overview of VC++.

   (b) What is device context ? Explain with example.

   (c) Explain the feature of MFC.

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