Annual Examination, 2023

B.C.A. Part II

B.C.A.–203

Paper III

(Programming in C++)

Time : Three 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 programming ? Write the application of OOP.

   (b) Explain the nested if-statement with example.

   (c) Explain break, continue and goto statement with example.

Unit-II

2. (a) What is function ? Explain function declaration, definition and calling.

   (b) What is function overloading ? Explain with example.

   (c) Write short notes on :

   (i) Structure,
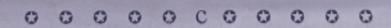
   (ii) Enumeration data type.

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Unit-III

3. (a) Define object and class : Explain of class Data member and member function with example.

   (b) What is constructor ? Explain types of constructor with example.

   (c) What is dynamic memory allocation ? Explain new and delete operator.

Unit-IV

4. (a) Explain multipule inheritence with example.

   (b) What is pointer ? Explain pointer to object with example.

   (c) Explain Access specifier private, public & protected.

Unit-V

5. (a) Explain pure virtual function with example.

   (b) Explain friend function and friend class.

   (c) Write short notes on :

   (i) Abstract class,

   (ii) Operator overloading.

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