

Roll No.

[2]

D-3849

B. C. A. (Part II) EXAMINATION, 2020

(New Course)

Paper Third

PROGRAMMING IN 'C++'

(BCA-203)

Time : Three Hours]

[Maximum Marks : 80

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

1. (a) Discuss the basic concepts of OOP (Object Oriented Programming).
(b) Explain the built in data types used in C++.
(c) Explain While and Do-while loop used in C++.
2. (a) What do you understand by structure in C++ ? Explain your answer with suitable example.
(b) What are functions in C++ ? Explain with an example.
(c) What do you understand by Function Overloading ?
3. (a) Describe different types of constructors used in C++.
(b) What are static member functions ? Explain with suitable example.
(c) Differentiate class and object by using example.

4. (a) Explain function overriding with an example.
(b) Explain access specifiers used in C++.
(c) Describe the use of & and * operations used in C++.
5. (a) What is friend class in C++ ? Give an example of your choice to elaborate its concepts.
(b) Explain unary operator overloading in C++.
(c) Illustrate binary operator overloading with the help of friend function.

D-3849

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