

Roll No. :

Total No. of Questions : **10**]

[Total No. of Printed Pages : **2**

SCA-272

B.C.A. Part-III Due of B.C.A. Part-II (Supplementary) Examination, 2022

OOPS WITH C++

Paper - BCA-202

Time : 1½ Hours]

[*Maximum Marks : 50*

Note :- Attempt *five* questions in all, selecting *one* question from each Unit. All questions carry equal marks.

Unit-I

1. Explain the following terms with suitable examples :
 - (a) Class
 - (b) Inheritance
2. What is object-oriented programming ? What are the advantages and disadvantages of this approach ?

Unit-II

3. What do you understand by constructor overloading ? Also compare and contrast a destructor from a constructor.
4. Write a program in C++ to display first N prime numbers. Use a constructor to initialize the number N.

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Unit-III

5. What do you mean by Hybrid Inheritance ? Also write difference between multiple inheritance and multilevel inheritance.
6. What is Operator Overloading ? Write a program in C++ to overload binary operator '+' for addition of two numbers.

Unit-IV

7. Define stream in C++. Explain different types of streams.
8. What are Manipulators ? Explain the commonly uses setw(), setprecision (int), setfill (int) and setiosflags (long f) manipulators.

Unit-V

9. What is file mode ? Describe the various modes available for opening a file with suitable example.
10. Write a C++ program to count the number of lines in a given text file.