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DOON UNIVERSITY, DEHRADUN
End Semester Examination, Third Semester, 2023
Academic Year 2023-24(Odd Semester)
School Of Technology, Department Name : Computer Science
Program Name : BSc CSE (Hons with Research)
Course Code With Title : CSC-202, Programming with C++

Time Allowed 1.30 Hours

Maximum Marks: 30

SECTION A

Note: Attempt all questions. (Each question carry 2 marks)

1. What do you mean by early binding and dynamic binding?
2. What are maps? How many types of maps used in C++?
3. Differentiate between upper bound and lower bound in STL?
4. Explain with the help of class inventory and show how can we access the private member?
5. Write about access controls in inheritance. Explain it with a suitable example.

SECTION B

Note: Attempt any two questions. (Each question carry 4 marks)

1. Write a program to create N-size set and display result.
2. Write a program to illustrate the role of error handling in C++.
3. Explain the concept of method overriding. What are its different rules to follow for the term of method overriding with program?

SECTION C

Note: Attempt all questions. (Each question carry 6 marks)

1. Describe the syntax of hybrid inheritance. When such an inheritance is used? Explain with a suitable program.
2. Write a program to overload binary operator using friend function.

$$\underline{32+2=34}$$