

Department of Computer Science and Engineering

Stamford University Bangladesh

CSI 211: Object Oriented Programming

Summer 2023 Final Exam

Full Marks: 5@10+2@25=100

Time: 2:30 Hours

1. Define Object-oriented programming and Explain feature of Object oriented programming. How it is different than procedure oriented programming.
2. Explain public, private and protected access specifiers and show their visibility when they are inherited as public, private and protected.
3. What is Constructor? Explain types of Constructor with example.
4. What is Standard Template Library? How is it different from the C++ Standard Library?
5. Write a program in C++ that display entered string into reverse order.
6. An apartment holds different types of room (master bed, bed), kitchen, bathroom, balcony, verandah. Developed different classes from the base class 'Room' having only three variables: FloorArea, Length and Width. You need find total area of an apartment: 3LDK + 3Bathroom + 2Verandah + 1Balcony.
7. Create a OOP program to prepare grade sheet of a Summer2023 semester taking student wise marks for five subjects from a file.