

OOP Lab Midterm Examination

3rd Semester, Fall 2022

Section: C

Date: Thrs, 8th December 2022

Time: 30 Min(s)

Marks: 15

Scenario: Football Players Data

Make a **C++ Class** that stores the data of football players. The class stores the **player name, player age, player type, goals scored, goals assisted, yellow cards, red cards**, and the **teams** that the player has played for including his own country and other league teams too. *Select suitable data type for each data member.* [3 Marks]

The class must have **no-argument, argument, and copy constructors**. The class must have a **show** function to fetch the details of player. [2 + 2 + 2 + 2 Marks]

If inheritance is required, then make another class too. What kind of inheritance will that be? Please give the valid reason of not using the inheritance, in case you are not using it. [2 Marks]

Write a **main** function to test the functionality of the code. Make suitable objects. Also, show the use of copy constructor. [2 Marks]

All the best.