

# CSE360: Computer Interfacing

## Assignment 1

Total Marks: 10 (Marks are indicated in third brackets after each question)

### Question 1 (CO1) [Marks: 4]

Suppose we want to design a coal mining system where we want to detect the temperature and humidity of the coal mine with the help of sensors. After detecting the values we want to display it on the screen/monitor. **Identify** what type of interfacing takes place and **describe** the mechanism of the interfacing during the whole process of detecting the values and displaying it on the screen/monitor.

### Question 2 (CO5) [Marks: 3]

What is Bus Conflict? **Justify** the mechanism of the solution for Bus Conflict.

### Question 3 (CO5) [Marks: 3]

Many modern devices are using USB Type C nowadays. **Compare** it with its predecessor USB types and explain the reason for its use.