

# CSE 316 (Peripheral and Interfacing Lab)

## Quiz – 1 (Set B)

Time: 15 minutes

Marks: 15

**1. Write True(T) or False(F) in the box on the right side:**

**5**

Arduino programming uses C++ as programming language.	
Servo motor can rotate up to 180 degrees.	
LED fading is done using digitalWrite() function	
There are 13 digital I/O pins in the Arduino Uno board	
The LCD display demonstrated in the lab can display up to 32 ASCII characters	

**2. Fill in the gaps:**

**5**

- The library required to operate an LCD display is \_\_\_\_\_.
- Arduino has \_\_\_\_\_ analog output pins.
- Arduino can supply DC voltage in the range \_\_\_\_\_.
- Some digital I/O pins can provide analog data transfer using Pulse \_\_\_\_\_ Modulation.
- The value returned by millis() function represents time in \_\_\_\_\_ unit.

**3. Write a sketch to fade an LED in the range of 45-135:**

**5**