M4_R5(Internet of Things and Its Applications)
BATCH: S41

Q.1 Write a program using Arduino to blink a Light Emitting Diode(LED). Also describe the connections used in a circuit with the Arduino Uno development board.

(25)

Q.2 Design a counter using an atmega microcontroller (like ATMEGA328P) using Arduino to display the number of entries per day in an office.

(25)

Q.3 Write a program to interface a temperature sensor (LM35) and water Nozzle with the Arduino.

A) Make the water flow from Nozzle, when the room temperature is above 34 degree Celsius and stop when temperature falls below 18 degree Celsius.

B) Also put a condition of maximum **on time** of the Nozzle as 2 minutes.

(30)