

FALL-2021

CSE-423 (D)

CLASS TEST-2

Full Marks-15

Sl. No	Question	Marks
1	Suppose we have a LM35 Sensor, a LED, an Arduino UNO Board with USB cable and required numbers of jumper cable. According to the specification, the LED only lights up when the temperature is at equal or more than 50°C. Now draw the exact circuit diagram with pin configuration along with sketch so that the LED lights up in proper condition for half second.	8
2	Write a sketch where the DC motor will be rotating at full speed (clockwise) while the temperature is more than 45°C and the same motor will be rotating (anti-clockwise) with reduced speed while the temperature is less than 25°C. Make sure the temperature will be visible to the developer with least cost method.	7