

1. By IoT, what do you mean? Describe the IoT technology in a few words.
2. Give examples to illustrate the main differences between conductors and insulators.
3. Differentiate between sensors and actuators with suitable examples.
4. Why do you need a Resistor? What should be the size of the Resistor if  $I = 20\text{mA}$  and  $V = 5\text{V}$ ?
5. By passive and active electronic components, what do you mean?