

School of Electrical Electronics and Communication Engineering

Electronics and Communication Engineering

ETE - Jun 2023

Time : 3 Hours

Marks : 100

Sem IV - G2UA401T - Sensors and Transducers

Your answer should be specific to the question asked

Draw neat labeled diagrams wherever necessary

1. How a Sensors can affect our daily life? Justify your answer with suitable examples. K2 CO1 (5)
2. Define and classification of Transducers. K2 CO1 (5)
3. Write short notes on Embedded System. K1 CO1 (5)
4. Microcontroller is so important in daily life, justify your answer with certain examples. K3 CO3 (10)
5. write detailed notes on working principle of LDR with diagram. K3 CO2 (10)
6. Draw and explain functional block of IoT. K2 CO2 (10)
7. Write all Instructions set used in 8051 microcontrollers. K4 CO3 (10)

OR

- How a smart Sensor can work in Hospitality sector, justify your answer with suitable examples. K4 CO3 (10)
8. Explain working principle of Resistance Temperature Detectors (RTD)with neat diagram. K5 CO2 (15)
 9. IOT is worship or worse. Justify you answer with suitable examples K4 CO2 (15)
 - 10) With some examples draw and explain functional block of an IOT system in detail. K5 CO3 (15)

OR

- What do you mean by smart sensors? Justify your answer in terms of IOT with examples. K5 CO3 (15)