School of Electrical Electronics and Communication Engineering
Electronics and Communication Engineering
ETE - Jun 2023

Time : 3 Hours

Marks : 50

Sem II - MCEN5019 - Wireless Sensor Networks
Your answer should be specific to the question asked
Draw neat labeled diagrams wherever necessary

1.	What are the design issues in MAC protocol.	K1 CO1	(2)
2.	List the differences between WSN and Ad hoc wireless network.	K1 CO2	(2)
3.	Define Fault Tolerance.	K2 CO3	(2)
4.	Define Sensor Deployment to Achieve Q-Coverage.	K2 CO5	(2)
5.	What is nesC?	K2 CO4	(2)
6.	Differentiate between various categories of sensor node hardware.	K4 CO3	(6)
7.	Discuss the interaction pattern between the sources and sinks in wireless sensor network.	K3 CO1	(5)
8.	Discuss the attacks and their countermeasure for MAC layer.	K3 CO2	(5)
9.	Explain the architecture for Mica Motes. List the pints to show that Mica is different from Mica2 motes.	K5 CO4	(8)
10.	Explain the challenges in routing and issues in design the WSN?	K5 CO5	(8)
11.	Discuss various data driven approaches for aggregation of data.	K4 CO1	(8)