

Part - C (Analytical Questions)		
1	Write about the generations of Sensor Network	U
2	Briefly explain about the design Issues of a Wireless Sensor Network	U
3	Challenges in Wireless Sensor Network	F
4	Discuss about the lack of global identification	U

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5	List out various of In-Network Processing	U
6	Mention the different Desired Security Services from the WSNs Perspective	F
7	Draw and explain the Encryption Mechanisms	U
8	Write about the Key Management Mechanisms	U
9	Explain the different types of Sensor Network Classes	F
10	Write about the Node Tracking Scenarios	U

**UNIT-II
ARCHITECTURES**

Part – A (Short Answer Questions)

1	Draw the architecture of a sensor node.	U
2	List various modes of a sensor node.	U
3	Differentiate between active and passive sensors	F
4	Define Figure of Merits..	U
5	Give any four commercially available Radio Transceivers used in sensor nodes.	U
6	State the mathematical model of energy consumption during transmission & reception of a transceiver.	U
7	Mention the most relevant kinds of memory for sensor nodes from energy perspective	U
8	What is Receiver Sensitivity?	F
9	Define dynamic voltage scaling.	U
10	State some examples of sensor nodes.	U
11	Can ASIC be used in a Wireless Sensor Network?	U
12	What is a gateway?	U
13	Define the architecture of a typical sensor network	U
14	Define layered architecture.	F
15	Define clustered architecture.	U
16	Define physical layer.	U