Assignment-1

Adhoc and sensor network

1. What is wireless sensor network?

2. What are the components of WSN?

3. Write short notes on memory devices in WSN.

4. Define: transceivers in WSN.

5. Write short note on different operational states of transceiver in WSN?

6. What is the MAC protocols used in sensor network?

7. Explain about the hardware components of sensor nodes.

8. Explain about the software components of sensor nodes.

9. Explain about the MAC protocol in WSN.

10. List the design goals of MAC protocol for ad-hoc networks.

11. List the issues of designing a MAC protocol for ad hoc networks.

12. What are the classifications of MAC protocol?

13. What are the effects of exposed terminal problem in wireless networks?

14. What are the advantages of directional antennas of MMAC over MACAW?

15. What are the mechanisms used in MAC layer?

16. List any two needs of real- time MAC protocol.

17. Compare the efficiency of the packet queuing mechanism adopted in MACA and MACAW.

18. What do you mean by contention based protocols?

19. Give the classification of contention based protocol.

20. Give the classifications of MAC protocols.

21. List the main issues in designing a MAC protocol for ad hoc wireless networks.

22. What do you mean by contention based protocols with reservation mechanism?

23. What do you mean by contention based protocols with scheduling mechanism?

24. What are the issues to be considered while designing a MAC protocol for Ad-Hoc Networks?