

Q.P. Code : 722503

(3 Hours)

[Total Marks : 80

- N.B. : (1) Question No.1 is compulsory.
(2) Attempt any three out of remaining five.

1. (a) What is FFD & RFD ? 5
(b) List down different transport layer protocol & explain any one. 5
(c) Write a short note on LEACH. 5
(d) What is packet loss & how it is recovered. 5
2. (a) Explain TRAMA protocol in detail. 10
(b) With the help of appropriate example explain routing challenges & design issues in network layer. 10
3. (a) Explain category two wireless network with appropriate examples ? 10
(b) Explain IEEE 802.15.4 wireless protocol in details ? 10
4. (a) What are different security attacks in WSN ? How they can prevented ? 10
(b) What is IEEE 802.15.4 MAC protocol explain with appropriate example. 10
5. (a) What are different types of sensor nodes & explain any one with the help of appropriate example in detail. 10
(b) Write a short note on "different types of OS". 10
6. (a) What are different security challenges in WSN. 5
(b) Differentiate between singlehop & multihop. 5
(c) Explain slotted CSMA - CA protocol. 5
(d) What is sen OS & pic OS. 5