ME EXTC| sem II| CBCS| FH 2019

27/05/2019

[Time: 3 Hours]

[Marks:80]

Please check whether you have got the right question paper.

N.B: 1. Question No 1 is compulsory.

2. Solve any three from remaining questions.

3. Assume suitable data if required.

Q.1 (a) Compare MANET and WASN. (5)

(b) Explain Hybrid Routing Protocol with an Example. (5)

(c) Compare Broadcast and Geocast. (5)

(d) Explain the working of UDP protocol. (5)

Q.2 (a) Draw the protocol stack and explain integration of MANET and cell networks. (10)

(b) Explain AODV routing protocol with diagram. (10)

Q.3 (a) Explain Cognitive Radio Based Wireless Sensor Networks with its Challenges. (10)

(b) Explain any two variations in TCP Protocol with their advantages and short comings. (10)

Q.4 (a) What is Multicast? Explain any one application of Multicast in detail. (10)

(b) What are the designing considerations for MAC Protocol in WSN. (10)

Q.5 (a) What is broadcast storm problem ? How to avoid this problem? Explain any two methods. (10)

(b) How to integrate IP with WSN? Explain with Diagram (10)

Q.6 Write Short Notes on Following:

(a) DSR Protocol (5)

(b) S-MAC (5)

(c) Nano WSN (5)

(d) Components of Sensor Node (5)

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