

Total No. of Questions - 9] [Total No. of Printed Pages - 2]

Dec.-23-0610

CS-801 (Mobile Adhoc & Sensor Network)

B.Tech. 8th (CBCS)

Time : 3 Hours

Max. Marks : 60

The candidates shall limit their answers precisely within the answer book (40 pages) issued to them and no supplementary/continuation sheet will be issued.

Note : Attempt Five questions in all, selecting one question each from Section A, B, C and D. Question no. 9 is compulsory.

SECTION - A

Explain Routing in MANET and its types with example. (10)

Explain position based routing protocol in MANET. State the important design parameters to evaluate the performance of position based routing protocol. (10)

SECTION - B

What is TCP? Discuss with an example TCP over Adhoc Wireless Networks. (10)

What is multicasting in MANET and what are the challenges? (10)

SECTION - C

What is a wireless sensor network? Explain with diagrammatic illustration, a wireless sensor network architecture. (10)

What are the design Issues of Wireless Sensor Network Architecture (10)

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SECTION - D

7. Explain Layering based security approach. (10)

8. What are the security issues in MANET? Explain the internal and external attack in MANET. (10)

SECTION - E (Compulsory)

9. (a) Does TCP have good performance on wireless networks?

(b) Why is routing different in Manet?

(c) What are the disadvantages of ad hoc network?

(d) What is geocasting?

(e) What is Mica mote and what is the size of RAM in MICA Mote type? (5×4=20)