CS - 8403 B.E. VIII Semester
Examination, June 2013
MANET & High Speed Network (Elective-IV)
Time: Three Hours

Maximum Marks : 100   Minimum Pass Marks :35

Note: All questions carry equal marks.

1. a) Give any five differences between cellular wireless and Ad-hoc wireless networks. 20

   b) Explain any six issues of Ad-hoc wireless network.

OR

2.   a) Explain the issues and challenges in providing QOS in Ad-hoc networks. 20

       b) What are the problems in Ad-hoc channel access.

3.   a) Describe in detail MACA and MACA-By- invitation protocols. 20

       b) Explain media access with reduced handshake (MARCH) protocol.

OR

4.   a) What are the hidden and exposed node problems in Ad-hoc networks? Explain each with suitable diagram. 20

       b) Differentiate sender initiated and receiver initiated MAC protocols.

5.   a) How is cluster switch gateway routing different from DSDV routing. 20

       b) Discuss the route cache mechanism of DSR.

OR

6.   a) Explain the difference between proactive and reactive routing. Explain AODV routing with the help of diagram.   20

       b) What is power aware routing? Explain with example.

7.   a) What is through put? Explain the effect of packet size, becoming interval and route length on through put.   2 0

       b) What is ABR Beaconing? Explain its structure.

OR

8.   a) How is power management achieved in Ad-hoc network. Explain characteristics of smart battery. 20

       b) Write short note on route discovery time, end to end delay and packet loss performance of ad hoc network.

9.   a) Explain how high speed LANs are different from ordinary LANs. 20

       b) Write a short notes on fiber channel wireless LAN.

OR

10.   a) What is ATM? Explain ATM protocol architecture. 20

       b) Explain what are the needs behind development of high speed networks. Explain FAST Ethernet.