

Time: 3 Hours

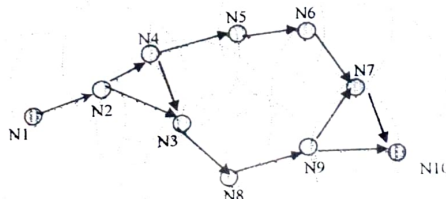
- Note: 1. It is compulsory to answer the questions of Part -1
 2. Answer any four questions from Part -2 in detail.
 3. Different parts of the same question are to be attempted adjacent to each other.

PART -1

- Q1 (a) What are the key difference between LAR1 and LAR2? (2)
 (b) Give the classification of battery management schemes. (2)
 (c) What is QoS? What are the main components for the QoS? (2)
 (d) Differentiate between Hidden and Exposed Terminal Problem. (2)
 (e) Give any basic features of Table Driven Routing Protocols. (2)
 (f) Write any two reasons for fading of signals in wireless communication. (2)
 (g) What is the use of Sequence no in routing protocol? (2)
 (h) Why security is the major concern in adhoc network? (2)
 (i) Explain the term Routing. (2)
 (j) Differentiate between intserv and diffserv. (2)

PART -2

- Q2 (a) Describe the Ticket Based QoS Routing Protocol (5)
 (b) Explain major security goals for adhoc network. (5)
- Q3 Explain TORA in detail along with example. (10)
- Q4 (a) Differentiate between Active and Passive Attacks (2)
 (b) Explain the route finding process in Dynamic Source Routing for the following routing topology, (8)



- Q5 (a) Bring out the difference between cellular network and adhoc wireless network. (5)
 (b) Explain the following: (5)
- Route discovery Time
 - End to End Delay
 - Throughput
 - Packet loss
 - TTL
- Q6 (a) Explain the issues related to design the routing protocol for adhoc network. (5)
 (b) Explain any one hierarchal routing protocol. (5)
- Q7 Explain (5*2)
- INSIGNIA framework
 - Signal stability routing
