Time: 3 Hours

Max. Marks:60

Instructions:
1. It is compulsory to answer all the questions (2 marks each) of Part -A in short.
2. Answer any four questions from Part -B in detail.
3. Different sub-parts of a question are to be attempted adjacent to each other.

PART -A

Q1 (a) Define Routing. (2)

(b) What is route reconfiguration time? (2)

(c) Differentiate between Flat and Hierarchical routing? (2)

(d) Why QoS is difficult to achieve in adhoc network? (2)

(e) What is the basic difference in AODV and DSR? (2)

(f) Security is a major concern in adhoc network, why? (2)

(g) Give the disadvantages of LAR. (2)

(h) Explain why route configuration time is less in Proactive routing. (2)

(i) Explain near and far problem (2)

(j) Differentiate between IntServ and DiffServ. (2)

Q2 Explain CGSR routing protocol along with its advantages and disadvantages. (10)

Q3 (a) Differentiate between Wireless Network and Adhoc Network (6)

(b) Differentiate between : (4)
- Hard QoS and Soft QoS
- Hidden Terminal Problem and Exposed Terminal Problem

Q4 (a) Write down the issues related to routing in adhoc network. (6)

(b) Explain all the tables maintained by Wireless routing protocol (4)

Q5 Explain QAodv Routing protocol in detail. (10)

Q6 Explain Signal Stability Based Adaptive Routing Protocol. (10)

Q7 Write short note on : (5*2)
- Impact of discharge characteristics on battery capacity
- INSIGNIA option