

(Time: 3 hours)

[80 marks]

NOTE: Question No 1 is compulsory

Attempt any three questions from remaining.

Assume suitable data if necessary.

- Q1. A) Explain with the help of example hidden and exposed terminal problem in Wireless Network [10]
- B) Explain the security issues in ad hoc wireless networks [10]
- Q2. A) With the help of example explain Ad-hoc on demand distance vector routing. [10]
- B) List the various attacks present in MANET? Explain attacks on MANET. [10]
- Q3. A) Give comparison between the IEEE 802.11a, IEEE 802.11b. [10]
- B) Give Comparison of between different multicast routing protocols [10]
- Q4. A) Explain characteristics of wireless channel and also list the application of WSN. [10]
- B) Explain in detail HIPER LAN. [10]
- Q5. A) Explain the tree based and mesh based multicast routing protocols. [10]
- B) How to use the zone routing protocol explain with the help of example? [10]
- Q6. Write a short note on following. [20]
- A. IEEE 802.11p
- B. MANET vs VANET
- C. Energy-Efficient Multicasting
- D. DSDV
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