

Roll No.

Total No. of Pages : 02

Total No. of Questions : 09

B.Tech.(CSE/IT) (2011 Onwards) (Sem.-5)

**COMPUTER NETWORKS-II**

Subject Code : BTCS-501

Paper ID : [A2097]

Time : 3 Hrs.

Max. Marks : 60

**INSTRUCTION TO CANDIDATES :**

1. SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.
2. SECTION-B contains FIVE questions carrying FIVE marks each and students has to attempt any FOUR questions.
3. SECTION-C contains THREE questions carrying TEN marks each and students has to attempt any TWO questions.

**SECTION A**

**Q1 Answer briefly :**

- a) What are the principles of Security?
- b) What is Authentication Header?
- c) What are the limitations of Bluetooth technology?
- d) What are the parameters to determine the capacity of cellular systems?
- e) What are the applications of adhoc networks?
- f) What is Frequency Reuse?
- g) What are Personal Area Networks?
- h) List the advantages of TDMA over FDMA.
- i) List the limitations of wireless systems.
- j) What is Soft handoff and Hard handoff?

## SECTION B

- Q2 Explain the header format of IPV6.
- Q3 What is Simple Key Management for internet protocol?
- Q4 What is the difference between Adhoc networks and Cellular networks?
- Q5 Explain the features and advantages of TDMA.
- Q6 Discuss various strategies for Channel Assignment.

## SECTION C

- Q7 Explain the system architecture and user requirements of wireless local loops.
- Q8 Explain any two routing protocols of adhoc networks.
- Q9 Compare :
  - a. 2G vs. 3G
  - b. 2.5G CDMA