

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

INSTRUCTIONS 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 have to attempt any FOUR questions.
3. SECTION-C contains THREE questions carrying TEN marks each and students have to attempt any TWO questions.

SECTION-A

1. Write briefly :

- a) How many bits are used by IPv4 and IPv6 address?
- b) List different IKE phases.
- c) What is the use of BTS in cellular network architecture?
- d) What is frequency reuse?
- e) Specify four categories of security threats.
- f) What is intersystem handoff?
- g) What is Photuris?
- h) List the limitations of wireless systems.
- i) How secure is a Bluetooth network?
- j) Why CSMA/CA cannot be used in wireless networks?

SECTION-B

2. What does Encapsulation Security Payload means? Explain.
3. What is GPRS? Describe different security and Handoff issues in GPRS.
4. List and explain about the routing protocols used in Adhoc Networks.
5. Write a note on simple key management for internet protocols.
6. Write down the differences between 2G and 3G.

SECTION-C

7.
 - a) Describe IPv6 header structure.
 - b) What are the different ways to establish WLAN? Explain in detail.
8. What is system capacity? What are different ways to improve coverage and capacity in cellular systems?
9. Describe Bluetooth protocol structure in detail. Describe the changes made in latest standard.