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Total No. of Questions: 09

Total No. of Pages: 02

B. Tech. (CSE) Sem. 5
COMPUTER NETWORKS
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 in brief:

- a) Explain port address.
- b) What is the task of application layer?
- c) What is use of IPv6?
- d) Discuss the use of bluetooth technology.
- e) What is DHCP?
- f) What is TDMA?
- g) What is use of wireless local loop?
- h) Explain PAN.
- i) Explain authentication header.
- j) What is frequency reuse?

SECTION B

2. Differentiate between 'Ad-hoc network' and 'Cellular network'.
3. Differentiate between 2.5G TDMA and 3G.
4. Explain WLAN in detail.
5. What are various handoff strategies in wireless system design?
6. Explain the two security protocols used at transport layer.

SECTION C

7. What are the Security features of IPv6?
8. Explain Simple Key management for internet protocols in detail.
9. Explain the working of Local Multiple Distribution System.

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