

Roll No.

Total No. of Pages: 02
Total No. of Questions: 09

B. Tech. (CSE)(IT) (Sem.-5th)
COMPUTER NETWORKS-II
Subject Code: BTCS-501
Paper ID: [A2097]

Time: 3 Hrs.

Max. Marks: 60

INSTRUCTIONS TO CANDIDATE:

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 question.*
3. *Section-C contains three questions carrying ten marks each and students have to attempt any two questions.*

SECTION-A

(10x2=20)

- Q1. a) What is Cipher text?
b) What are key establishment schemes?
c) What is mobility adjustment?
d) What is fading?
e) What is IS-95B for CDMA?
f) What is frequency reuse?
g) List the different IKE phases?
h) What is Personal Area Network?
i) Give any two differences between adhoc and other networks.
j) What is general format of packet header in Bluetooth?

SECTION-B

(4x5=20)

- Q.2. Describe the IPv6 header structure?
Q.3. Explain the characteristics of key negotiation protocols?
Q.4. What are the different ways to establish WLAN? Explain in detail?
Q.5. What are the different channel assignment strategies?
Q.6. What is the difference between proactive and reactive routing protocols?

SECTION-C

- Q.7. Compare the DSDV, AODV and DSR routing protocols for security services and security mechanism implemented in them. (10)
- Q.8. (a) What is local multipoint distribution system? Explain in detail. (5)
- (b) Describe the evolution of 2.5G TDMA standards. (5)
- Q.9. What is system capacity? What are different ways to improve coverage and capacity in cellular systems? (10)

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