Roll No. Total No. of Pages : 02

Total No. of Questions: 18

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

Subject Code: BTCS-501 M.Code: 70534

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

Jaloer cold

- 1. Mention the protocols used by IPSec to provide security.
- 2. Why does ESP include a padding field?
- 3. What is meant by CBC-MAC?
- 4. What is fading?
- 5. List different IKE phases.
- 6. What is IS-95B for 2.5G CDMA?
- 7. List advantages of Wireless Local Loop?
- 8. Will Bluetooth and Wireless LAN interfere with each other?
- 9. Define Personal Area Network?
- 10. What is Authentication header?

1 | M-70534 (S2)-59

SECTION-B

- 11. Provide a simple overview of IPv6 and compare it with IPv4.
- 12. Write a note on Internet Key Exchange protocol.
- 13. Compare Adhoc and Cellular networks.
- 14. Explain different types of Handoff strategies. What are the problems addressed by these techniques.
- 15. Write down a note on the evolution of wireless communication systems.

SECTION-C

- 16. List the order of various extension headers used in IPv6. Also explain their formats.
- 17. a) Describe the evolution of 2.5 G TDMA standards.
 - b) Write a note on Bluetooth technology.
- 18. What is the difference between proactive and reactive routing protocols? Explain in detail **any two** routing protocols used in Adhoc networks?

NOTE: Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.

2 M-70534 (S2)-59