Roll No. ☐☐☐☐☐☐☐☐☐☐☐   **Total No. of Pages : 02**

Total No. of Questions : 18

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B.Tech.(CSE/IT) (2011 Onwards)   (Sem.–5)
COMPUTER NETWORKS-II
Subject Code : BTCS-501
M.Code : 70534

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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.**

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SECTION-A

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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?

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.