UNIT V

19. Explain the following in detail :

    (a) SSL

    (b) TLS.

Or

20. Briefly explain about IP sec and voice over IP protocols.

B.Tech. DEGREE EXAMINATION,
NOVEMBER/DECEMBER 2016.

Seventh Semester

Computer Science and Engineering

NETWORK PROTOCOLS

(2013-2014 onwards)

Time : Three hours   Maximum : 75 marks

PART A — (10 × 2 = 20 marks)

Answer ALL questions.

1. Define hybrid topology.

2. What is telnet?

3. What are the main functions of the presentation layer?

4. What is RUDP?

5. Give some advantages and disadvantages of the connectionless services.

6. What is ICMP basic error format?

7. What are the requirements for error control mechanism?

8. What is the use of SONET protocol?

9. Define network security.

10. What is the function of Kerberos?

PART B — (5 × 11 = 55 marks)

Answer ALL questions, ONE from each Unit.

UNIT I

11. What is TCP/IP model? Explain the function and protocols and services of each layers. Compare it with OSI model.

Or

12. Explain the following in detail :

 (a) DNS

 (b) FTP

 (c) HTTP.

UNIT II

13. Explain the following protocols :

 (a) TCP (b) UDP.

Or

14. Explain all the session layer protocols in detail.

UNIT III

15. Explain IP package with its components in detail.

Or

16. Explain the following network layer protocols :

 (a) DVMRP

 (b) IGMP

 (c) MPLS protocols.

UNIT IV

17. Explain the following protocols :

 (a) IPCP

 (b) ARP

 (c) RARP.

Or

18. Explain the various cabling techniques used in IEEE 802.3 standard.