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B.E / B.Tech ( Full Time ) DEGREE END SEMESTER EXAMINATIONS, NOV/DEC 2013

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Semester VI

EC383-COMPUTER NETWORKS

(Regulation 2004)

Time: 3 Hours

Answer ALL Questions

Max. Marks 100

**PART-A (10 x 2 = 20 Marks)**

1. What are the functions of data link layer?
2. What are the advantages of ATM.
3. Define SCTP. In which layer of protocol it comes under?
4. What is network virtual terminal?
5. Explain line coding.
6. What is a window size in sliding window protocol?
7. Define flow control algorithm.
8. Write brief about internetworking.
9. Give two differences between circuit switching and packet switching.
10. What is IPng? In which version of internet protocol it belongs to?

**Part – B ( 5 x 16 = 80 marks)**

11. Discuss in detail, about OSI reference model.
12. a) Explain SS7 in detail

OR

- b) Explain the protocol standards of IEEE 802.5.

13. a) Explain transparent and source routing bridges.

**OR**

b) Explain internetworking and interconnection issues in bridges.

14. a) i) Explain the two versions of internet protocols. (16)

**OR**

b) Explain in detail about the protocol

i) RARP

ii) ARP

15. a) i) Explain with an example about connectionless port and discuss the advantage and disadvantage for the same. (10)

ii) Write notes on Network security. (6)

**OR**

b) With an example for each Write short notes for the following

i) TELNET

ii) NFS

iii) RPC

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