

Roll No.....

Examination May-2014

Total No. of Pages: 02]

BCA (Sem. – 6th)

Computer Networks

SUBJECT CODE: BSBC – 603

Paper ID: A2379

Time: 03 Hours

Maximum Marks: 60

Instruction to Candidates:

- 1) Section – A is **Compulsary**.
- 2) Attempt any **Four** questions from Section – B.

Section – A

Q 1)

(10 x 2 = 20)

- a) Explain WAN
- b) Internetworking
- c) Optical Fiber
- d) What is HDLC? How it is different from SDLC.
- e) Co-axial Cable
- f) Flow Control
- g) SLIP & PPP
- h) Leased Line
- i) Frequency Spectrum
- j) Optimality Principle

Section – B

(4 x 10 = 40)

Q 2) What are network topologies? Explain various network topologies with their advantages and disadvantages.

Q3) Explain various types of wireless transmission in brief.

Q4) What is Multiplexing. Explain its various types in brief.

Q5) What is Ethernet? Explain IEEE Standards.

Q6) a) What is Packet Switching?

b) Explain various services of Data link layer.

Q7) a) Explain CSMA/CD/CA.

b) Explain Parallel & Serial transmission concepts.

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