

Roll No.....

**Examination May-2014**

**Total No. of Pages: 02]**

**BCA (Sem. – 6<sup>th</sup>)**

**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.

————— End —————