

Roll No.

Total No. of Pages : 02

Total No. of Questions : 07

BCA (Sem.-4th)**COMPUTER NETWORKS**

Subject Code : BC-401 (2007 to 2010 Batch)

Paper ID : [B0215]

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 SIX questions carrying TEN marks each and students has to attempt any FOUR questions.

SECTION-A

1. Write briefly :

- (a) What is full duplex? List any two examples of full duplex.
- (b) Explain the difference between parallel and serial data transmission.
- (c) Draw and explain the structure of co-axial cable.
- (d) Explain the difference between microwave and radio transmission.
- (e) List various functions of data link layer.
- (f) What are advantages and disadvantages of mesh topology?
- (g) What is Framing ? Explain its role in networking.
- (h) List various merits and demerits of synchronous data transmission.
- (i) Define SDLC.
- (j) List different types of routing algorithms.

SECTION-B

2. What is Multiplexing? Discuss different types of multiplexing with their relative merits and demerits.
3. What is unguided network media? Explain different unguided network media with their advantages and disadvantages.
4. Compare and contrast various network switching techniques.
5. What is OSI network model? Explain how it is different from TCP/IP network model.
6. What are various IEEE standards? Explain their role in computer networking.
7. Write notes on the following :
 - (a) SLIP and PPP
 - (b) CDMA

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