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Total number of pages: [1]

B.C.A./ 6th Sem

Computer Networks

Subject Code: BSBC603

Paper ID: 2011

Reg / RP.
batch onwards

Time allowed: 3 Hrs

Max Marks: 60

Important Instructions:

- All questions are compulsory
- Assume any missing data
- Additional instructions, if any

PART A (10x 2marks)

Q. 1. Short-Answer Questions:

- (a) What is network topology?
- (b) Differentiate between Internet, Intranet and Extranet?
- (c) What do you mean duplex communication?
- (d) What is the use of modem?
- (e) What is Local Area Network?
- (f) What is circuit switching?
- (g) What do you mean by framing?
- (h) Explain SLIP.
- (i) What is multiplexing? List its types.
- (j) List various IP classes.

PART B (5x8marks)

Q. 2. Explain various modes of communication in computer networks.

CO1

OR

Differentiate LAN, MAN and WAN.

CO1

Q. 3. Write a note on 1) Ring topology 2) Star topology

CO2

OR

What is different transmission media used in computer networks? Explain.

CO2

Q. 4. What is switching? Explain and differentiate circuit, packet switching methods.

CO3

OR

Compare OSI reference model with TCP/IP reference model in detail with diagrams.

CO3

Q. 5. Write functions of data link layer in detail.

CO4

OR

Explain FDM and TDM.

CO4

Q. 6. Explain functions of the following devices:

CO5

- a) Router
- b) Switch

OR

Explain leaky bucket algorithm.

CO5