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Total No. of Pages: 02
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B. C. A. (Sem.-6th)
COMPUTER NETWORKS
Subject Code: BSBC-603
Paper ID: [A2379]

Time: 3 Hrs.   Max. Marks: 60

INSTRUCTIONS TO CANDIDATE:

1. Section-A is compulsory.

2. Section-B Attempt any four questions.

SECTION-A   (10x2=20)

Q. 1. Write Briefly:

(a)   Explain the concept of Half Duplex Communication.

(b)   What is Baud Rate?

(c)   What are the factors which are considered while using topology?

(d)   Explain CDMA.

(e)   Difference between Serial and Parallel Transmission?

(f)   What are the advantages of Leased Line?

(g)   Explain the principle of Optimality.

(h)   What do you understand by SLIP and PPP?

(i)   Explain MAC Address?

(j)   Different between Broadband and Baseband?

Section-B   (4x10=40)

Q. 2.   What is Congestion? How congestion occurs? Explain in detail the congestion Control

policies?

Q. 3.   Why and when OSI Reference Model was invented? Difference between OSI Reference

Model and TCP/IP Reference Model in detail?

Q. 4.   Write short notes on the following:

(a) IEEE 802.5

(b) Coaxial Cable

Q. 5.   What is a Topology? Explain in detail different types of Topologies with their diagrams, advantages and disadvantages.

Q. 6.   What do you understand by Protocols? Explain the purpose of following Protocols:-

DHCP, SMTP, SNMP, HTTP,DNS NNTP, ICMP, POP3

Q. 7.   What is Multiplexing and De-Multiplexing? Explain in detail FDM, TDM and WDM.

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