

OBCA/D-18

COMPUTER NETWORKS

BCA-354

Compulsory Question

- 1.(a)What is Personal Area Networks?
- (b)What is the need of protocol?
- (c)Define Baud rate and Bandwidth.
- (d)Describe Analog Modem.
- (e)What is FDDI?
- (f)What is Bluetooth?
- (g)What is virtual circuit in networking?Give example network layer and datalink layer virtual circuit protocol.
- (h)What is flooding in Computer Network?What is major problem in flooding?

UNIT-I

2.Explain the various layers present in OSI reference model and their functions.

3.Illustrate Client-Server Model.Explain classification and characteristics of Client-Server Model.

UNIT-II

4.Explain guided transmission media along with transmission characteristics.

5.(a)What is multiplexing?Where it is required?Explain different types of multiplexing.

(b)What is DSL Internet

?What are benefits of DSL services?

UNIT-III

6.Write short note on following:

(a)One-bit sliding window protocols

(b)Gigabit Ethernet Implementations

7.(a)What is Wireless LAN?Describe various types of wireless LAN technology.

(b)What is Token ring?Explain addressing and electrical specifications of token ring.

UNIT-IV

8.What is routing?Discuss about distance vector routing with illustration.

9.Discuss various Network Security Issues.What hardware and software technology is used to avoid current popular attacks?