2nd Sem, Level 4 / SD
Subject : Computer Networks

Time : 2 Hrs.   M.M. : 50

SECTION-A

Note: Very short questions. Attempt all ten questions.
(10x1=10)

Q.1   Which layer deals with MAC addressing and data framing.

a)   Application Layer   b)   Physical Layer

c)   Presentation Layer   d)   Data Link Layer

Q.2   Network layer deal data in the form of_____.

a)   Bits   b)   Frames

c)   Packets   d)   None of the above

Q.3   The main advantage of UDP is_____.

a)   More overload   b)   Reliable

c)   Fast   d)   Less overload

Q.4   Ipv4 addresses are managed by which layer.

a)   Application Layer   b)   Physical Layer

c)   Presentation Layer   d)   Network Layer

Q.5   Ipv4 address consists of_____ number of parts.

a)   4   b)   3

c)   5   d)   None of the above

Q.6   Name any two protocols which works on application layer.

a)   FTP and HTTP   b)   TCP and UDP

c)   ARP and ICMP   d)   None of the above

Q.7   IN an OSI model, the lowest layer is the_____ layer.

a)   Application Layer   b)   Physical Layer

c)   Presentation Layer d)   Data Link Layer

Q.8   OSI stands for_____.

a)   Open system interconnection

b)   Operating system interface

c)   Optical service implementation

d)   None of the above

Q.9   Routing is the function of_____ layer.

a)   Physical layer   b)   Network layer

c)   Transport layer   d)   Data link layer

Q.10 IPv4 address consists of_____ number of bits.

a)   20   b)   32

c)   40   d)   128

SECTION-B

Note: Short answer type questions. Attempt any six questions out of eight questions.   (6x5=30)

Q.11 Differentiate between transport layer and network layer.

Q.12 What are the various services provided by application layer.

Q.13 What do you mean by hosts and groups in a network.

Q.14 Give any five reasons of how network is essential part of our lives.

Q.15 Explain the role of transport layer in the delivery of data.

Q.16 Explain how routing of data packets is done by network layer.

Q.17 Write short note on MAC addressing and data framing.

Q.18 List any five functions of data link layer.

SECTION-C

Note: Long answer type questions. Attempt any one question out of two questions.   (1x10=10)

Q.19 What do you mean by LAN. Explain various features and advantages of LAN over WANS.

Q.20 What is the use of Ipv4 address in network. Explain with example the address assignment and calculation in a network,