Roll No. ....

6 th Sem. / ECE, ECE (For Speech and Hearing Impaired)

Subject : Computer Networks

Time : 3 Hrs.   M.M. : 60

SECTION-A

Note: Multiple choice questions. All questions are compulsory   (6x1=6)

Q.1 TCP/IP model does not have _____layer but OSI model have this layer.

     a) Session layer   b) Transport layer

     c) Network layer   d) Application layer

Q.2 Which one of the following is not a network topology ?

     a) Bus   b) Ring

     c) Tree   d) Host to Host

Q.3 Which multiple access technique is used by IEEE 802.11 standard for wireless LAN?

     a) CDMA   b) ALOHA

     c) CDMA/CA   d) CSMA/CD

Q.4 The term HTTP stands for ?

     a) Hypertext transfer program

     b) Hypertext trancing program

     c) Hypertext trancing protocol

     d) Hypertext transfer protocol

Q.5 In networking, the term PING refers to

     a) Assigning IP address

     b) Filtering Network traffic

     c) Managing Network Security

     d) Testing Network Connectivity

Q.6 What is HUB?

     a) Software   b) Network Device

     c) Computing device   d) Protocol

SECTION-B

Note: Objective/ Completion type questions. All questions are compulsory.   (6x1=6)

Q.7 MAN stands for_____.

Q.8 Default subnet mask for Class B is _____.

Q.9 Switch operates on the____layer of OSI reference model.

Q.10 In Cloud computing, PaaS stands for____.

Q.11 Expand NIC____.

Q.12 Wimax stands for _____.

SECTION-C

Note: Short answer type questions. Attempt any eight questions out of ten questions.   (8x4=32)

Q.13 Explain briefly server client model .

Q.14 Explain TCP/IP model layered structure.

Q.15 Write a note on supernetting .

Q.16 Write a note on IPv6 Header.

Q.17 Differentiate between Thick Ethernet and Thin Ethernet.

Q.18 Find the following related to 191.10.10.20 IP address:

a) Class of IP address

b) Network ID

c) No. of Usable Host

d) Broadcast ID

Q.19 Write a note on cryptography.

Q.20 Write short note on :

a) PING

b) IPCONFIG

Q.21 Explain Li-Fi.

Q.22 Write characteristics of cloud computing.

SECTION-D

Note: Long answer type questions. Attempt any two questions out of three questions.   (2x8=16)

Q.23 Explain OSI reference model with diagram in detail.

Q.24 Explain different types of networking topologies ?

Q.25 Write technical note on the following:

a) Router

b) Switches