Roll No. ....

**5th Sem./ Computer, Artificial Intelligence &
Machine Learning,Computer
(For Speech & Hearing Impaired)
Subject : Computer Network**

Time : 3 Hrs.　　　　　　　　　　　　　　M.M. : 60

SECTION-A

**Note: Multiple Choice Questions. All Questions are
compulsory.　　　　　　　　(6x1=6)**

Q.1　OSI model has _____ layers.

a)　7　　　　　　　　b)　5

c)　6　　　　　　　　d)　8

Q.2　Which of the following protocol is used for E-mail
　　　service

a)　HTTP　　　　　　b)　IP

c)　SMTP　　　　　　d)　PPP

Q.3　In networking, what does the term PING refers to

a)　Filtering Network Traffic

b)　Testing Network Connectivity

c)　Assigning IP address

d)　Managing Network Security

Q.4　Physical or Logical arrangement of network is

a)　Routing　　　　　b)　Networking

c)　Controlling　　　　d)　Topology

Q.5　Which topology is used in Ethernet

a)　Bus Topology　　　b)　Ring Topology

c)　Tree Topology　　　d)　Mesh Topology

Q.6　LAN Stands for

a)　Less Access Network　b)　Local Area Network

c)　Less Area Network　　d)　Local Access Network

Section-B

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

Q.7　What is WLAN.

Q.8　Explain ARP.

Q.9　What is the main advantage of Network.

Q.10　Define Congestion.

Q.11　What is Router.

Q.12　Define Topology

Section-C

**Note: Short answer type Question. Attempt any eight
questions out of Ten Questions.　　(8x4=32)**

Q.13　Difference between Star & Bus Topology.

Q.14　Define Modem. Explain its types.

Q.15　Explain TCP/IP Model.

Q.16   Difference between IPv4 & IPv6.

Q.17   Write characteristics of Cloud Computing.

Q.18   Explain Classless addressing.

Q.19   Difference between WIFI & Bluetooth.

Q.20   Write a short note on (a) Gateway (b) Cryptography

Q.21   Explain Peer to Peer Network.

Q.22   Write short note on the following   (a) PING (b) IPCONFIG

Section-D

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

Q.23   Explain OSI Model.

Q.24   Explain IP addressing in detail.

Q25   Write short note on (a) Ethernet (b) Hub   (C) Physical addressing (d) IEEE Standards