Level 4 / 2nd. Sem. / DVOC

SD

Subject : Maintenance of Computer System

Time : 2 Hrs.   M.M. : 50

SECTION-A

Note: Very short answer type questions. All questions are compulsory   (10x1=10)

Q.1   Which layer of OSI model is closer to the user?

Q.2   Mention any one concerns of physical layer.

Q.3   Which hardware is used in physical layer?

Q.4   Mention one difference between hub and a switch.

Q.5   Write down the full form of LAN.

Q.6   Define network.

Q.7   Define signal.

Q.8   Physical layer transmits data in the form of bit streams using electrical and mechanical systems. (True/False)

Q.9   Define port.

Q.10   What is meant by IP Address?

SECTION-B

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

Q.11   How data is communicated through LAN?

Q.12   Write a short note on verifying connectivity.

Q.13   How a network device in configured? Explain with example.

Q.14   Explain the advantage of subnetting.

Q.15   Explain various types of communication signals used in network.

Q.16   Write a short note on device interconnections.

Q.17   How ethernet frames are generated?

Q.18   Write a short note on monitoring and documenting networks.

SECTION-C

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

Q.19   Write note on following:-
a)   Ethernet
b)   Address Resolution Protocol

Q.20   Draw the networking diagram and calculate the subnet of following classic IP
192.168.10.10
No. of Routers : 2   No. of Network : 4
No of Host in each network = 0
Network (i) = 20 & 10
Network (ii) = 30 & 10