5th Sem / Branch : Eltx.
Sub.: Computer Networks

Time : 3Hrs.   M.M. : 100

SECTION-A

Note: Multiple choice questions. All questions are compulsory   (10x1=10)

Q.1   Communication between a computer and a keyboard involves_____transmission.   (CO1)
a)   Automatic   b)   Half-duplex
c)   Full-duplex   d)   Simplex

Q.2   OSI stands for _____.   (CO3)
a)   Open system interconnection
b)   Operating system interface
c)   Optical service implementation
d)   Open service internet

Q.3   _____ layer is known as host to host layer. (CO1)
a)   Physical layer   b)   Transport layer
c)   Application layer   d)   Host to network

Q.4   The preamble of an Ethernet packet consists of a _____   (CO3)
a)   6 bytes   b)   4 bytes
c)   7 bytes   d)   8 bytes

Q.5   A device that is used to connect a number of LANs is-   (CO6)
a)   Router   b)   Repeater
c)   Bridge   d)   Switch

Q.6   A ____ is a Local Area Network without wires or cables.   (CO4)
a)   Network mapper   b)   NIC
c)   WLAN   d)   None of these

Q.7   _____ topology is the simplest topology that connects two nodes directly together with a common link.   (CO1)
a)   Point to Point   b)   Line
c)   Ring   d)   Star
e)   None

Q.8   IP address 3.13.73.125 belongs to _____   (CO7)
a)   Class A   b)   Class B
c)   Class E   d)   Class F

Q.9   _____ connectors are used for connecting fiber-optic cabling to networking devices.   (CO2)
a)   BNC connectors   b)   SC/ST connectors
c)   RJ 45 connector   d)   RJ 11 connector

Q.10 A program which is used to manage all about electronic mails on the network is called.   (CO8)
a)   Web server   b)   Mail server
c)   File server   d)   DNS server

SECTION-B

Note: Objective type questions. All questions are compulsory. (10x1=10)

Q.11 _____ are very small networks with in a single building or campus up to few kilometers. (CO1)

Q.12 Physical layer provides its services to _____ layer. (Co1)

Q.13 TCP stands for _____ and IP for _____. (CO3)

Q.14 VOIP Stands_____. (CO5)

Q.15 A person who breaks into other people's computers with malicious intention is called. (CO8)

Q.16 Li-Fi stands for_____. (CO9)

Q.17 10 base T is also called_____ Ethernet. (CO2)

Q.18 UDP stands for _____. (CO7)

Q.19 Name any two network topology. (CO1)

Q.20 Define network security. (CO8)

SECTION-C

Note: Short answer type questions. Attempt any twelve questions out of fifteen questions. (12x5=60)

Q.21 Discuss ring topology along with its advantages and disadvantages. (CO1)

Q.22 Write any five differences between circuit switching and Datagram approach. (CO1)

Q.23 Explain the services provided by the Data Link layer in brief? (CO1)

Q.24 What is IP addressing? Explain in brief IP address format. (CO5)

Q.25 Name various network connecting devices. Explain NIC is brief. (CO4)

Q.26 Write a short note on repeaters. (CO4)

Q.27 Explain briefly about ethical hacking. (CO7)

Q.28 Explain how router is configured. (CO6)

Q.29 Explain Thin net and Twisted pair Ethernet in brief. (CO2)

Q.30 Explain client server technology in brief. (CO8)

Q.31 Define encryption. Why it is necessary? (CO8)

Q.32 Explain WLAN and LAN in brief. (CO9)

Q.33 What is a Wi-Fi? What are its advantages and applications? (CO9)

Q.34 Distinguish between RJ 45 and RJ11 connectors. (CO2)

Q.35 Explain TCP/IP structure in brief. (CO3)

SECTION-D

Note: Long answer type questions. Attempt any two questions out of three questions. (2x10=20)

Q.36 Explain OSI reference model with diagram in detail. (CO3)

Q.37 Distinguish between Ipv4 and Ipv6. (CO7)

Q.38 Define VOIP. Explain its architecture. (CO8)