

- Q.33 Explain about packet switching technique.
 Q.34 Write short note on Wi-fi.
 Q.35 Write the features of WiMax technology.

Section-D

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

- Q.36 What is network topology? Explain different types of network topologies.
 Q.37 Explain the IPV 4 packet format in detail.
 Q.38 What are various network connectivity devices? Explain in detail.

B)

No. of Printed Pages : 4
 Roll No.....

171062A/30861

6th Sem /Electronics & Communication/ Computer Engg. Subject : Computer Networks/ Troubleshooting of Computer Networks.

Time : 3 Hrs.

M.M. : 100

SECTION-A

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

- Q.1 NAT stands for
 a) Network address transformer
 b) Network Address transmission
 c) Network address translation
 d) None of these
- Q.2 Communication channel is shared by all the machines on the network is _____.
 a) Broadcast Network b) Unicast Network
 c) Multicast Network d) Anycast Network
- Q.3 In the OSI model, as a data packet moves from the lower to the upper layers, headers are _____.
 a) Added b) Removed
 c) Rearranged d) Randomized
- Q.4 MAC addresses are also known as?
 a) Hardware address b) Physical address
 c) Both A & B d) IP address
- Q.5 TCP/IP model does not have _____ layer but OSI

model have this layer.

- a) Session layer b) Transport Layer
- c) Application layer d) Network layer

Q.6 What is the address size of IPv6?

- a) 32 bits b) 64 bits
- c) 128 bits d) 256 bits

Q.7 What is the full form of RAID?

- a) Random Access of Important Disks.
- b) Random Access of independent Disks.
- c) Redundant Array of Important Disks.
- d) Redundant Array of Independent Disks.

Q.8 191.205.16.32 is an example of which network?

- a) Class A b) Class B
- c) Class C d) Class D

Q.9 Name of optical fiber cable connector is

- a) BNC b) RJ45
- c) SC and ST d) None of these

Q.10 IEEE 802.11 standard is used for _____

- a) Token Ring LAN b) Ethernet LAN
- c) Logical Link Control d) WLAN

Section B

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

Q.11 MAN stands for _____.

Q.12 OSI stands for _____.

(2)

171062A/30861

Q.13 Routers operates on the _____ layer of OSI reference model.

Q.14 Class C address range is _____.

Q.15 IP has two parts _____ and Host.

Q.16 PINK Stands for _____.

Q.17 Define Cryptography.

Q.18 Define network administration.

Q.19 The IP addresses of the format _____._____ are reserved for loop back testing.

Q.20 Li-Fi stands for _____.

Section-C

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

Q.21 What is a computer network? Write the needs of a computer network.

Q.22 What is router? Explain.

Q.23 Write short note on subnetting?

Q.24 Write short note on physical addressing.

Q.25 Explain the frame format of IEEE 802.3.

Q.26 What are the various functions of Data link Layer?

Q.27 Explain different types of network cabling.

Q.28 What do you mean by RAID management?

Q.29 Explain peer to peer network model.

Q.30 Explain VOIP.

Q.31 Describe Ethical Hacking.

Q.32 Write short note on encryption.

(3)

171062A/30861