

INTRODUCTION TO ICT RESOURCES (M4.3-R4-01-18)

1. Each question below gives a multiple choice of answers. Choose the most appropriate one and enter in "OMR" answer sheet supplied with the question paper, following instructions therein.

1.1	The circuit used to store one bit of data is known as	
	A) Encoder	B) Decoder
	C) Flip-Flop	D) Register
1.2	USB Stands for	
	A) Universal Serial Bus	B) Universally accepted Serial Bus Controller
	C) Universe Serial Bus Controller	D) None of the Above
1.3	Cache Memory acts between	
	A) CPU and RAM	B) RAM and ROM
	C) CPU and Hard Disk	D) None of the above
1.4	When CPU is executing a program that is part of the Operating System, It is said to be in	
	A) Interrupt Mode	B) System Mode
	C) Half Mode	D) Simplex Mode
1.5	Transmission Control Protocol corresponds to	
	A) Network Layer	B) Data Link Layer
	C) Application Layer	D) Transport Layer
1.6	When a host on network A sends a message to a host on Network B, Which address does the router look at ?	
	A) Port	B) Logical
	C) Physical	D) None of the Above
1.7	What group on Windows NT Workstation has the right to take ownership?	
	A) Users	B) Administrators
	C) Print Operators	D) Account Operators
1.8	A Binary digit is called a	
	A) Bit	B) Byte
	C) Number	D) Character
1.9	Ping stands for	
	A) Packet Internet Gopher	B) Packet Interrupt Gather

	C) Pulse Interactive Gopher	D) Packet Interactive Gopher
1.10	The network address of 172.16.0.0/19 provides how many subnets and hosts?	
	A) 7 subnets, 30 hosts each	B) 8 subnets, 8,190 hosts each
	C) 8 subnets, 2046 hosts each	D) 7 subnets, 2046 hosts each

Answers

1.1 – (C)	1.2 – (A)	1.3 – (A)	1.4 –(B)	1.5 – (D)
1.6 – (B)	1.7 – (A)	1.8 – (A)	1.9 – (A)	1.10- (B)

2. Each statement below is either TRUE or FALSE. Choose the most appropriate one and enter your choice in the “OMR” answer sheet supplied with the question paper, following instructions therein.

2.1	In Windows NT, Official Meaning of NT according to Microsoft is stands for New Technology
2.2	A nibble is a group of 16 bits
2.3	Port address is assigned by transport layer
2.4	256.21.120.1 is valid IP Address
2.5	IPV4 Address is 32 Bit
2.6.	Network Layer is responsible for packet sequencing, acknowledgements and requests for re-transmission.
2.7	TCP is a connection oriented protocol
2.8	The performance of Laser Printer is better than Dot Matrix Printer
2.9	FAT file systems can store bigger files compared to NTFS file system.
2.10	The network layer uses physical addresses to route data to destination hosts.

Answers

2.1 – TRUE	2.2 – FALSE	2.3 – TRUE	2.4 – FALSE	2.5 – TRUE
2.6 – FALSE	2.7 – TRUE	2.8 – TRUE	2.9 – FALSE	2.10- FALSE

3. Math words and phrases in column X with the closest related meaning/words/ phrases(s) in column ‘Y’. Enter your selection in the “OMR” answer sheet supplied with the question paper, following instructions herein

X		Y	
3.1	IP	A.	Network Topology
3.2	PKZIP	B.	Data Link Layer

3.3	BIOS	C.	File Allocation Table
3.4	MESH	D.	Format Achieve Tabs
3.5	SMPS	E.	Network Layer
3.6	LLC Sub Layer	F.	Presentation Layer
3.7	Telnet is a	G.	Basic Input/ Output System
3.8	Encryption	H.	Remote Login
3.9	FAT	I.	Application Layer
3.10	FTP Corresponds to _____	J.	Internet Protocol
		K.	Compression
		L.	System Management Power Supply
		M.	Switched Mode Power Supply

Answers

3.1 – (J)	3.2 – (K)	3.3 – (G)	3.4 – (A)	3.5 – (M)
3.6 – (B)	3.7 – (H)	3.8 – (F)	3.9 – (C)	3.10- (I)

4. Each statement below has a blank space to fit one of the word(s) or phrase(s) in the list below. Choose the most appropriate option, enter your choice in the “OMR” answer sheet supplied with the question paper, following instructions therein.

A.	Network	B.	Recovery Console	C.	Partition
D.	Data Link	E.	POST	F.	Attrib
G.	Digital Versatile Disk	H.	Protocol	I.	Cassette Disk
J.	WAN	K.	Boot Record	L.	Mother Board
M.	LAN				

4.1	DVD Stands for _____
4.2	Routers are part of the _____ Layer
4.3	A Computer Network that spans a relatively large geographical area is called _____
4.4	During _____ Computer Checks most of its Parts
4.5	_____ is a set of rules and standards that two entities use for communication.
4.6.	_____ is a division of a hard drive that can be used to hold logical drives.
4.7	BIOS located on the _____
4.8	_____ is the first sector of a floppy disk or logical drive in a partition, it contains information about the disk or logical drive.
4.9	The _____ in windows 2000 can be used to execute commands when troubleshooting a failed boot.
4.10	The _____ command displays or changes the read only archive, system and hidden characteristics of files.

Answers

4.1 – (G)	4.2 – (A)	4.3 – (J)	4.4 – (E)	4.5 – (H)
4.6 – (C)	4.7 – (L)	4.8 – (K)	4.9 – (B)	4.10- (F)

Answer any Four Questions

5.

- a) Explain following terms
 - i) Virus
 - ii) Antivirus
- b) Explain LAN, MAN and WAN.
- c) What is router? Explain Router.

6.

- a) Write a short note on DVD
- b) What is the need of Backup? Explain Windows Backup Utility.
- c) Differentiate Impact Printer and Non-Impact Printer

7.

- a) Explain Subnetting with Example
- b) What is a Printer? Write Steps to share a printer in Windows NT Network.

8.

- a) Explain the following terms
 - a) Firewall
 - b) Virtual Memory
- b) Explain Features present in the BIOS Setup Utility
- c) What are the main features of Windows NT Operating System

9.

- a) What is Defragmentation of Hard Disks? What are the advantages of it.
- b) Write difference between WinZip and PKZIP utilities