(SET-1)
M4: ICT RESOURCES
PART ONE

Duration:-3:00hrs   **MM: 100**
(Part One – 40; Part Two – 60)

Q. 1. Each question below gives a multiple choice of answers. Choose the most appropriate one and enter in the "tear-off" answer sheet attached to the question paper, following instructions therein.   **(1 X 10)**

1.1 _____ layer of OSI model arranges information from the above layers into frames
(a) Network   (b) Transport   (c) Data Link Layer   (d) Application

1.2 _____ is a collection of related pieces of information which is stored in HDD for easy reference.
(a) Data   (b) File   (c) Information   (d) All of the above

1.3 _____ memory is faster than RAM
(a) EPROM   (b) Pen Drive   (c) HDD   (d) Cache

1.4 _____ belongs to class C address.
(a) 200.200.1.1   (b) 10.10.1.1   (c) 224.1.1.1   (d) 127.0.0.1

1.5 _____ key is used to take snapshot of desktop screen
(a) Alt + Print Screen   (b) Enter + Print Screen
(c) F1 + Print Screen   (d) Print Screen

1.6 The shortcut of Redo is
(a) Ctrl + r   (b) Ctrl + e   (c) Ctrl + y   (d) Ctrl + o

1.7 ISP stands for
(a) Internet Service Provider   (b) Inspection Service Provider
(c) Internet Section Provider   (d) None of the above

1.8 _____ takes decision based on MAC address
(a) HUB   (b) Switch   (c) Router   (d) Gateway

1.9 No. of sub network possible with 10.0.0.0/10 address
(a) Zero   (b) Four   (c) Eight   (d) Sixteen

1.10 One of the important features of Gateway
(a) Filter packet based on Switch Address   (b) Connects two different LAN
(c) Forwards packet based on URL Address   (d) None of the above

Q. 2. Each statement below is either TRUE or FALSE. Choose the most appropriate one and ENTER in the "tear-off" sheet attached to the question paper, following instructions therein.   **(1 X 10)**

2.1 CMOS memory is used to execute programs.

2.2 Window XP operating system can be installed in any folder.

2.3 Attrib command allows a user to change properties of a specified file.

2.4 In peer-to-peer network, each computer runs both client and server software.

2.5   UTP cable has a single copper core.

2.6   UDP is connection-oriented protocol.

2.7   Terminal services provide multi-session environment.

2.8   Generally, TCP Port 80 is used for HTTP traffic.

2.9   FAT file systems can store bigger files compared to NTFS file system.

2.10   Firewire is faster than USB

Q. 3. Match words and phrases in column X with the closest related   meaning/word(s)/ phrase(s) in column Y. Enter your selection in the "OMR" answer sheet supplied with the question paper, following instructions therein.   **(1 X 10)**

	X		Y
3.1	POST	A.	Extension of windows installation file
3.2	Byte	B.	Wireless Ethernet
3.3	Twisted pair	C.	Forward packets
3.4	Wi-Fi	D.	Standard alphanumeric code
3.5	TRACERT	E.	Name resolution
3.6	MAC	F.	Network Interconnection
3.7	Router	G.	Cross talk
3.8	Bridge	H.	Set up default gateway address
3.9	TCP/IP	I.	Check path to destination computer
3.10	DNS	J.	Power on self test
		K.	Ethernet Access
		L.	Unit is used to measure the capacity of RAM

Q. 4 Each statement below has a blank space to fit one of the word(s) or phrase(s) in the list below. Enter your choice in the "OMR" answer sheet attached to the question paper, following instructions therein.   **(1 X 10)**

A.	Title	B.	Pixel	C.	RAM
D.	Physical	E.	Faster	F.	Co-axial
G.	Workgroup	H.	PKzip	I.	Slower
J.	Cartridge	K.	Topology	L.	FTP
M.					

4.1   A window's _____ contains the sizing buttons, which enable you to change the window's size easily.

4.2   _____ is a faster memory than Hard Disk.

4.3   _____ refers to one spot in grid of thousands of such spots that form the images on the computer screen.

4.4   A _____ is a description of the layout of area covered by a network.

4.5   The_____ OSI layer carries signals between computers.

4.6 _____ is a protocol for file transfer.

4.7 A peer-to-peer network, is also known a _____ .

4.8 _____ contain ink for printing in inkjet printers.

4.9 Cache Memory is _____ in speed than secondary storage device.

4.10 _____ is one of the most common network media.

PART TWO

Note: - Answer any FOUR questions

Q. 5. (a) If your computer displays "NTLDR is missing", write any five causes for this play.

(b) Write the procedure to enter the BIOS or CMOS setup.

(c) Write a procedure to install a printer in Microsoft Windows?

(5+5+5)

Q. 6. (a) What is file sharing in Windows Operating System? How to protect files in a shared folder?

(b) Explain the advantages and disadvantages of bus topology.

(c) Explain the features of WinZip utility.

(5+5+5)

Q. 7. (a) What is IP address? What are the different classes in which IP addresses are classified?

(b) Explain transmission modes-Simplex, Half-Duplex and Full-Duplex.

(10+5)

Q. 8. (a) What is defragmenting a disk drive?

(b) What computer viruses? How do you detect and eliminate them?

(c) What are gateways? Why default gateway setting is required on systems connected in network?

(4+5+6)

Q. 9. Write short notes on any three of the following:

(a) How to join a windows client to a windows domain?

(b) Differentiate between hub and switch.

(c) Write a short note on DVD.

(d) Write a short note on FDDI.

(5+5+5)