M3-R3: INTERNET AND WEB PAGE DESIGN

NOTE:

1.	There are **TWO PARTS** in this Module/Paper. **PART ONE** contains **FOUR** questions and **PART TWO** contains **FIVE** questions.
2.	**PART ONE** is to be answered in the **TEAR-OFF ANSWER SHEET** only, attached to the question paper, as per the instructions contained therein. **PART ONE** is **NOT** to be answered in the answer book.
3.	Maximum time allotted for **PART ONE** is **ONE HOUR**. Answer book for **PART TWO** will be supplied at the table when the answer sheet for **PART ONE** is returned. However, candidates, who complete **PART ONE** earlier than one hour, can collect the answer book for **PART TWO** immediately after handing over the answer sheet for **PART ONE**.

TOTAL TIME: 3 HOURS   **TOTAL MARKS: 100**
(PART ONE – 40; PART TWO – 60)

PART ONE
(Answer all the questions)

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   Computers on the internet owned and operated by research institutions form part of the
 A)   com domain
 B)   edu domain
 C)   mil domain
 D)   None of the above.

1.2 Linux is
A) A person
B) A file
C) A program for copying files from one computer to another
D) An Operating system.

1.3 All web addresses start with which of the following?
A)   htp
B)   http://
C)   http:/
D)   www

1.4 The method of transferring files with roots in Unix is
A) Bin Hex
B) Unencoding
C) FTP
D) Telnet

1.5 In HTML language the tag <U> displays text as
A) Boldface
B) Italics
C) Underlined
D) Colored

1.6 The H in HTML stands for
A) Hypo
B) High
C) Higher
D) Hyper

1.7 SMTP is a simple
A) TCP protocol
B) TCP/IP protocol
C) IP protocol
D) None of the above.

1.8 Main protocol used in Internet
A) IPX/SPX
B) TCP/IP
C) Token Bus
D) X.25

1.9   Web pages are uniquely defined using
A)   IP addresses
B)   URL
C)   Domain
D)   Filename

1.10 A word that looks underlined on a web page is usually
A)   an important word
B)   the web address
C)   a "link" to another web page
D)   a mistake

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 Telnet is commonly used for remotely configuring routers or running applications on different hosts on a network.

2.2 Unsolicited commercial e-mails are called SPAM.

2.3 The two parts of e-mil address is separated by @ symbol.

2.4 URL is simply an address of a document on the Internet.

2.5 IP addresses are unique.

2.6 SNMP is used for e-mail services on the Internet.

2.7 ASCII is used for designing web pages.

2.8 Browser is a program that searches documents for specific key words and returns a list of documents.

2.9 HTML does not allow a web page to include an image.

2.10 Firewalls cannot protect against viruses.

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 "tear-off" answer sheet attached to the question paper, following instructions therein. **(1 x 10)**

	X		Y
3.1	Web browser	**A.**	CGI
3.2	Colors that change like a sparkling rainbow effect is called	**B.**	VT-100
3.3	A small program that can be embedded in another application	**C.**	.mil
3.4	Telnet	**D.**	Applet
3.5	An accepted standard for interfacing web servers and external applications.	**E.**	FTP
3.6	An equipment used for establishing dialup connections to the internet	**F.**	View information on Internet
3.7	A most common type of terminal emulation	**G.**	Iridescence
3.8	Front page	**H.**	remote login sessions
3.9	Domain names for military institutions	**I.**	Modem
3.10	A protocol used for transferring files on the Internet	**J.**	develop web sites
		K.	create database
		L.	.edu
		M.	IRC
		N.	.gov

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 "tear-off" answer sheet attached to the question paper, following instructions therein.** (1 x 10)

A.	VB Script	**B.**	four	**C.**	</body)
D.	methods	**E.**	</A>	**F.**	Java Script
G.	URL	**H.**	firewall	**I.**	V-Chat
J.	applet	**K.**	 	**L.**	three
M.	<UL>	**N.**	attachment		

4.1   Typing the _____ correctly is essential to find web sites.

4.2   HTML tag for creating a line break is_____.

4.3   The _____ tag is used for bulleted, unordered list.

4.4   One of the IRC programs offered by Microsoft is _____.

4.5   _____ is a derivative of visual basic language.

4.6   A(n) _____ is a document that can be sent along with e-mail.

4.7   There are _____ octets in an IP address.

4.8   A(n) _____is a small java program that can be embedded in another application.

4.9   In an object oriented system, a class is a collection of data and _____that operate on that data.

4.10   _____ stops unwanted traffic from entering the network.

PART TWO
(Answer any **four** questions)

5.
a) What is a Local Area Network (LAN)? What are its advantages?
b) Briefly explain a Wide Area Network (WAN)?
c) What does the term Usenet mean?

(8+4+3)

6.
a) Define the Word Wide Web? What are the various features of World Wide Web?
b) What is the difference between Internet and worldwide web? Explain?

(8+7)

7.
a) What are the Internet security Threats? Explain them?
b) Define a firewall and what are its benefits?

(8+7)

8.
a) What is the main purpose of Telnet? What model does Telnet follow? Write a short note how does it operate?
b) What is a Proxy Server? What are the advantages of a Proxy Server?

(8+7)

9. Write short note on the following:
a) Public Key and Private Key
b) Domain Name Servers
c) Browser

(5x3)