

### M3-R3: INTERNET & WEB 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 TCP is a commonly used protocol at
  - A) Applications layer
  - B) Transport layer
  - C) Network layer
  - D) Physical layer
- 1.2 The process of keeping addresses in memory for future use is called:
  - A) Caching
  - B) Routing
  - C) Resolving
  - D) RFC
- 1.3 The following is NOT an Internet search engine:
  - A) Google
  - B) Webcrawler
  - C) Excite
  - D) Scientia ans
- 1.4 The domain name in a URL refers to the
  - A) protocol
  - B) file name
  - C) server
  - D) directory
- 1.5 The World Wide Web integrates which of the following:
  - A) E-mail, Telnet, Usenet
  - B) Sound and movies files
  - C) A and B
  - D) All Internet communication tools

- 1.6 All web addresses start with which of the following?
- A) Htp
  - B) http://
  - C) http:/
  - D) www
- 1.7 Which of the following terms is a “browser”?
- A) Netscape
  - B) World Wide Web
  - C) Launcher
  - D) E-mail
- 1.8 Which of the following is not a method of accessing the web?
- A) ISDN
  - B) MODEM
  - C) DSL
  - D) CPU
- 1.9 A word that is underlined on a web page is usually
- A) Show emphasis
  - B) Recently added to the page
  - C) A link to another web page
  - D) The title of something
- 1.10 What is a cookie?
- A) Computer code used to show animations and play sound.
  - B) Information sent to your computer that is used later to give information back to a visited web site.
  - C) Computer code that automatically records all purchases and payments you make from your computer.
  - D) An advertisement that will at some time be displayed on your computer screen.

**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 the basic Internet service that was designed to transfer files from one computer system to another.
- 2.2 When the cursor pointer changes to a hand you are over a hyperlink.
- 2.3 URL stands for Universal Resource Locator.
- 2.4 Tim Berner-Lee is the “Father” of the WWW.
- 2.5 A feature of using e-commerce is that consumers can make purchases directly from the business on the Internet saving time for both parties.
- 2.6 Usenet is a set of acceptable behaviours that users should follow while on the Internet.
- 2.7 The term “thumbnail”, in relation to a Web site on the Internet, refers to a small version of a larger graphical image that you usually can click to display the full-sized image.
- 2.8 Software that may be used to help you locate Web pages on topics that you do not know the addresses for is called search engines.
- 2.9 Download means to copy a file from your computer to another.
- 2.10 The two main file formats for images on the web are GIF and TIF.

**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 System of electronically joined computers	<b>A.</b> Cursor
3.2 Software that allows you to explore the Internet	<b>B.</b> Network
3.3 Movable indicator on computer screen	<b>C.</b> Download
3.4 To shrink store data in less space	<b>D.</b> Virus
3.5 To conform the identity of a computer user	<b>E.</b> Browser
3.6 Connecting device between computers over a phone line	<b>F.</b> Hit
3.7 Central computer sharing resources and data with other computers on a network	<b>G.</b> Authenticate
3.8 Basic unit of an on-screen image	<b>H.</b> Boot
3.9 To copy a file or program onto a personal computer	<b>I.</b> Server
3.10 Related site on Internet	<b>J.</b> Modem
	<b>K.</b> Compress
	<b>L.</b> Pixel
	<b>M.</b> Link
	<b>N.</b> Scanner

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)

<b>A.</b>	ZIP	<b>B.</b>	Hypertext	<b>C.</b>	<BODY>
<b>D.</b>	 	<b>E.</b>	Browsing	<b>F.</b>	Browser
<b>G.</b>	World Wide Web	<b>H.</b>	Firewall	<b>I.</b>	Archie
<b>J.</b>	URL	<b>K.</b>	Internet	<b>L.</b>	DNS

- 4.1 \_\_\_\_\_ is a program that allows the user to search for and use data on the internet.
- 4.2 \_\_\_\_\_ is a acronym for the address of a document found on the Internet.
- 4.3 HTML tag for creating a line break is \_\_\_\_\_.
- 4.4 \_\_\_\_\_ is a tool to help you find files on anonymous FTP servers.
- 4.5 \_\_\_\_\_ is hardware or software designed to keep network hackers out.
- 4.6 \_\_\_\_\_ is a worldwide collection of computer networks that allows people to find and use information and communicate with others.
- 4.7 A(n) \_\_\_\_\_ program is used to archive and compress files.
- 4.8 \_\_\_\_\_ uses links also called hyperlinks.
- 4.9 Going from one place to another on the Internet is called \_\_\_\_\_.
- 4.10 A huge collection of electronic pages containing information about many different subjects is called \_\_\_\_\_.

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

5.  
a) Write the HTML code for creating the following layout.

**THE EURO CUP RESULTS**

GAME	BRAZIL	GERMANY
1	3	2
2	4	1
3	0	8
4	8	7
5	2	1

- b) What are the Internet security threats? What constitutes a good firewall system?  
(7+8)

6.  
a) Discuss the need for MIME? What are the five different headers specified in MIME?  
b) What are the Web Publishing Tools? Discuss any two of them.  
(7+8)

7.  
a) What are web cookies? Why are they required?  
b) Discuss the Bookmarks.  
c) What is the function of the following buttons in Internet Explorer Toolbar?  
i) Search  
ii) History  
iii) mail  
iv) print  
v) refresh  
(5+5+5)

8.  
a) Describe the function of a router and why it is important.  
b) Describe the differences between star, ring and bus topologies.  
c) The Domain Name System (DNS) plays an integral part in the functionality of the Internet. Describe the functionality of DNS and its component parts.  
(5+5+5)

9. Write short notes on any **three** of the following:  
a) Major Internet Services  
b) TELNET  
c) Search Engine  
d) JavaScript  
(5x3)