A2-R4: INTERNET TECHNOLOGY & WEB DESIGN

अवधि: 03 घंटे
DURATION: 03 Hours

अधिकतम अंक: 100
MAXIMUM MARKS: 100

परीक्षार्थी का नाम: __________________________
Name of Candidate: __________________________

परीक्षार्थी के हस्ताक्षर: __________________________
Signature of candidate: __________________________

Instructions for Candidate:

Carefully read the instructions given on Question Paper, OMR Sheet and Answer Sheet.

Question Paper is in English language. Candidate can answer in English language only.

There are TWO PARTS in this Module/Paper. PART ONE contains FOUR questions and PART TWO contains FIVE questions.

PART ONE is Objective type and carries 40 Marks. PART TWO is subjective type and carries 60 Marks.

PART ONE is to be answered in the OMR ANSWER SHEET only, supplied with the question paper, as per the instructions contained therein. PART ONE is NOT to be answered in the answer book for PART TWO.

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.

Candidate cannot leave the examination hall/room without signing on the attendance sheet and handing over his Answer sheet to the invigilator. Failing in doing so, will amount to disqualification of Candidate in this Module/Paper.

After receiving the instruction to open the booklet and before answering the questions, the candidate should ensure that the Question booklet is complete in all respect.

DOB NOT OPEN THE QUESTION BOOKLET UNTIL YOU ARE TOLD TO DO SO.
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 “OMR” answer sheet supplied with the question paper, following instructions therein. (1x10)

1.1 A webpage displays a picture. What tag was used to display that picture?
A) picture B) image C) img D) src

1.2 <b> tag makes the enclosed text bold. What is other tag to make text bold?
A) <strong> B) <dar> C) <black> D) <emp>

1.3 Which tag inserts a line horizontally on your web page?
A) <hr> B) <line> C) <line direction="horizontal"> D) <tr>

1.4 Which of the following protocol is used by remote login?
A) telnet B) ftp C) smtp D) ntp

1.5 What should be the first tag in any HTML document?
A) <head> B) <title> C) <html> D) <document>

1.6 What should be the last tag in any HTML document?
A) </head> B) </html> C) </title> D) </document>

1.7 Which of the following is a search engine?
A) Twitter B) Facebook C) myspace D) google

1.8 To create HTML document you require a
A) Web page editing software B) High powered computer C) Just a notepad can be used D) None of above

1.9 The special formatting codes in HTML document used to present content are
A) tags B) attributes C) values D) None of above

1.10 In HTML document the tags
A) Should be written in upper case B) should be written in lower case C) should be written in proper case D) can be written in both uppercase or lowercase

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. (1x10)

2.1 JavaScript runs on the web server.
2.2 DVD stands for Digital Versatile Disc.
2.3 IMAP is a geographic information system.
2.4 You can use freeware for as long as you want without having to pay for it.
2.5 Apache is only most popular web browser.
2.6 UDP stands for User Datagram Protocol.
2.7 A username is a string of bits used for authenticating a user on a computer system.
2.8 A CAPTCHA is a program that is use to vary a computer.
2.9 NNTP is a Network Node Transfer Protocol.
2.10 Ripping is the way of copying user’s data from USB to Hard disk.
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. (1x10)

<table>
<thead>
<tr>
<th>X</th>
<th>Y</th>
</tr>
</thead>
<tbody>
<tr>
<td>3.1 Extensible Markup Language</td>
<td>A. Open source</td>
</tr>
<tr>
<td>3.2 Authenticate the contents of electronic documents</td>
<td>B. Archie</td>
</tr>
<tr>
<td>3.3 Publish content on the Web Server</td>
<td>C. Digital Signature</td>
</tr>
<tr>
<td>3.4 Gain unauthorized access</td>
<td>D. XML</td>
</tr>
<tr>
<td>3.5 Business over the Internet</td>
<td>E. WINZIP/PKZIP</td>
</tr>
<tr>
<td>3.6 Maximum data transfer rate</td>
<td>F. Amazon</td>
</tr>
<tr>
<td>3.7 Program Code freely available</td>
<td>G. LAN</td>
</tr>
<tr>
<td>3.8 Ethernet technology</td>
<td>H. Transport layer</td>
</tr>
<tr>
<td>3.9 Reduce size of a file</td>
<td>I. Hacker/attacker</td>
</tr>
<tr>
<td>3.10 Search files on ftp server</td>
<td>J. Authoring tool</td>
</tr>
<tr>
<td></td>
<td>K. Web Publication</td>
</tr>
<tr>
<td></td>
<td>L. CSMA/CD</td>
</tr>
<tr>
<td></td>
<td>M. Bandwidth</td>
</tr>
</tbody>
</table>

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. (1x10)

<table>
<thead>
<tr>
<th>A. Contents</th>
<th>B. Body</th>
<th>C. &lt;hr&gt;</th>
</tr>
</thead>
<tbody>
<tr>
<td>D. HTML</td>
<td>E. frame</td>
<td>F. form</td>
</tr>
<tr>
<td>G. img</td>
<td>H. markup</td>
<td>I. header</td>
</tr>
<tr>
<td>J. &lt;a&gt;</td>
<td>K. colspan</td>
<td>L. Web</td>
</tr>
<tr>
<td>M. div</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

4.1 HTML is considered as ________ language.
4.2 HTML tags are used to describe document ________.
4.3 Page Designed in HTML is called as ________.
4.4 HTML program is saved using ________ extension.
4.5 ________ tag inserts a line horizontally on your web page.
4.6 ________ Defines a section in a document.
4.7 ________ Defines an HTML form for user input
4.8 In html document, image can be displayed using ________ tag.
4.9 ________ defines a header for a document or section.
4.10 To create the hyperlink in web page, we use ________ tag.
PART TWO
(Answer any FOUR questions)

5. a) Explain the working of Web Server and Web Browser.
b) Explain briefly: PKI.
c) Define Meta Search Engine. List the various advantages of Meta Search Engine. (5+5+5)

6. a) What is E-Commerce? How it can be useful in the market?
b) Explain the process of uploading and downloading file in FTP server.
c) What is IRC? Explain in brief. (5+5+5)

7. a) Explain Packet Switching Technology.
b) Explain briefly: SMTP, POP3 and IMAP4.
c) Write a program to display "Well Come" using VB Script. (5+5+5)

8. a) Explain LAN.
b) Explain body and head tag with example.
c) Write short note on IPv4 addressing.
d) Write a short note on JavaScript.
e) What is www? Explain briefly with the help of www architecture. (3+3+3+3+3)

9. Write any three of the following:
a) Write HTML code to display country name in red color.
b) Differentiate: Internet and WWW.
c) Write short note on MIME.
d) Briefly discuss about Internet Crime.
e) What is network topology? Write down the different types of network topology and explain bus topology. (3x5)