B1.2-R4: INTERNET TECHNOLOGY & WEB DESIGN

अवधि: 03 घंटे
DURATION: 03 Hours

अधिकतम अंक: 100
MAXIMUM MARKS: 100

ओएमआर शीट सं.:
OMR Sheet No.:

रोल नं.:
Roll No.:

उत्तर-पुस्तिका सं.:
Answer Sheet No.:

परीक्षार्थी का नाम:
Name of Candidate: _____

परीक्षार्थी के हस्ताक्षर:
; Signature of candidate: _____

परीक्षार्थियों के लिए निर्देश:

Instructions for Candidate:

कृपया प्रश्न-पुस्तिका, ओएमआर शीट एवं उत्तर-पुस्तिका में दिये गए निर्देशों को ध्यान पूर्वक पढ़ें।	Carefully read the instructions given on Question Paper, OMR Sheet and Answer Sheet.
प्रश्न-पुस्तिका की भाषा अंगेजी है। परीक्षार्थी केवल अंगेजी भाषा में ही उत्तर दे सकता है।	Question Paper is in English language. Candidate can answer in English language only.
इस मॉड्यूल/पेपर के **दो भाग** है। **भाग एक** में चार प्रश्न और **भाग दो** में पाँच प्रश्न है।	There are **TWO PARTS** in this Module/Paper. **PART ONE** contains **FOUR** questions and **PART TWO** contains **FIVE** questions.
भाग एक "वैकल्पिक" प्रकार का है जिसके कुल अंक 40 है तथा **भाग दो**, "व्यक्तिपरक" प्रकार है और इसके कुल अंक 60 है।	**PART ONE** is Objective type and carries 40 Marks. **PART TWO** is subjective type and carries 60 Marks.
भाग एक के उत्तर, इस प्रश्न-पत्र के साथ दी गई **ओएमआर उत्तर-पुस्तिका** पर, उसमें दिये गए अनुदेशों के अनुसार ही दिये जाने है। **भाग दो** की उत्तर-पुस्तिका में **भाग एक** के उत्तर **नहीं** दिये जाने चाहिए।	**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**.
भाग एक के लिए अधिकतम समय सीमा **एक घण्टा** निर्धारित की गई है। **भाग दो** की उत्तर-पुस्तिका, **भाग एक** की उत्तर-पुस्तिका जमा कराने के पश्चात दी जाएगी। तथापि, निर्धारित एक घंटे से पहले **भाग एक** पूरा करने वाले परीक्षार्थी **भाग एक** की उत्तर-पुस्तिका निरीक्षक को सौंपने के तुरंत बाद, **भाग दो** की उत्तर-पुस्तिका ले सकते हैं।	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**.
परीक्षार्थी, उपस्थिति-पत्रिका पर हस्ताक्षर किए बिना एवं अपनी उत्तर-पुस्तिका, निरीक्षक को सौंपे बिना, परीक्षा हाल नहीं छोड़ सकता हैं। ऐसा नही करने पर, परीक्षार्थी को इस मॉड्यूल/पेपर में अयोग्य घोषित कर दिया जाएगा।	**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.**
प्रश्न-पुस्तिका को खोलने के निर्देश मिलने के पश्चात एवं उत्तर देने से पहले उम्मीदवार यह जाँच कर यह सुनिश्चित कर ले कि प्रश्न-पुस्तिका प्रत्येक दृष्टि से संपूर्ण है।	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.

_____

जब तक आपसे कहा न जाए तब तक प्रश्न-पुस्तिका न खोलें।

DO 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.

ROUGH WORK SPACE:

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)

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

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)

A.	Contents	B.	Body	C.	<hr>
D.	HTML	E.	frame	F.	form
G.	img	H.	markup	I.	header
J.	<a>	K.	colspan	L.	Web
M.	div				

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.

ROUGH WORK SPACE:

PART TWO
(Answer any FOUR questions)

5.
a) Explain the working of Web Server and Web Brower.
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: SMPT, 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 Java script.
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)

ROUGH WORK SPACE:

ROUGH WORK SPACE: