

M1-R4: Internet & Web Page Design (JULY 2018)

Max Marks: 100

M1-R4-07-18

DURATION: 03 Hrs

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 In the original ARPANET _____ were directly connected together
- a) IMPS
 - b) Host Computer
 - c) Network
 - d) Routers
- 1.2 Switching in Internets done by using datagram approach to packet switching at the
- a) Physical Layer
 - b) Application Layer
 - c) Datalink Layer
 - d) Network Layer
- 1.3 What layer in the TCP/IP stack is equivalent to the Transport layer of the OSI Model?
- a) Application
 - b) Host-to-Host
 - c) Internet
 - d) Network Access
- 1.4 The computer jargon- www stands for
- a) World Wide Wildlife Web
 - b) World Wide Women's Web
 - c) World Wide Web Worm
 - d) World Wide Women's Week
- 1.5 Which of these is not a class of IP address
- a) Class E
 - b) Class C
 - c) Class D
 - d) Class G
- 1.6 Choos the correct HTML tag for the smallest size heading:
- a) <h6>
 - b) <h3>
 - c) <heading>
 - d) <header>
- 1.7 Which built-in method returns the length of string ?
- i. size()
 - ii. length()
 - iii. index()
 - iv. None of the above

1.8 Search engines are able to search _____ type of information

- a) Documents
- b) Audio
- c) Video
- d) All of the above

1.9 The term “Intellectual Property Rights” covers

- a) Copyrights
- b) Know-How
- c) Trade dress
- d) All of the above

1.10 Apart from tag. What other tag makes text bold?

- a) <black>
- b)
- c) <bold>
- d) None of the above

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.

- 2.1 JavaScript is loosely type language. **TRUE**
- 2.2 The process of transferring files from a computer on the internet to your computer is called downloading. **TRUE**
- 2.3 Dynamic address doesn't change every day. **FALSE**
- 2.4 To create Web age, we use a term called FTP. **FALSE**
- 2.5 12.0.0.1 is private IP address of Class A **FALSE**
- 2.6 Search Engines maintain heavy database of keywords and urls. . **TRUE**
- 2.7 An attempt to make a computer resource unavailable to its intended users is called denial-of-service attack. . **TRUE**
- 2.8 The method of communication in which transmission takes place in both directions but only one direction at a time is called Simplex. . **TRUE**
- 2.9 MIME stands for Multipurpose Internet Mail Extensions. . **TRUE**
- 2.10 A piece of malware that appears to be benign or useful, but actually causes damage to the system or allows another to gain access to the system is called Trojan. **FALSE**

3 Match words and phrase in column X with the closed related meaning of word(s)/phrase(s) in column Y. Enter your selection in the “OMR” answer sheet supplied with the question paper, following instructions therein.

X		Y	
3.1	Extensible Markup Language (F)	A.	How to display web page
3.2	Transmission control protocol and the internet protocol (H)	B.	30
3.3	User Datagram protocol (UDP), queue are associated with (K)	C.	128 bits
3.4	Markup tag tells the browser (A)	D.	SMTP
3.5	Returns the string representation of the Number's Value	E.	Executable file

3.6	Web standard build by (L)	F.	XML
3.7	Maximum number of IP addresses that can be assigned to hosts on a local subnet that uses the 255.255.255.224 subnet mask. (B)	G.	Open Source
3.8	How long is an IPv6 Address (C)	H.	TCP/IP
3.9	File Virus attaches itself to the (E)	I.	60
3.10	Program code freely available (G)	J.	Socket
		K.	Port
		L.	W3C
		M.	toString()

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.

A.	 	B.	Uniform Resource Locator	C.	<script>
D.	<HR>	E.	Internet bot	F.	VBScript
G.	25	H.	Star	I.	Stream-Oriented
J.	WWW bot	K.	<META>	L.	Stealth Virus
M.	Ring				

- 4.1 TCP is a **(I) Stream Oriented** Protocol
- 4.2 HTML tag for creating a line break is **(A)
**
- 4.3 **(E) Internet bot** also known as web robot
- 4.4 URL stands for **(B) Uniform Resource Locator**
- 4.5 An alternative of JavaScript on windows platform is **(F) VBScript**
- 4.6 **(L) Stealth Virus** is a form of virus explicitly designed to hide itself from detection by antivirus software.
- 4.7 **(C) <Script>** tag is an extension to HTML that can enclose any number of JavaScript statements.
- 4.8 The **(K) META** tag provides metadata about the HTML document
- 4.9 SMTP by default uses TCP port **(G) 25**
- 4.10 FDDI uses **(M) RING** type of physical topology.

PART-TWO

5

- (A) What is a Metasearch Engine? What are the advantages and disadvantages of Meta Search Engine ?
- (B) Explain structure of e-Mail. What are various email protocols used for sending and receiving emails. Explain in brief.
- (C) What is Firewall? Explain the basic types of firewalls

6.

- A) Write an HTML code for creating the following output

Online Courses
<ul style="list-style-type: none">1. Web Programming<ul style="list-style-type: none">◆ HTML5◆ CSS3◆ Javascript 2. PHP framework<ul style="list-style-type: none">◆ Laravel◆ Cupcake◆ Slim
25% Discount for first ten students
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- B) What is Java Script ? Write a java Script Program to input any positive number in a Text Box and display whether it is a palindrome number or not ?

- C) Give difference between Container tag and Empty tag. Explain with Example. How do you include an image with width in 100px and height is 50px in an html document?

7.



(a) What is the network topology? What are the different types of network topology? Discuss Mesh topology?

(b) TCP/IP plays important role in communication. List the layers of TCP/IP model. Write the functionality of each layer. State Merit and demerit of TCP/IP Model.

8.

a) What is web hosting ? Explain Different types of Hosting.

b) What is a URL? Explain the structure of a URL.

c) What are encryption schemes ? Explain the difference between private cryptography and public key cryptography.?

9. Write short notes on any three of the following?

a) Domain Name Systems (DNS)

b) Internet and Intranet

c) Differentiate between Client side Scripting and server Side Scripting

d) eCommerce

