Marking Scheme

<u>ICT</u>
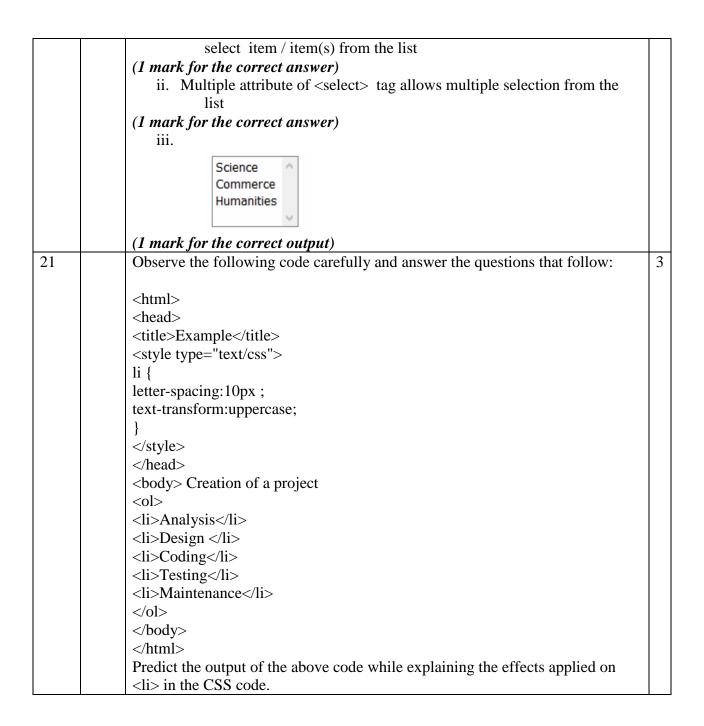
Class: X

Session 2016-17

Time : 3 hrs			M.M: 70
1		What is the purpose of "FORM" in web page?	1
	Ans:	HTML form on a web page allows a user to enter data that can be processed. *(1 Mark for Correct answer)*	
2		Identify the following: i. Software that literally spies on what is being done on a computer. ii. It seeks to compromise a DNS server so that users can be redirected to unsafe websites.	1
	Ans:	i. Spyware ii. DNS Poisoning *(½ Mark for each correct answer)*	
3		Name any two activities that can be considered as a Theft of Intellectual Property.	1
	Ans:	• Downloading copyrighted music & videos • Plagiarism, Cheating • Software piracy *(½ Mark for any 2 correct activities)*	
4		Why is Phishing termed as a form of identity theft?	1
	Ans:	Phishing is the process of trying to tempt the target to provide personal information which can be used to perform illegal actions. *(1 mark for the correct answer)*	
5		Proprietary **software** companies get a copyright for all of its software. What is its utility?	1
	Ans:	A software copyright is a legal right that protects all source code, written text materials, graphic images/ designs, drawings, any linked sound, video files or films from its illegal use and distribution. *(1 Mark for the correct answer)*	
6		Name the two of the most common Web attacks that attempts to breach a website.	1
	Ans:	i. SQL injection ii. cross-site scripting *(½ Mark each for any 2 valid attacks)*	
7		Who is a Netizen?	1
	Ans:	Netizens are the inhabitants of the internet and use it as an extension of their physical world *(1 Mark for correctly identifying Netizen)*	
8		What is Cyberspace?	1
	Ans:	Cyberspace is a 'man made machine world' reshaping itself periodically which	

		is information driven. **(1 Mark for correctly identifying Cyberspace)**	
9		Give any two advantages of CSS	2
	Ans:	The advantages of using CSS are: ❖ It controls layout of many documents from one single style sheet. ❖ It has more precise control of layout. **(1 Mark for each for two advantages)**	
10		Explain Workstation Licence.	2
	Ans:	Workstation licenses are licenses that permit the installation of an application on a single computer. Before installing it on a different machine the software must be removed from the first machine **(2 Mark for Correct explanation)**	
11		Write the CSS code to insert the image of the butterfly with name btfly.gif as a background image for a web page	2
	Ans:	body { background-image: url("btfly.gif "); } **(1 Mark for Correct code)**	
12		Write the CSS code to change the foreground color of text to #ff0000 in h1 tags	2
	Ans:	h1 { color: #ff0000; } **(1 Mark for Correct code)**	
13		Write the CSS code to display the text of td tag in centre	2
	Ans:	td { text-align: center; } **(1 Mark for Correct code)**	
14		Highlight the importance of DOM component of DHTML.	2
	Ans:	Document Object Model (DOM) – The road map through which you can locate any element in an HTML document and use a scripting language, such as JavaScript, to change the element's properties. **(1 Mark for expanding DOM)** **(1 mark for its correct importance)**	
15		Consider the following CSS code: h1 {font-family: arial, comic sans-serif, "Times New Roman";} Explain font-family.	2
	Ans:	The property font-family is used to apply prioritized list of fonts in a web page. If the first font of the list is not installed on the computer then the next font of the list will be displayed until a suitable font is found. **(2 marks for the correct answer)**	
16		Consider the following HTML code : Father Name: <input type="text" size = "20" name="FName" > Identify the internal name and explain its relevance.	2
	Ans:	Internal Name: FName Internal name is used by the program that handles the form for the purpose of identification of data while retrieving data. **(1 Mark for identification of the Internal name and writing its relevance)**	
17		What is a firewall?	2
	Ans:	A firewall is a program or hardware device that filters the information coming	

		through an internet connection to a network or computer system. If incoming information does not pass the rules stored in the firewall, it is not allowed through. *(1 mark for identifying firewall as a program or hardware device)* *(1 Mark for the correct definition)*	
18		Differentiate between GET and POST method of sending data.	2
	Ans:	<table><tr><td>GET Method</td><td>POST Method</td></tr><tr><td>Appends form-data into the URL in name/value pairs</td><td>Appends form-data inside the body of the HTTP request (data is not shown is in URL)</td></tr><tr><td>The length of a URL is limited (about 3000 characters)</td><td>It has no size limitations</td></tr><tr><td>GET is better for non-secure data, like query strings in Google</td><td>POST suitable for sending sensitive data</td></tr><tr><td>Useful for form submissions where a user want to bookmark the result</td><td>❖ Form submissions with POST cannot be bookmarked</td></tr></table> *(1 Mark each for any 2 valid differences)*	
19		List any 3 items that can be created using DHTML.	3
	Ans:	DHTML can be used to create the following: • Animation • Pop-up menus • Inclusion of Web page content from external data sources • Elements that can be dragged and dropped within the Web page *(Any three points & 1 Mark for each point)*	

20		Observe the following code and answer the questions that follow:
		 <html>
		 <head>
		 <title>
		 Find Output
		 </title>
		 </head>
		 <body>
		 <select Multiple>
		 <Option> Science</Option>
		 <Option> Commerce</Option>
		 <Option> Humanities</Option>
		 </select>
		 </body>
		 </html>
		     i. What is the use of <select> tag in the above code?
		     ii. Explain the purpose of Multiple attribute of <select> tag.
		     iii. What output will be produced when the above code is executed?
			3

	Ans:	i. <select> tag is used to create a dropdown box that prompts the user to	

		select item / item(s) from the list	

		(1 mark for the correct answer)
		   ii. Multiple attribute of \<select\> tag allows multiple selection from the list
		(1 mark for the correct answer)
		   iii.
		
		(1 mark for the correct output)	

21		Observe the following code carefully and answer the questions that follow:
		
		``
		<html>
		<head>
		<title>Example</title>
		<style type="text/css">
		li {
		letter-spacing:10px ;
		text-transform:uppercase;
		}
		</style>
		</head>
		<body> Creation of a project
		
		 - Analysis
		 - Design
		 - Coding
		 - Testing
		 - Maintenance
		
		</body>
		</html>
		``
		
		Predict the output of the above code while explaining the effects applied on \<li\> in the CSS code.
			3

	Ans:	Creation of a project
		
		   1.A N A L Y S I S
		   2.D E S I G N
		   3.C O D I N G
		   4.T E S T I N G
		   5.M A I N T E N A N C E
		
		(1 mark for the correct output)
		LETTER-SPACING: This property is used to give the specified spacing between the text characters.
		TEXT-TRANSFORM: The text-transform property controls the capitalization of a text.In the above code uppercase is used to converts all letters to uppercase.
		(1 mark each for correctly explaining LETTER-SPACING and TEXT-TRANSFORM)	

22		Differentiate between Open source , Freeware and Shareware.	3
	Ans:	<u>Open-source software (OSS)</u> is computer software with its source code made available. It is very often developed in a public, collaborative manner. A license for open sources software allows the end user to study, change and distribute the software for any purpose. Some copyrighted software is made available for use, free of charge for an unlimited time. These are called <u>Freeware</u>. The copyright still remains with the producer / owner for any future development. <u>Shareware</u> are copyrighted software that can be shared for a limited on a trial basis with the understanding that if the user decides to use it, he will pay for it. *(3 marks for the correct answer)*	
23		Write code to create the following HTML Form to accept User's Information as part of a Magazine Survey: **User Survey** Name: Address: Male ○ Female ○ You came to know about our Magazine from : ☐Friend ☐ Newspaper ☐TV/Radio ☐ Others Note: Address accepts multiline text.	4
	Ans:	<Html> <Head> <Title> Reader's Joy </Title> </Head>	

		`<Body>` `<H1 align="center">User Survey</H1>` `<Form method="get" action="">` `Name:<input type="text" name="Username"> ` `Address:<input type = "textarea" name="Useraddress"> ` `Male<input type="radio" name="G"> Female<input type="radio"` `name="G"> ` `You came to know about our Magazine from : ` `<input type="Checkbox" name="G">Friend  <input type="Checkbox"` `name="G">` `Newspaper <input type="Checkbox" name="G">TV/Radio <input` `type="Checkbox" name="G"> Others ` `<input type ="Submit" Value="Submit">` `</Form>` `</Body>` `</HTML>` *(1 mark for creating textfield correctly as per the format mentioned)* *(1 mark for creating textarea correctly as per the format mentioned)* *(1 mark for creating radio button correctly as per the format mentioned)* *(1 mark for creating checkbox correctly as per the format mentioned)* *(½ Mark to be deducted if <form> tag not used)*	

24		Create an external style sheet "style.css" with the following specifications for the various HTML
		    `<BODY>`:
		    Background color should be Aqua( )
		    Foreground color should be Navy( ) `<H1>`
		    Should be underlined and center aligned `<P>`
		    First line should be indented to 60px
		    Font-weight should be normal Write the HTML code to create a link from the HTML document to the style sheet (style.css).Where in the HTML document should the code be placed?
			4

	Ans:	"style.css"
		body
		{
		background-color: Aqua;
		color : navy
		
		}
		
		h1
		{
		text-align:center;	

		text-decoration:underline;
		}
		p
		{
		font-weight:normal;
		text-indent:60px;
		}
		
		To create a link from the HTML document to the style sheet (style.css). The following code will be inserted in the header section of the HTML code i.e. between the <head> and </head> tags.
		<link href="style.css" rel ="stylesheet" type="text/css">
		
		(1 Mark for each correct CSS component (i.e. body,h1,p)as per the question)
		(1 Mark for writing the correct method of creating a link from the HTML document to the style sheet)	

25		List any 4 cyber safety guidelines which should be followed by all the Netizens.	4
	Ans:	All Netizens should follow the following guidelines to recognize online risks: • Set secure passwords and don't share them with anyone. • Take advantage of privacy and security settings. Use site settings to limit the information you share with the general public online. • Be suspicious of unknown links or requests sent through email or text message. Do not click on unknown links or answer strange questions sent to your mobile device, regardless of who the sender appears to be. • Download only trusted applications from reputable sources or marketplaces. *(1 Mark for any 4 valid cyber safety guidelines)*	
26		Multiple Choice Questions	
a)		Name the attribute of the <input> tag that determines the category of controls a) SRC b) value c) name d) type	1
	Ans.	d) type *(1 mark for correct identification)*	
b)		Name the attribute that is specified to set the width of a text. e) limit f) size g) value h) maxlength	1
	Ans.	b) size	

		(1 mark for correct identification)	
c)		Is it possible for the developer to restrict the values accepted in a text field by specifying an attribute? a) numeric b) integer c) value d)You cannot restrict text values using HTML.	1
	Ans.	d)You cannot restrict text values using HTML. *(1 mark for correct identification)*	
d)		We mask the input typed into a text field by specifying an <input> tag as _____. a) password b) secure c) invisible d) hidden	1
	Ans.	a) password *(1 mark for correct identification)*	
e)		HTML provides an attribute for the <input> tag that allows you to encrypt data to make it secure. a) True b) False	1
	Ans.	b) False *(1 mark for correct identification)*	
f)		Which of the following is correct? a) <input type="radio" name="animal" value="Zebra"> Zebra <input type="radio" name="animal" value="Lion"> Lion <input type="radio" name="animal" value="Tiger"> Tiger b) <input type="radio" name= "Zebra"> Zebra <input type="radio" name="Lion"> Lion <input type="radio" name="Tiger"> Tiger	1
	Ans.	a) <input type="radio" name="animal" value="Zebra"> Zebra <input type="radio" name="animal" value="Lion"> Lion <input type="radio" name="animal" value="Tiger"> Tiger *(1 mark for correct identification)*	
g)		Which of the following is most true? a) The <option> tag does not have a value attribute. If selected, it passes its displayed value. b) The <option> tag only passes values through its value attributes. The displayed value is never displayed. c) The <option> tag passes values through the value tag if it is present, and passes the value displayed if the value attribute is not given.	1

		d) The purpose of the <option> tag is to specify the type of control to use, not to pass values.	
	Ans.	c) The <option> tag passes values through the value tag if it is present, and passes the value displayed if the value attribute is not given. *(1 mark for correct identification)*	
h)		In order to clear the values in a form, the developer specifies an <input> tag as: a) empty b) clear c) refresh d) reset	1
	Ans.	d)reset *(1 mark for correct identification)*	
i)		Term to describe harassing, taunting, or teasing online a) Cyber bullying b) Flaming c) Trolling	1
	Ans.	a) Cyber bullying *(1 mark for correct identification)*	
j)		Tricking users into revealing personal information such as passwords and bank account numbers by way of emails pretending to be from actual companies a) Phishing b) Spyware c) Bird Watch	1
	Ans.	a) Spyware *(1 mark for correct identification)*	
k)		Using someone else's work and taking credit for it a)Fair Use b)Ethical c)to plagiarize	1
	Ans.	c)to plagiarize *(1 mark for correct identification)*	
l)		Malicious that enters a computer and tracks and gathers personal information a) Phishing b) Spyware c) Malware	1
	Ans.	a) Phishing *(1 mark for correct identification)*	
m)		Which of the following property is used to create a small-caps effect?	1

		a) font-family b) font-style c) font-variant d) font-weight	
	Ans.	c) font-variant *(1 mark for correct identification)*	

n)		Multiple external style sheets cannot be referenced inside a single HTML document
		    a) True
		    b) False
			1

	Ans	b) False	

o)		Which of the following is correct CSS syntax for using font property?
		    a) \<p style="font: italic, bold, 25px;"\> .... \</p\>
		    b) \<p style="font-style: italic font-weight: bold font-size: 25px;"\> .... \</p\>
		    c) \<p style="font: italic bold 25px;"\> .... \</p\>
			1

	Ans	c) \<p style="font: italic bold 25px;"\> .... \</p\> (1 mark for correct identification)	

p)		What are the three methods of implementing CSS?
		    a) Direct, Indirect, and External
		    b) Internal, External, and Embedded
		    c) Inline, Embedded, and External
			1

	Ans	c) Inline, Embedded, and External *(1 mark for correct identification)*	

q)		table {color: blue;}
		In the code snippet above, which part represents the property?
		    a) table
		    b) color
		    c) blue
			1

	Ans	b) color *(1 mark for correct identification)*	

r)		Which of the following statements is TRUE for CSS
		    a) An external style sheet is ideal when the style is applied to many pages
		    b) An inline style sheet should be used when a single document has a unique style
		    c) Both A and B above
		    d) An external style sheet can be written in HTML
			1

	Ans	a) An external style sheet is ideal when the style is applied to many pages *(1 mark for correct identification)*	