Important Note:
- All answers provided in the Marking scheme are SUGGESTIVE.
- Examiners are requested to accept all possible alternative correct answer(s).
- Wherever HTML Tags are asked – ignore the format/additional arguments if so given in the answer(s)
- Wherever multiple answers are suggested, they are in order of appropriateness

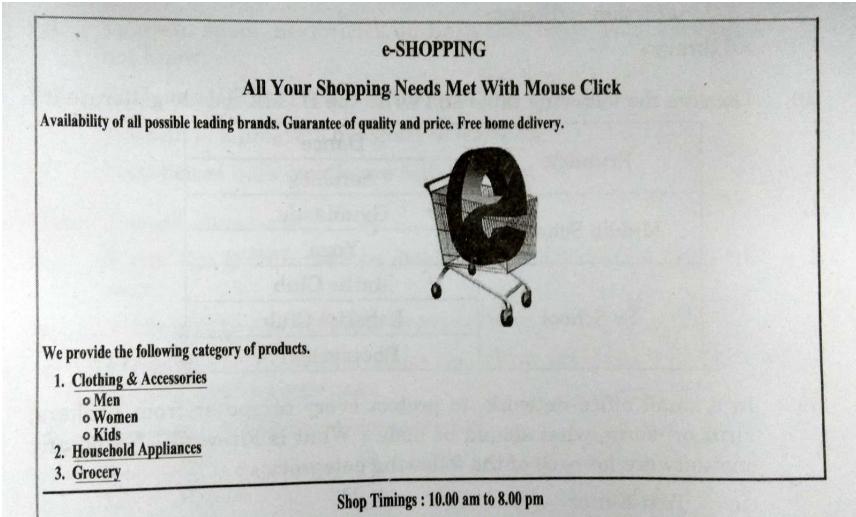SUMMATIVE ASSESSMENT – II
FOUNDATION OF INFORMATION TECHNOLOGY

		SECTION A	
Q1.		**Fill in the blanks :**	**5**
	(a)	You need a_____ to create and edit an XML document.	
	Ans.	**Text Editor or NOTEPAD or Sublime Editor OR any other correct Text Editor's name** *(½ Mark for correct answer)*	
	(b)	_____are used to connect web pages	
	Ans.	**Hyperlink /href/External Link/Target** *(½ Mark for correct answer)*	
	(c)	The default alignment of an image is_____	
	Ans.	**Inline/Left** *(½ Mark for correct answer)*	
	(d)	In HTML, while creating a table, we cannot use background attribute with_____ tag.	
	Ans.	**THead** *(½ Mark for correct answer)*	
	(e)	To increase space between two cells, _____ attribute should be used	
	Ans.	**Cellspacing** *(½ Mark for correct answer)*	
	(f)	A website which allows you to share opinion and discuss topics in the form of an online journal is called as_____	
	Ans.	**Blog/News Group/Online Forum/Social Networking/Online Bulletin Board/all other answers with similar purpose** *(½ Mark for correct answer)*	
	(g)	_____is a type of malware that is installed on a user's computer and collects information about the users without their consent and knowledge.	
	Ans.	**Spyware OR Trojan Horse** *(½ Mark for correct answer)*	
	(h)	A_____ is a technical person who breaks through the system's security with malicious intentions	
	Ans.	**Cracker** *(½ Mark for correct answer)*	
	(i)	_____is business in online environment.	
	Ans.	**E-Commerce** *(1 Mark for correct answer)*	
	(j)	_____protects a server, a network and an individual PC from attack by viruses from other systems.	
	Ans.	**Firewall OR Antivirus** *(½ Mark for correct answer)*	

Q2.		State True of False:	5
		(½ Mark for writing each correct option)	
	(a)	The HTML tag for inline image is <img>.	
	Ans.	**True**	
	(b)	Physical structure refers to different parts of a document i.e., how a document is built.	
	Ans.	**True**	
	(c)	A table's background colour can be specified using backgroundcolor attribute.	
	Ans.	**False**	
	(d)	<TD> is a container tag.	
	Ans.	**True**	
	(e)	The default font size is 5.	
	Ans.	**False**	
	(f)	<caption> tag gives heading to a table.	
	Ans.	**True**	
	(g)	To avoid spam, never click on links that come from someone you do not know.	
	Ans.	**True**	
	(h)	XML uses DTD to describe the data.	
	Ans.	**True**	
	(i)	A worm is a program designed to replicate.	
	Ans.	**True**	
	(j)	Unsolicited bulk emails are called spams.	
	Ans.	**True**	
Q3.		**Short Answer Questions:**	
	(a)	Write the HTML code to display an image on the right side of a page.	2
	Ans.	`<img src="image.jpg" align="right">` *(1 Mark for img tag)* *(1 Mark for align=right)*	
	(b)	Write any two precautions to avoid spam.	2
	Ans.	● Never click on links that come from unknown sources. ● Never, ever reply to a spam message. ● Don't forward an email from someone you don't know to a list of people. ● Use a spam filter. **OR Any other correct precautions** *(1 Mark each for any two correct precautions)*	
	(c)	Write the attributes of <img> tag which are used for specifying its dimensions in a web page.	
	Ans.	**Width** **Height** *(1 Mark for each correct attribute)*	
	(d)	Write the full forms of the following: **(i)** ISP **(ii)** HTML **(iii)** <OL> **(iv)** 	2

	Ans.	**(i) Internet Service Provider** **(ii) Hypertext Markup Language** **(iii) Ordered List** **(iv) Line Break OR Break** *(½ Mark for each correct full form))*	
	(e)	Sujata is a reporter in a news agency. Her job demands for travelling to different parts of the country and giving all information to back office. What type of Internet connection would you suggest to her to send the information in minimum time ? Name anyone Indian ISP.	2
	Ans.	**Wireless Internet Connection OR WiFi** **MTNL, BSNL, Reliance, Airtel, Vodafone OR any other correct ISP name** *(1 Mark for writing correct Internet connection)* *(1 Mark for writing correct name of an Indian ISP)*	
	(f)	Name any two Internet protocols.	2
	Ans.	**FTP, HTTP, IMAP, POP, SMTP, Telnet, TCP, IP, IPv4, IPv6, PPP** *(1 Mark each for any two internet protocol name)*	
Q4.		**Short Answer Questions:**	
	(a)	Draw the XML tree for the following code **<Library>** 　　**<Books><Thrillers>** 　　　　**<Author>25</Author>** 　　　　**<Price>50</Price>** 　　**</Thrillers>** 　　**<Fiction>** 　　　　**<Author>25 </Author>** 　　　　**<Price>60</Price>** 　　**</Fiction></Books>** **</Library>**	5
	Ans.		

		OR	
		 | Library				
---	---	---	---	---
Books				
Thrillers		Fiction	
Author(24)	Price (50)	Author(25)	Price(60)	 **OR** *Any other similar representation for Tree* *(1 mark for Root Element Library)* *(1 mark for Books)* *(½ mark each for Thrillers and Fiction)* *(½ mark each for Elements Author (24), Price (50) under Thrillers)* *(½ mark each for Elements Author (25), Price (60) under Fiction)*	
	(b)	Observe the following table and write the HTML code to generate it: | Primary	Dance
---	---
	Aerobics
Middle School	Gymnastic
	Yoga
Sr School	Maths Club
	Robotics Lab
	Photography		5

	Ans.	```html
		<table>
		    <tr>
		        <td rowspan=2 align=center>Primary</td>
		        <td align=center>Dance</td>
		    </tr>
		    <tr>
		        <td align=center>Aerobics</td>
		    </tr>
		    <tr>
		        <td rowspan=2 align=center>Middle School</td>
		        <td align=center>Gymnastic</td>
		    </tr>
		    <tr>
		        <td align=center>Yoga</td>
		    </tr>
		    <tr>
		        <td rowspan=3 align=center>Sr School</td>
		        <td align=center>Maths Club</td>
		    </tr>
		``	

		``` <tr> <td align=center>Robotics Club</td> </tr> <tr> <td align=center>Photography</td> </tr> </table> ``` *(1 mark for <table> </table>)* *(1 mark for all correct <tr> </tr>)* *(1 mark for all correct <td> with correct values)* *(1 mark for all correct rowspan = "...")* *(1 mark for correct nesting of all <tr></tr> and <td> </td> tags)*	
	(c)	In a small office network, to protect every computer from hackers,virus or worm, what should be done? What is Firewall? Name any one software for each of the following categrories: (i) Text Editor (ii) Internet Browser	5
	Ans.	**Firewall OR Antivirus should be installed.** **Firewall:** **A security system (hardware/software) that prevents unauthorized users from gaining access to a computer network** **OR** **A security system (hardware/software) that monitor transfers of information to and from the network.** **(i) NOTEPAD OR SUBLIME Text Editor OR Any other correct Text Editor name** **(ii) CHROME OR FIREFOX OR Any other correct Internet Browser name** *(1 Mark for writing Firewall OR Antivirus correctly)* *(2 Marks for defining Firewall correctly)* *(1 Mark for writing any one correct Text Editor name)* *(1 Mark for writing any one correct Internet Browser name)*	
	(d)	Identify which of the following is a tag or an attribute: (i) HR (ii) BR (iii) p (iv) align (v) Text (vi) Noshade	3
	Ans.	**(i) TAG** **(ii) TAG** **(iii) TAG** **(iv) ATTRIBUTE** **(v) ATTRIBUTE** **(vi) ATTRIBUTE** *(½ Mark for each correct identification)*	

	(e)	Use the keywords given below to complete the paragraph Browser, Website, Web page, Web address, HTML, HTT'P Meghna wants to access Internet. She opens _____ and then types the_____ of_____ which consists of multiple _____	2
	Ans.	Browser, Web Address OR URL, Website, Web Pages *(½ Mark for each correct keyword)*	
Q5.			
	(a)	Observe the following output and write the HTML code to generate it Consider the following points while generating the web page: •The title of the page is "e-Shopping" •The heading is in red colour •Text colour is maroon •Font of the entire document is Arial •Image used is "images.jpg" •The pages linked are: •Clothing & Accessories to "cloth.html" •Household Appliances to ''house.html'' •Grocery to "grocery .html" •Bottom message is of size 2	10
	Ans.	``` <html> <head> <title>e-Shopping</title> </head> <body text="maroon"> <center>e-SHOPPING</center> ```	

```
<h2>
  <center>All Your Shopping Needs Met With Mouse Click
  </center>
</h2>
<p>Availability of all possible leading brands. Guarantee
of quality and price. Free home delivery.
<center><img src=images.jpeg></center>
<p>We provide the following category of products.
<ol>
  <li>
    <a href="cloth.html">Clothing & Accessories</a>
     <ul type=circle>
        <li>Men
        <li>Women
        <li>Kids
     </ul>
   <li><a href="house.html">Household Appliances</a>
    <li><a href="grocery.html">Grocery</a>
</ol>
<hr>
<p>
   <center>
      <font size=2>Shop Timings: 10am to 8.00 pm</font>
   </center>
</p>
</font>
  </body>
</html>
```

(1 Mark for the title of the page as "e-Shopping")
(1 Mark for the heading in red colour)
(1 Mark for Text colour as maroon)
(1 Mark for the Font of the entire document as Arial)
(1 Mark for the Image used as "images.jpg")
(1 Mark for linking Clothing & Accessories to "cloth.html")
(1 Mark for linking Household Appliances to ''house.html'')
(1 Mark for linking Grocery to "grocery .html")
(1 Mark for Bottom message of size 2)
(½ Mark for correct Ordered list)
(½ Mark for correct Unordered list)

NOTE:
- *Mark not to be deducted for not using the <hr> tag before the bottom message*
- *Mark not to be deducted for writing any extra tags which are not needed*

Q6		Multiple Choice Questions (Choose the most appropriate option) *(1 Mark for choosing each correct option)*	18
	(a)	To display numbers in a list, which tag(s) is/are used? (i) (ii) iii) Both of them (iv) N one of the above	
	Ans.	**(i) **	
	(b)	Which of these tags is/are used with <Table> tag? (i) <TR> (ii)<TD> (iii)<TH> (iv) All of the above	
	Ans.	**(iv) All of the above**	
	(c)	Which attribute(s) is/are used to merge rows? (i) Rowspan (ii) Colspan (iii) Both of them (iv) N one of the above	
	Ans.	**(i) Rowspan**	
	(d)	Is this a well formed XML document? <?xml version = "1.0"?> <mail> <to> Raman</to> <from> Rajeev</from> </mail> (i) Yes (ii) No (iii) Can't say (iv) None of the above	
	Ans	**(i) Yes**	
	(e)	Which of the following is/are attributes of <TR> Tag? (i) Text (ii) Colour (iii) Align (iv) All of the above	
	Ans.	**(iii) Align**	
.	(f)	To start a list with alphabet "E" which line should be used? (i) <ol type="A"> (ii) <ol type="A" start= "5" > (iii) <ol type="E" > (iv) <ol start="E" >	
	Ans	**(ii) <ol type="A" start= "5" >**	
	(g)	How do we write comment in XML ? (i) <?---comment-> (ii) <! - - comment - - > (iii) <Comment> (iv) None of the above	
	Ans.	(i) <?---comment->	

	(h)	A valid XML document means (i) The document has root element (ii) The document has one or more root elements (iii) Root element is not essential (iv) Can't say	
	Ans.	**(i) The document has root element**	
	(i)	Copy of data that can be used to restore and recover data is (i) The copied data (ii) Backup (iii) Restoration data (iv) None of the above	
	Ans.	**(ii) Backup**	
	(j)	A Firewall is (i) U sed to protect a computer room from flood and fire (ii) A form of virus (iii) A screen saver (iv) None of the above	
	Ans.	**(iv) None of the above**	
	(k)	Which points should one consider to choose a password ? (i)It should be short (ii) It should be long (iii) It should be your name (iv) None of the above	
	Ans.	**(iv) None of the above**	
	(l)	A _____ keeps your computer safe by confirming who is trying to access it. (i) Firewall (ii) Lock (iii) Gate (iv) Safe	
	Ans.	**(i) Firewall**	
	(m)	Which is a correct XML element? (i) <H1> (ii) <To Do> (iii) <Name> (iv) <?name>	
	Ans.	**(iii) <Name>**	
	(n)	A virus can damage (i) Internet connectivity (ii) Software (iii) Hardware (iv) None of the above	
	Ans.	**(ii) Software**	
	(o)	Which tag leaves a blank line? (i) <Hr> (ii) (iii)<Line> (iv) <empty>	
	Ans.	(ii) 	

	(p)	Alt attribute is used to display an image in a web browser. (i) Yes (ii) No (iii) Can't say (iv) None of the above	
	Ans.	**(ii) No**	
	(q)	HTML uses (i) Predefined Tags (ii) User defined Tags (iii) Both of them (iv) All of the above	
	Ans.	**(i) Predefined Tags**	
	(r)	To start a list with default "●" which is the correct syntax ? (i) <ul type="A" > (ii) <ul type="disc" > (iii) <ol type="circle" > (iv) <ol start="circle" >	
	Ans.	**(ii) <ul type="disc" >**	