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

FOUNDATION OF INFORMATION TECHNOLOGY

		SECTION 'A'	
Q1.		Multiple Choice Questions:	(5)
		(1 Mark for writing each correct answer)	(-)
	(a)	Full form of FTP is:	
	()	(i) Fast Transfer Protocol	
		(ii) File Transfer Protocol	
		(iii) Full Transfer Protocol	
		(iv) File Transit Protocol	
	Ans	(ii) OR File Transfer Protocol	
	(b)	In VLINK Attribute, V Stand for.	
		(i) Visited	
		(ii) Very	
		(iii) Victory	
		(iv) Visitor	
	Ans	(i) OR Visited	
	(C)	Time, Date and Number are the examples of:	
		(i) DataTables	
		(ii) DataSize	
		(iii) DataBase	
		(iv) DataTypes	
	Ans	(iv) OR DataTypes	
	(d)	FACE and SIZE are the attributes oftag.	
		(i) FONT	
		(ii) BASEFONT	
		(iii) H1H6	
		(iv) Both (i) and (ii)	
	Ans	(iv) OR Both (i) and (ii)	
		Note:	
		1/2 Mark for (i) OR FONT	
		¹ / ₂ Mark for (ii) OR BASEFONT	
	(e)	Which statement(s) true about XML?	
	(0)	(i) It is not case sensitive.	
		(ii) It is similar to other programming language like C & C++	
		(iii) It is used for defining own tags.	
		(iv) It is not at all helpful in data storage and data sharing.	
	Ans	(iii) OR It is used for defining own tags.	
2		Write down one main advantage of e-Shopping.	(1)
	Ans	(Any one of the following or any other correct advantage)	
		• Customers can easily select products from different providers without	
		moving around physically.	
		• Faster buying/selling procedure, as well as easy to find products.	
		• Buying/selling 24 x 7.	
		• More reach to customers, there is no geographic limitation.	
		• Low operational costs and better quality of services.	
		Special Offers and comparative/competitive prices	
		(1 Mark for writing one correct advantage)	

Ans	written: 6CO ² +6H ² 0 C ⁶ H ¹² 0 ^{6<!--<br-->But its not displaying the expression in de}	er, Edge, Opera, Chromium, UC orrect web browser) on on a webpage, following HTML code was	(1)
	Chrome, Firefox, Safari, Internet Explor Browser, Netscape Navigator, Falkon ($\frac{1}{2}$ Mark for writing name of each co $6CO_2+6H_2O \longrightarrow C_6H_{12}O_6+6O_2$ To display above given chemical expression written: 6CO2 +6H2OC6H12O6 <td>er, Edge, Opera, Chromium, UC orrect web browser) on on a webpage, following HTML code was</td> <td>(1)</td>	er, Edge, Opera, Chromium, UC orrect web browser) on on a webpage, following HTML code was	(1)
Ans	Browser, Netscape Navigator, Falkon ($\frac{1}{2}$ Mark for writing name of each co $6CO_2+6H_2O \longrightarrow C_6H_{12}O_6+6O_2$ To display above given chemical expression written: 6CO2 +6H2O C6H12O6 But its not displaying the expression in de</td <td>orrect web browser) on on a webpage, following HTML code was</td> <td>(1)</td>	orrect web browser) on on a webpage, following HTML code was	(1)
Ans	($\frac{1}{2}$ Mark for writing name of each co $6CO_2+6H_2O \longrightarrow C_6H_{12}O_6+6O_2$ To display above given chemical expression written: 6CO2 +6H2O $C6H12O6$	on on a webpage, following HTML code was	(1)
Ans	6CO ₂ +6H ₂ O To display above given chemical expression written: 6CO ² +6H ² 0 C ⁶ H ¹² 0 ^{6<!--<br-->But its not displaying the expression in de}	on on a webpage, following HTML code was	(1)
Ans	To display above given chemical expression written: 6CO ² +6H ² 0 C ⁶ H ¹² 0 ^{6<!--<br-->But its not displaying the expression in de}	>	(1)
Ans	written: 6CO ² +6H ² 0 C ⁶ H ¹² 0 ^{6<!--<br-->But its not displaying the expression in de}	>	
Ans	6CO ² +6H ² 0 C ⁶ H ¹² 0 ^{6<!--<br-->But its not displaying the expression in de}		
Ans	C ⁶ H ¹² O ^{6<!--<br-->But its not displaying the expression in de}		
Ans		'sup>+6O ²	
Ans		sired format. Identify the fault(s) and	
Ans	suggest the required correction(s).		
	The ^{tag defines superscript text. text.}	While, the _{tag defines subscript}	
	Thus all ^{tags need to be replaced OR}	with _{tags}	
	6CO ₂ +6H ₂	$\rightarrow \rightarrow$	
	C ₆ H ₁₂ O <sub< td=""><td>b>6+60₂</td><td></td></sub<>	b>6+60 ₂	
		ly)	
	-	MI code OR the required correction)	
			(1)
Ans		•	(1)
		e ,	
		orrect search engine)	
	What is WWW?		(1)
Ans	· ,	ction of webpages found in the Internet.	
	WWW is Network of World Wide Comput	ers	
	-		
		vv vv vv)	
	-	WW)	
	given in column 'B':	A' with corresponding web services/URL	(2)
	Column A	Column B	
	Social Networking site	https://www.amazon.in	
	https://web.skype.com/	e-Banking	
	e-Shopping	Video Conferencing	
	https://www.onlinesbi.in/	https://www.facebook.com/	
	Ans	OR 6CO ₂ +6H ₂ C ₆ H ₁₂ o <sub< td=""> (½ Mark for identifying the fault on OR (1 Mark for writing the corrected HT Give any two examples of popular search Ans (Any two of the following or any other of Google, Bing, Yahoo, Ask.com, AOL.com (½ Mark for writing name of each com What is WWW? Ans The World Wide Web ('WWW') is a collect OR WWW is Network of World Wide Compute OR Any other appropriate definition (1 Mark for writing description of W OR (1 Mark for writing description of W Column A Social Networking site https://web.skype.com/ e-Shopping</sub<>	6CO ₂ +6H ₂ 0 C ₆ H ₁₂ 0 (½ Mark for identifying the fault only) OR (1 Mark for writing the corrected HTML code OR the required correction) Give any two examples of popular search engines. Ans (Any two of the following or any other correct search engines) Google, Bing, Yahoo, Ask.com, AOL.com, Baidu, Wolframalpha, DuckDuckGo (½ Mark for writing name of each correct search engine) What is WWW? Ans The World Wide Web ('WWW') is a collection of webpages found in the Internet. OR WWW is Network of World Wide Computers OR Any other appropriate definition (1 Mark for writing description of WWW) OR Section 'B' Match web services/URL given in column 'A' with corresponding web services

	Ans			
		Column A	Column B	
		Social Networking site	https://www.facebook.com/	
		https://web.skype.com/	Video Conferencing	
		e-Shopping	https://www.amazon.in	
		https://www.onlinesbi.in/	e-Banking	
		(¹ / ₂ Mark for each correct match)		
8	Ans.	Mention any two benefits of ICT in Educ (Any two of the following or any othe		(2)
		 Enriches learning through a con and animation 	More individual learning of up-to-date learning materials mbination of audio, video, images, text eraction and collaboration/team work	
		(1 Mark for writing each correct b	enefit - upto any two correct benefits)	
9		Write HTML code to generate the webp style: Career Options Medical 1. Medicin 2. Resear Engineerin Marketing OR	ch	(2)
		Discuss the use of and tag v	-	
	Ans		<pre><!-- Optional--> <!-- Optional--> Optional> Optional></pre>	
		OR	- Optional>	
		The tag is used together with th	e tag to create Unordered List.	

10	Ans.	Example: Medical Example: will generate the webpage as: • Medical • Engineering • Marketing For the code: (½ Mark for writing correct code for) (½ Mark for writing correct code for <ll> </ll>) (½ Mark for writing correct code for <ll>) (½ Mark for writing correct code for <ll>) (½ Mark for writing correct code for) (½ Mark for writing correct code for) (½ Mark for writing correct code for) (½ Mark for writing correct use of with example (1 Mark for writing correct use of with tag) (½ Mark for writing correct example of tag) Mark for writing correct example of tag) Mark for writing correct example of tag) Name and City cannot be specified as Primary Key, because these columns can</ll></ll>	(2)
	Ans.	How fields and records are related with each other in a table ? Explain with suitable example.	
		Address. Example: Id First Name E-mail Address Address	
		2 Antonio antonio@gmail.com Record 3 Thomas thomas@gmail.com Item (item (
		(1 mark for correct reason) OR (½ Mark for correct explanation of Field in a table)	

	(½ Mark for correct explanation of Record in a table) (½ Mark for correct example of Field in a table) (½ Mark for correct example of Record in a table)	
11	Gaurav, a web designer in a company named "International Designers" has just created a webpage in which different sections of the webpage are linked and can be traversed by clicking on the text as "Top", "Middle" and "Bottom". Is it internal linking or external linking and why? Additionally tell him about the suitable tag and its attribute(s) to open another webpage named 'second.html' by clicking on the text "Next".	(3)
A	Ans. Internal linking, because the links are used to traverse different sections in the same webpage. The tag and attributes to open another webpage named 'second.html' by	
	clicking on the text "Next" is Next	
	(1 Mark for writing correct option as Internal Linking) (1 Mark for writing correct reason of the option as Internal Linking) (1 Mark for writing correct tag <a> and attribute <href>)</href>	
12	Write any three main characteristics of XML.	(3)
A	Ans. (Any three of the following or any other correct characteristic) XML stands for eXtensible Markup Language XML is a markup language much like HTML XML tags are not predefined like HTML tags are XML was designed to store and transport data XML was designed to be self-descriptive XML is a Case Sensitive Language 	
	 XML is used to create new internet languages XML is W3C recommendation XML is platform independent and language independent XML is not a replacement for HTML (1 Mark for writing each correct characteristic - upto 3 characteristics) 	
13	How email address and URL are different from each other? Explain with suitable example.	(3)
	 (Any of the following or any other correct difference) URL is Uniform Resource Locator. email is Address of Electronic Mail URL is the web address of a web page while email is used to send electronic messages to each other using computer networks. In the email @ is used which is not present in any URL. The email address is often used in lower case, while websites or web address are written in mixed letters. email is always used to receive electronic mails while web address is not used to receive any mails. A web address is used to access a website where information can be found while email is not used to get any information. URL can directly be typed in browser to access web site/page whereas email Address can not be browsed as web site/page Examples: URL: abc.com, cbse.nic.in, ncert.nic.in/NCERTS/textbook/textbook.htm OR Any other correct example of URL Email: secy-cbse@nic.in , ncert.media@gmail.com, ntse2@yahoo.co.in, OR 	
	Any other correct example of email	

	(Subject Code 105 Paper Code 10. 55 Set -4) Marking Scheme	
	(1 Mark for writing correct meaning of URL/expansion)	
	(1 Mark for writing correct meaning of email/expansion)	
	(½ Mark for writing correct example URL) (½ Mark for writing correct example email)	
14	Discuss the role of spyware as a threat to information security. Define the	(3)
	following:	(0)
	(i) Virus (ii) Hacker (iii) Cracker	
	OR	
	What is the need to take the data backup? Discuss online backup briefly. ns. FIRST OPTION	
	Spyware is software that aims to gather information about a person or organization without their knowledge and gives the access to someone else.	
	OR	
	Spyware is a software, which spies on your data/activities and passes on to others.	
	(i) Virus : A computer virus is an executable software that spreads from one computer to another. OR	
	A piece of code which is capable of copying itself and typically has a detrimental effect, such as corrupting the system or destroying data.	
	OR	
	Any other correct definition	
	(ii) Hacker :	
	A hacker is an individual, who breaks security for non-malicious reasons to test the security of a system. OR	
	A hacker practices to modify/alter computer software/hardware and informs the creator about the security issues.	
	(iii) Cracker : A cracker is a person who violates computer security for malicious intentions or for personal gain	
	OR A cracker practices to modify/alter computer software/hardware and uses it for personal gains/ to trouble the creator.	
	SECOND OPTION Data Backup is the copying and archiving of computer data so it may be used to restore the original in case of data-loss.	
	Online backup is a method of web/cloud storage in which data is regularly backed up on a remote server/cloud.	
	Examples of Online backup tools are: Google Drive, Dropbox etc.	
	FOR FIRST OPTION (1 Mark for writing each * Role of Spyware, * definition of Virus, * definition of Hacker and * definition of Cracker - upto three)	
	OR	



		(Subject Code 165 Paper Code No. 55 Set -4) Marking Scheme	
		 (½ Mark for Root element EVENTS) (½ Mark for each correct elements SPORTS and CULTURAL under EVENTS) (½ Mark for each correct elements ZONAL and MUSIC under SPORTS and CULTURAL respectively) (½ Mark for each correct sub-element Player, Date and Place under ZONAL) (½ Mark for each correct sub-element Artist and Date under MUSIC) Note: No marks to be deducted if attributes/values not mentioned/shown alongwith the elements/subelements No marks to be deducted if elements/subelements are not shown in the boxes but placement(s) of elements/subelements correctly shown 	
16		Attempt any one question out of given two:	(5)
	(a)	Observe following output and write HTML code to generate it.	
	(b)	Differentiate between the following with respect to Tables in HTML: (i) Cellspacing and Cellpadding. (ii) Rowspan and Colspan.	
	(a) Ans	<pre><html> <body> <head> <title>FOOTBALL CLUB</title> <!-- OR <TITLE-->Manchester Football Club Website> </head></body></html></pre>	

	<body></body>	
		
	<center></center>	
	OR <P ALIGN="Center" >	
	<h1>FOOTBALL CLUB</h1>	
	 BR>	
		
		
	Welcome to the website of the Manchester Football Club	
	The Manchester Football Club is based in United States of	
	America and has a long and	
	<pre>proud history.</pre>	
	We have several teams in various age groups from kids to	
	grown-	
	ups so there is a team to suit any player 	
	<u>This year's motto:</u>	
	 BR>	
	<i>We are the BEST: </i>	
	<hr/>	
	If you have any questions about us, send us a mail at	
	manr@football.us	
		
	<pre><p align="Right">© ManchesterFootball Club Last updated</p></pre>	
	30 th July 2017	
	($\frac{1}{2}$ Mark for TITLE tag OR showing title/heading of the page)	
	($\frac{1}{2}$ Mark for changing font color of the heading to BLUE)	
	(½ Mark for changing font to ARIAL)	
	(1 Mark for correct use of IMG tag)	
	(1 Mark for correct use of A tag)	
	(½ Mark for Horizontal Rule/line)	
	(1/2 Mark for changing font size to 2)	
	(1/2 Mark for either right alignment of the bottom message	
	OR center alignment of Heading)	
	Nata	
	Note:	
	 Ignore use of all other tags/attributes 	
1		

(i) The cellspacing attribute specifies the sp	ace, in pixels between cells.
<pre><body> Table without cellspacing:</body></pre>	Table without cellspacing:
<pre></pre>	
	Month Savings
<pre>Month</pre>	January Rs100
Savings	
	Table with cellspacing:
>	Table with censpacing.
January	
Rs100	Month Savings
	January Rs100
Table with cellspacing:	
>	
Month	
Savings	
>	
January	
Rs100	
The cellpadding attribute specifies the space and the cell content.	e, in pixels between the cell w
The cellpadding attribute specifies the space	e, in pixels between the cell w Table without cellpadding:
The cellpadding attribute specifies the space and the cell content. Example: <body> Table without cellpadding:</body>	Table without cellpadding:
The cellpadding attribute specifies the space and the cell content. Example: <body></body>	Table without cellpadding:
The cellpadding attribute specifies the space and the cell content. Example: <body> Table without cellpadding:</body>	Table without cellpadding:
The cellpadding attribute specifies the space and the cell content. Example: <body> Table without cellpadding: Month</body>	Table without cellpadding:
The cellpadding attribute specifies the space and the cell content. Example: <body> Table without cellpadding: Month Savings</body>	Table without cellpadding: Month Savings January Rs100
The cellpadding attribute specifies the space and the cell content. Example: <body> Table without cellpadding: Month Savings</body>	Table without cellpadding:
The cellpadding attribute specifies the space and the cell content. Example: <body> Table without cellpadding: Month Savings</body>	Table without cellpadding: Month Savings January Rs100
The cellpadding attribute specifies the space and the cell content. Example: <body> Table without cellpadding: Month Savings January</body>	Table without cellpadding: Month Savings January Rs100 Table with cellpadding:
The cellpadding attribute specifies the space and the cell content. Example: <body> Table without cellpadding: Month Savings Savings Savings</body>	Table without cellpadding: Month Savings January Rs100
The cellpadding attribute specifies the space and the cell content. Example: <body> Table without cellpadding: Month Savings Savings January Savings</body>	Month Savings January Rs100 Table with cellpadding: Month Savings
The cellpadding attribute specifies the space and the cell content. Example: <body> Table without cellpadding: Month Savings January January</body>	Table without cellpadding: Month Savings January Rs100 Table with cellpadding:
The cellpadding attribute specifies the space and the cell content. Example: <body> Table without cellpadding: Month Savings Savings January Savings Savings</body>	Month Savings January Rs100 Table with cellpadding: Month Savings
The cellpadding attribute specifies the space and the cell content. Example: <body> Table without cellpadding: Month Savings Savings January Savings</body>	Month Savings January Rs100 Table with cellpadding: Month Savings
The cellpadding attribute specifies the space and the cell content. Example: <body> Table without cellpadding: Month Savings Savings January Savings Savings Savings Savings Savings Savings Savings Savings Savings Savings Savings Savings</body>	Month Savings January Rs100 Table with cellpadding: Month Savings
The cellpadding attribute specifies the space and the cell content. Example: <body> Table without cellpadding: Month Savings January January Savings Savings January SavingsSavingsSaving</body>	Month Savings January Rs100 Table with cellpadding: Month Savings
The cellpadding attribute specifies the space and the cell content. Example: <body> Table without cellpadding: Month Savings Savings January Savings Savings Savings Savings Savings</body>	Month Savings January Rs100 Table with cellpadding: Month Savings
The cellpadding attribute specifies the space and the cell content. Example: <body> Table without cellpadding: Month Savings Savings January Savings Savings Savings Table with cellpadding: Month Savings</body>	Month Savings January Rs100 Table with cellpadding: Month Savings
The cellpadding attribute specifies the space and the cell content. Example: <body> Table without cellpadding: Month Savings Savings January Savings Savings Savings</body>	Month Savings January Rs100 Table with cellpadding: Month Savings
The cellpadding attribute specifies the space and the cell content. Example: <body> Table without cellpadding: Month Savings January January Table with cellpadding: Month</body>	Month Savings January Rs100 Table with cellpadding: Month Savings
The cellpadding attribute specifies the space and the cell content. Example: <body> Table without cellpadding: Month Savings January January January January January</body>	Month Savings January Rs100 Table with cellpadding: Month Savings
The cellpadding attribute specifies the space and the cell content. Example: <body> Table without cellpadding: Month Savings January January Table with cellpadding: Month</body>	Month Savings January Rs100 Table with cellpadding: Month Savings

	Example:	
<pre></pre>	·	
<pre> (th>Month {th>Savings {th>Savings for holiday! {february Rs50 Rs5</pre>		Month Savings Savings for holid
SavingsSavings>>anuary>>Rs80>>Rs80>>Rs80>>Rs80>>Rs80>>Rs80>>Rs80>>Rs80>>Rs80>>Rs80>>Rs80>>Rs80>>Rs80>>Rs80>>Rs80>>>Rs80>>>Rs80>>>Rs80>>>Rs80>>>Rs80>>>>>> <td< td=""><td></td><td>January Rs100</td></td<>		January Rs100
<pre></pre>		February Rs80 Rs50
>January >td>>Rs100 >td rowspan="2">Rs50 >td>>Rs80 >td>>Rs80 Colspan attribute defines the number of columns a table cell should spa Colspan is used to merge multiple columns Example: <tt> >Savings >Savings >January Rs100 >Savings >Sum: Rs180 >Sum: Rs180 >Sum: Rs180 >Rs80 >Sum: Rs180 >Rs80 >Sum: Rs180 >Rs80 >Rs80 >Rs80 >Rs80 >Rs80 >Rs80 >Rs180 >Rs180 >Rs180 <td>-</td><td></td></tt>	-	
>January>>>>>> <td< td=""><td></td><td></td></td<>		
<pre></pre>		
>sto>ss50>sto>td>>ss0>ss0>> <td></td> <td></td>		
Rs50 Rs50 February >February	-	
<pre></pre> <pre></pre> <pre></pre> <pre></pre> <pre> </pre> <pre> <!--</td--><td></td><td></td></pre>		
February>>>>>> <td< td=""><td>-</td><td></td></td<>	-	
>R880Colspan attribute defines the number of columns a table cell should spander of columns is used to merge multiple columnsColspan is used to merge multiple columnsColspan is used to merge multiple columnsMonthSavings>anuary <td< td=""><td></td><td></td></td<>		
>R880Colspan attribute defines the number of columns a table cell should spander of columns is used to merge multiple columnsColspan is used to merge multiple columnsColspan is used to merge multiple columnsMonthSavings>anuary <td< td=""><td></td><td></td></td<>		
<pre> The colspan attribute defines the number of columns a table cell should span OR Colspan is used to merge multiple columns Example:</pre>	-	
The colspan attribute defines the number of columns a table cell should spa OR Colspan is used to merge multiple columns Example: <tn>> Month Savings January Rs100 February Rs80 Sum: Rs180 Sum: Rs18</tn>		
OR Colspan is used to merge multiple columns Example: Month Savings Month Savings Savings/th> January Rs100 February Rs80 Sum: Rs180 Sum: Rs180 Sum: Rs180 >td>February Sum: Rs180 Sum: Rs180 Sum: Rs180 >td>February Sum: Rs180 Sum: Rs180 Sum: Rs180		
<pre></pre>		
<pre> January Sum: Rs180 Sum: Rs180</pre>		January Rs100
<pre> (', tr></pre>	-	February Rs80
<pre></pre>	, -	
Rs100		Sum. Ks180
<pre> February >Rs80 ctd colspan="2">Sum:Rs180 </pre> (2 ½ Marks for correct differentiation between Cellspacing and Cellpaddin OR • (1 Mark for correctly defining/explaining/illustrating Cellspacing)	-	101 D0
February Rs80 clospan="2">Sum:Rs180 (2 ½ Marks for correct differentiation between Cellspacing and Cellpaddin, OR (1 Mark for correctly defining/explaining/illustrating Cellspacing)		
Rs80		
colspan="2">Sum:Rs180 (2 ½ Marks for correct differentiation between Cellspacing and Cellpaddin, OR • (1 Mark for correctly defining/explaining/illustrating Cellspacing)	>	
Sum:Rs180 (2 ½ Marks for correct differentiation between Cellspacing and Cellpaddin, OR (1 Mark for correctly defining/explaining/illustrating Cellspacing)		
Sum:Rs180 (2 ½ Marks for correct differentiation between Cellspacing and Cellpaddin, OR • (1 Mark for correctly defining/explaining/illustrating Cellspacing)	February Rs80	
(2 ½ Marks for correct differentiation between Cellspacing and Cellpaddin OR • (1 Mark for correctly defining/explaining/illustrating Cellspacing)	February Rs80	
(2 ½ Marks for correct differentiation between Cellspacing and Cellpaddin OR • (1 Mark for correctly defining/explaining/illustrating Cellspacing)	February Rs80	
 (2 ½ Marks for correct differentiation between Cellspacing and Cellpaddin OR (1 Mark for correctly defining/explaining/illustrating Cellspacing) 	February February Rs80 Sum:Rs180	>
OR (1 Mark for correctly defining/explaining/illustrating Cellspacing) 	February February Rs80 Sum:Rs180	>
OR (1 Mark for correctly defining/explaining/illustrating Cellspacing) 	February February Rs80 Sum:Rs180	
• (1 Mark for correctly defining/explaining/illustrating Cellspacing)	February February Rs80 Sum:Rs180	
	February February Rs80 Sum:Rs180	
	February February Rs80 Sum:Rs180 /td> (2 ½ Marks for correct differentiation between OR	en Cellspacing and Cellpadding
	February February Rs80 cld>colspan="2">Sum:Rs180 (2 ½ Marks for correct differentiation betwee OR • (1 Mark for correctly defining/explaint)	en Cellspacing and Cellpadding