Class: X Session: 2023-24
Computer Applications (Code 165)
Marking Scheme (Theory)

Maximum Marks: 50   **Time Allowed: 2 hours**

QNo	Answer	Distribution of Marks	Total Marks
	SECTION A		
1.	c. Secure Shell	1 Mark for the correct answer	1
2.	b. Facebook.com	1 Mark for the correct answer	1
3.	d. Markup	1 Mark for the correct answer	1
4.	b. Blog	1 Mark for the correct answer	1
5.	d. _bottom	1 Mark for the correct answer	1
6.	a. <body>	1 Mark for the correct answer	1
7.	a. alt	1 Mark for the correct answer	1
8.	c. <hr>	1 Mark for the correct answer	1
9.	a. Description list	1 Mark for the correct answer	1
10.	a. license	1 Mark for the correct answer	1
11.	(d) Assertion (A) is false and Reason (R) is true.	1 Mark for the correct answer	1
12.	(a) Both Assertion (A) and Reason (R) are true and Reason (R) is a correct explanation of Assertion (A).	1 Mark for the correct answer	1
	SECTION B		
13.	Any two points of comparison in between SMS and MMS: <table><tr><td>SMS</td><td>MMS</td></tr><tr><td>It stands for Short Messaging Service.</td><td>It stands for Multimedia Messaging Service.</td></tr><tr><td>It does not support multimedia content and it allows to send only text.</td><td>It supports multimedia content and allows to send images and videos along with text.</td></tr><tr><td>It allows message length up to 160 characters.</td><td>It allows message length up to 1600 characters.</td></tr><tr><td>It is less expensive.</td><td>It is more expensive</td></tr></table>	1 Mark each for any two correct comparison point. **Note:** Any other valid point of comparison will also be considered.	2
14.	**E-learning:** It is a method of obtaining knowledge through digital or, web-enabled gadgets like computers, laptops, tablets, or smartphones. **Advantages:** 1. E-learning is self-paced.	1 Mark for correct definition of e-learning. ½ Mark each for any two correct advantages.	2

	2. E-learning is student-centered. 3. E-Learning is cost-effective. 4. E-learning accommodates individual learning styles. **OR** **Role of e-governance in any country's growth and development:** Now-a-days e-Governance has a major role in any country's growth and development as properly designed and implemented, e-Government can improve efficiency in the delivery of government services, simplify compliance with government regulations, strengthen citizen participation and trust in government, and yield cost savings for citizens, businesses, and the government itself.	**Note:** Any other valid advantages will also be considered. **OR** 2 Marks for correct answer	
15.	Two major points of comparison in between 3G and 4G mobile technologies: | 3G (3rd Generation)	4G (4th Generation)
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The maximum upload and download rate is 5 Mbps and 21 Mbps respectively.	The maximum upload and download rate is 500 Mbps and 1 Gbps respectively.
It uses a packet switching technique.	It uses message and packet switching technique.
Its frequency range is from 1.8 GHz to 2.5 GHz.	Its frequency range is from 2 GHz to 8 GHz.		1 Mark each for any two correct points of comparison. **Note:** Any other valid point of comparison will also be considered.	2
16.	Open-source software is a type of computer software that is released under a license, but the source code is made available to all the users to understand it, modify it or re-distribute it. Name of any two OSS: Linux, Firefox **OR** **Intellectual property rights (IPR):** These are the rights granted to individuals over their original creative works such as inventions, literary and artistic work, designs and symbols, names, and images in commerce. These legal rights are granted through patents, copyrights, trademarks, geographical indications, etc. for a specified time period.	1 mark for correct definition of OSS. ½ mark each for any two correct OSS name. **OR** 2 Marks for correct answer.	2
17.	**Any two purposes of using comments while designing a HTML webpage:** 1. With comments one can place notifications and reminders in the HTML code. 2. Comments are also great for debugging HTML, because you can comment out HTML lines of code, one at a time, to search for errors.	1 Mark each for any two correct purposes. **Note:** Any other valid purpose will also be considered.	2
18.	a. 1-ii, 2-iv, 3-i, 4-iii **OR** **Any two attributes of <font> tag along with their purposes:**	1/2 Mark for matching each pair correctly **OR** 1 Mark each for mentioning any two attributes of <font> tag	2

	Size: This attribute is used to adjust the size of the text in the HTML document. The range of size of the font in HTML is from 1 to 7 and the default size is 3. **Face:** Font type can be set by using face attribute with font tag in HTML document. But the fonts used by the user need to be installed in the system first. **Color:** Font color is used to set the text color using a font tag with the color attribute in an HTML document. Color can be specified either with its name or with its hex code.	along with their correct purposes.	
19.	CO$_2$ X^2	1 Mark for each correct statement	2

<div align="center">SECTION C</div>

20.	Ronaldo should use css to implement extra styles in <h1> tag. **HTML Code:** <html> <head> <style> h1 {color: blue;background-color:yellow;border: 2px solid red} </style> </head> <body> <h1>Welcome</h1> </body> </html> <style> tag should be placed inside <head> tag of a webpage.	½ Mark for correct suggestion of usage of css. 2 Marks for correct css code and ½ Mark for using internal style sheet	3
21.	HTML code to add a video in a web page: <video width="300" height="200" controls> <source src="tiger.mp4" type="video/mp4"> </video>	1 mark for correct usage of <video> 1 mark for correct usage of <source> tag. ½ mark each for correct usage of height and width attribute	3
22.	<img src="next.jpg"> **OR** <html> <body> STREAM WISE CAREER OPTIONS <ul type="square"> Science <ol type="a">	1.5 Marks for correct usage of <img> tag. 1.5 Marks for correct usage of <a> tag. **OR** 1.5 Marks for correct usage of tag along with . 1.5 Marks for correct usage of tag along with .	3

	`<li>Engineering</li>`
	`<li>Medical</li>`
	`<li>Research</li>`
	`</ol>`
	`</li>`
	`<li>Commerce</li>`
	`<li>Humanities</li>`
	`</ul>`
	`</body></html>`		

23.	The digital divide is the unequal access to digital technology, including smartphones, tablets, laptops, and the internet in the society. Any two measures to overcome it: • Increase affordability of digital technologies • More focus on development of internet infrastructure	1 Mark for correct explanation of the term Digital Divide. 1 mark each for any two correct measures. **Note:** Any other valid measure point will also be considered.	3

SECTION D

| 24. | **HTML code to design survey form:**
`<form>`
Name: `<input type="text"><br>`
City: `<br>`
`<select size=3>`
`<option>New Delhi</option>`
`<option>Chennai</option>`
`<option>Hydrabad</option>`
`</select><br>`
Hobby: `<br>`
Reading`<input type="checkbox">`
Writing`<input type="checkbox"><br>`
Singing`<input type="checkbox">`
Dancing`<input type="checkbox">`
`</form>`

OR
HTML code to design given html page:
`<html>`
`<body>`
`<table border=1>`
`<tr>`
`<th colspan=3>`
SKILL WORKSHOPS
`</th>`
`</tr>`
`<tr>`
`<th>SNO</th>`
`<th>SKILL</th>`
`<th>DAYS</th>`
`</tr>`
`<tr>` | 1 Mark each for correct usage of each tag `<form>`, `<input type=text>`,`<select>`..`<option>`,`<input type="checkbox">`

OR
1 Mark for correct usage of `<table>` tag
1 Mark for correct usage of first `<tr>` tag along with `<th>` tag with colspan attribute.
½ Mark each for correct usage of `<tr>`, `<th>` or `<td>` to display remaining 4 rows | 4 |

	`<td>1</td>`
	`<td>Communication Skills</td>`
	`<td>Monday, Wednesday</td>`
	`</tr>`
	`<tr>`
	`<td>2</td>`
	`<td>Art & Craft</td>`
	`<td>Tuesday, Friday</td>`
	`</tr>`
	`<tr>`
	`<td>3</td>`
	`<td>Personality Development</td>`
	`<td>Wednesday, Saturday</td>`
	`</tr>`
	`</table></body></html>`		

SECTION E			
25.	a. Any two popular video conferencing software: Skype, Zoom, Teams, Whatsapp. b. Any two suitable web browsers: Google Chrome, Mozilla Firefox c. Remote login Software: AnyDesk Protocol used in remotely login: TelNet d. https should be preferred as https allows transferring the data in an encrypted form.	a. ½ Mark each for any two correct video conferencing software. b. ½ Mark each for any two correct web browsers. c. ½ Mark each for mentioning one remote log in software and the protocol. d. ½ Mark for mentioning the correct preference ½ Mark for correct justification.	4
26.	**a. Any two netiquettes:** • We should not violate copyright • We should share our expertise with others on the network b. No its not the right act. This act is called plagiarism. **c. Any two common E-commerce frauds:** • Identity Theft • Phishing **d. Any two precautions to be taken while using E-commerce:** • Use updated antivirus software • Always ensure to check https in the web address	a. ½ Mark each for any two correct netiquette. b. ½ Mark for mentioning the act right or wrong ½ mark for mentioning the correct term for the act. c. ½ Mark each for mentioning any two common E-commerce frauds d. ½ Mark each for mentioning any two precautions.	4