CLASS X
POST MID TERM EXAMINATION 2024-25
SUBJECT : COMPUTER APPLICATIONS(165)
SET - A

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

General Instructions:
1. This Question Paper has 5 Sections A-E.
2. All Questions are compulsory.
3. Section A has 12 questions carrying 01 mark each.
4. Section B has 7 Very Short Answer (VSA) type questions carrying 02 marks each.
5. Section C has 4 Short Answer (SA) type questions carrying 03 marks each.
6. Section D has 1 Long Answer (LA) type question carrying 04 marks.
7. Section E has 2 Source based /Case-based /Passage based Questions carrying 04 marks each

	Section-A **Answer the following questions :**	**1x12 =12**
1	**When one page is linked to another website, it is called_____ linking.** i. Internal ii. External iii. Mail iv. None of these	**1**
2	**BGCOLOR attribute is used to set the background color for ……..** i. <TABLE> ii.<TR> iii. <TD> iv. All of these	**1**
3	**What does HTTPS stands for?** i. Hypertext Transfer Protocol Secure ii. Hypertext Transmission Protocol Section iii. Hypertext Terminal Protocol Sanction iv. Hyperlink Transfer Protocol Sample	**1**
4	**The default value of the <UL> tag is a ……** i. Square ii. Circle iii. Disc iv. Rectangle	**1**
5	**Which of the following tag is used to set the heading levels in an HTML document?** i.<HR> ii. iii.<Head> iv.None of these	**1**

6	**What is the process of receiving data from a remote machine to a local machine called?** i Uploading ii Downloading iii Reloading iv Indexing	**1**
7	**What is the purpose of CAPTCHA on websites?** i. To prevent automated bots from accessing or using a website ii. To improve website design and user experience iii. To encrypt sensitive data transmitted over the internet iv. To track user behavior for marketing purposes	**1**
8	**Which technology is used to identify and authenticate users based on their unique physical characteristics, such as fingerprints or retina patterns?** i. RFID ii. Biometrics iii. GPS iv. QR codes	**1**
9	**Which type of input field allows the user to select multiple options?** i. <input type="radio"> ii. <input type="checkbox"> iii. <input type="text"> iv. <input type="select">	1
10	**Which attribute defines the space between the cell content and the cell border?** i. Padding ii. Spacing iii. Cellspacing iv. Cellpadding	**1**
	Questions No-11 & 12 are Assertion and Reason types. Each question consists of two statements, namely, Assertion (A) and Reason (R). Select the most suitable option considering the Assertion & Reason.	
11	**Assertion (A)**:Hyperlinking of a web document means linking to another web document or a position in a web document. **Reason (R):**HTML allows external and internal linking . i. Both (A) and (R) are true and (R) is a correct explanation of (A). ii. Both (A) and (R) are true but (R) is not a correct explanation of (A). iii. (A) is true and (R) is false. iv. (A) is false and (R) is true.	**1**
12	**Assertion (A): The <form> tag can contain input elements for user data collection.** **Reason (R): The <form> tag must have an action attribute to specify where to send the data.** i. Both (A) and (R) are true and (R) is a correct explanation of (A). ii. Both (A) and (R) are true but (R) is not a correct explanation of (A). iii. (A) is true and (R) is false. iv. (A) is false and (R) is true.	**1**
	Section-B **Answer the following questions :**	**2X7 =14**

13	Write the HTML code to send an email to abc@xyz.com through your web page.	**2**
14	Name the attributes of <IMG> tag which are used for specifying its dimensions in a web page.	**2**
15	Differentiate between BGCOLOR and BACKGROUND ?	**2**
16	What is intellectual property? What do you understand about intellectual property rights?	**2**
17	Compare 3G and 4G mobile technologies on any two major points.	**2**
18	What are the major factors behind the digital divide?	**2**
19	What is credit card fraud?	**2**
	Section-C **Answer the following questions :**	**3X4 =12**
20	**Write short note on;** i) E-Groups ii) Social Networking iii) Video Conferencing	**3**
21	**Define the following with an example:** i) Heading tag ii) Paragraph tag iii) Superscript tag	**3**
22	Write suitable html statements to display the following text on a webpage in appropriate subscript and superscript form: i. NH_3 ii. $A^2+B^2+C^2$ iii. $C_6H_{12}O_6$	**3**
23	Define plagiarism. Explain the concept of copyright. How does it relate to plagiarism?	**3**
	Section-D **Answer the following questions :**	**4X1 =4**
24	Write HTML code to generate the following table.	**4**

	Table with Row and Column Span <table><tr><th>Day/Time</th><th>9:00 AM - 11:00 AM</th><th>11:00 AM - 1:00 PM</th><th>1:00 PM - 3:00 PM</th></tr><tr><td rowspan="2">Monday</td><td>Math</td><td rowspan="2">Science</td><td>History</td></tr><tr><td>English</td><td>Geography</td></tr><tr><td colspan="4">Lunch Break</td></tr><tr><td colspan="2">Wednesday</td><td>Art</td><td>Physical Education</td></tr></table>	
	Section-E **Answer the following questions :**	**4X2 =8**
25	Discuss the significance of cyber security in the modern digital landscape. In your answer, address the following points: ● Definition and Scope of Cyber Security ● Current Cyber Threats ● Best Practices for Enhancing Cyber Security ● The Importance of User Awareness and Training	
26	Mr Lokesh comes from a village, which recently started seeing the digital revolution, and now the people of his village have access to the internet. They can shop online, make payments online, sell online and so on. Lokesh is also excited with these new changes. He ordered some items online and entered his bank card details on the web page to make the payment. But still after passing the promised due date, he has not received his ordered items. There is no way to contact the company as phones are unreachable and emails are not being responded to. He also noticed after some days that someone is sending emails on his behalf, using his personal data.	**4**
	Based on the above information answer the following question: - i. Mr. Lokesh is a victim of _____. ii. Mr. Lokesh finds that his personal details are now leaked. This means his _____ is compromised. iii. While filling out details online, Mr. Lokesh should have checked _____ in the URL. iv. This type of incident will be recognized as a case of _____ (Specify the type of crime)	