COMPUTER APPLICATIONS - CODE 165
SAMPLE QUESTION PAPER* (THEORY)
CLASS X (2025-26)

Time allowed: 2 Hours **Maximum Marks:50**

General Instructions:

1) This Question Paper has 5 Sections A-E.
2) All Questions are compulsory. However, internal choices have been provided in some of the questions.
3) Section A has 12 questions carrying 01 mark each.
4) Section B has 7 Short Answer (SA-I) type questions carrying 02 marks each.
5) Section C has 4 Short Answer (SA-II) 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.

Q No.	**Section-A (12 x 1 = 12 Marks)** **This section contains 12 Multiple Choice questions carrying 01 mark each.**	Marks
1	Which of the following is **NOT** a web service? (A) Sending an email via a webmail client (B) Making online transactions through a banking portal (C) Sharing files through Bluetooth (D) Conducting online classes for students	1
2	What does TCP/IP stands for? (A) Transmission Control Program/Internet Protocol (B) Transfer Control Program/Internet Protocol (C) Transfer Control Protocol/Internet Provider (D) Transmission Control Protocol/Internet Protocol	1
3	Information retrieval refers to the process of: (A) Locating and accessing information through search engines (B) Sending and receiving emails using different email protocols (C) Transferring files from one device to another using protocols (D) Fetching web pages from a server	1
4	Which of the following is an attribute of the <body> tag? (A) vlink (B) face (C) color (D) font-size	1
5	In HTML, the bgcolor attribute is used to _____ (A) Set the background color of the webpage (B) Set the text color of the webpage	1

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	(C) Set the background image of the webpage (D) Set the background text of the webpage	
6	Which of the following is the use of VoIP technology? (A) Transmitting multimedia content over the internet (B) Sending and receiving emails (C) Making voice calls over the internet (C) Hosting websites on servers	1
7	Which of the following best describes the main responsibility of a web server? (A) Storing files on a local device (B) Transmitting data across the internet (C) Hosting websites and delivering content to web browsers (D) Encrypting files to ensure secure transfer	1
8	The digital divide refers to: (A) The difference in privacy laws across different countries (B) The gap between those who have access to digital devices and those who do not (C) The issue of intellectual property rights in the digital world (D) The security measures taken to protect digital transactions in e-commerce	1
9	Which of the following is a characteristic of open-source software? (A) It is free of cost and can be modified by anyone. (B) It is free of cost, but cannot be modified. (C) It requires a fee for usage and modification. (D) It is available for purchase and cannot be shared.	1
10	Rahul wants to access another computer system remotely. Which protocol should he use? (A) SMTP (B) POP3 (C) HTTP (D) TELNET	1
	Q-11 and Q-12 are Assertion (A) and Reason (R) Type questions. Choose the correct option as: **(A) Both A and R are True, and R correctly explains A.** **(B) Both A and R are True, but R does not correctly explain A.** **(C) A is True, but R is False.** **(D) A is False, but R is True.**	
11	**Assertion (A):**. FTP is used for transferring files over a network. **Reason (R):** FTP encrypts all file transfers for secure communication.	1
12	**Assertion (A):** When we enter the URL of a website in the address bar, the web browser retrieves the web page from a web server. **Reason (R):** The web browser uses the HTTP protocol to interact with web servers and retrieve web pages.	1

Q No.	Section-B (7X2 = 14 Marks) **This section contains 07 Short Answer type questions carrying 02 marks each.**		Marks
13	What is the importance of comments. Write the syntax for writing comments in an HTML page.		2
14	A	Sanaya, a Class X student, enjoys learning through online platforms. What is this approach of studying called? Mention any two advantages of using this approach. **OR**	2
	B	What do you understand by the term web-address? How is it different from an email address?	
15	Aarav is designing a webpage and wants to set the background color and text color. Write code to achieve this using HTML attributes.		2
16	A	Explain the purpose of the rowspan and colspan attributes in an HTML table. Provide an example. **OR**	2
	B	Shruti wants to create a numbered list on her webpage. Explain the purpose of the type and start attributes in the tag with an example.	
17	What is the purpose of Hyper-link in an HTML Page? Explain the use of the href attribute with an example.		2

18	A	An incomplete HTML code of a webpage is given below. Fill in the empty spaces in the <style> tag to meet the specifications given.
		**<html>
		<head>
		<title>CSS Demo</title>
		<style>
		body {
		_____: Yellow;
		}
		
		h1 {
		_____: Red;
		_____: Arial;
		}
		
		p {
		_____: 16px;
		}
		</style>**
			2

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		</head> **<body>** **<h1>Welcome to My Webpage</h1>** ** This page demonstrate CSS styling. ** **</body>** **</html>** **Specifications** • Set the background color of the webpage to Yellow. • The heading (<h1>) should have a Red color and use the Arial font. • The paragraph text ( ) should have a font size of 16px. **OR**	
	B	Nisha, a Class X student, is designing an HTML page to display a description list and an ordered list for her project. She writes the following code: **<html>** **<body bgcolor="lightgrey">** ** Indian Cities ** **<dl>** **<dt>Mumbai</dt>** **<dd>The City of Dreams</dd>** **<dt>Kolkata</dt>** **_____<!-- line 1 -->** **</dl>** ** Popular Cities in India: ** **<ol type="_____" start="_____"> <!-- line 2 -->** ** - Delhi ** ** - Mumbai ** **_____<!-- line 3 -->** ** ** **</body>** **</html>** Based on the above code, fill in the blanks in line 1, line 2, and line 3 as per specifications given below. • In line 1, add the description "The City of Joy" for Kolkata. • In line 2, specify the type of ordered list as Roman numerals and set the starting value as 5. • In line 3, add the name of another city Chennai as the third list item.	

19	Ravi is trying to make an online payment on an e-commerce website. He sees that the website's URL starts with "http". Should he continue with the payment? Give reasons to support your answer.	2
Q No	**Section-C (4X3 = 12 Marks)** **This section contains 04 Short Answer type questions carrying 03 marks each.**	**Marks**
20	The following HTML statements contain errors. Rewrite the correct versions of these statements with underlined corrections, following the given specifications: i. <A href=https://www.education.gov.in/ acolor="purple">Click Here</A> **Specification:** The color of the hyperlink when it's clicked should be pink. ii. <TITLE font="16px">My Webpage</TITLE> **Specification:** The webpage title should be 'My Webpage' without any font-related attributes. iii. <FONT type=arial size=12>Welcome to my website!</FONT> **Specification:** The text should use the Arial font, size 12.	3
21	Suchita is examining a URL https://www.data.gov.in/ and has a few questions. Help her by providing answers to the following questions. i. Which part of the URL represents the protocol? ii. What is the meaning of "s" in https? iii. What do the abbreviations URL and WWW stand for?	3
22	A: Write suitable HTML Code to Embed audio and video in a webpage. **OR** B: What is a Hypertext link? Write the HTML code to create a hyperlink that refers to an external website in a webpage.	3
23	Raghav wants to add the following text to a webpage. Help him by writing the suitable HTML statements for the following: i. CO_2 ii. $(X+Y)^2$ iii. A^4	3
Q No.	**Section-D (1X4 = 4 Marks)**	**Marks**

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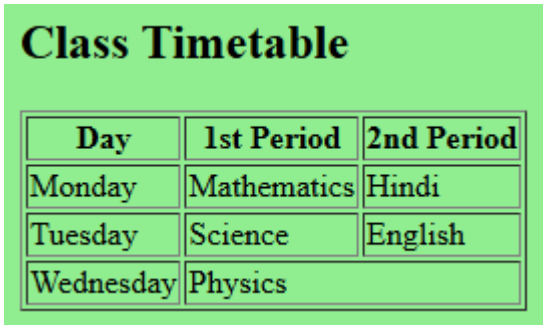
	This section contains 01 Long Answer (LA) type question carrying 04 marks.		
24	A	Write the HTML code to design the web page as shown below, considering the specifications as given below.  **Specification-1** : The HTML code structure should be proper. Heading 'Class Timetable' should be the second level of heading and Background color of the page should be LightGreen. **Specification-2** : The value of the table border attribute should be 1. Table header tag should be used wherever required. **Specification-3** : The table should exactly contain 3 rows and 3 columns. The data in each cell should be as shown in the above table. **Specification-4** : Attribute colspan should be used wherever required. **OR**	4
	B	Answer the following Questions. i. Which HTML tag is used for inserting an image on a webpage. ii. Rahul wants to display an image 'logo.jpg' on a webpage. Write the HTML command he should use to insert the image. iii. On the same webpage, Rahul wants to create a link to another webpage 'aboutus.html' when the image is clicked. Write the HTML command he should use. iv. Explain the use of the "alt" attribute in the HTML Image tag.	
Q No.	**Section-E (2 X 4 = 8 Marks)** **This section contains 2 Source based /Case-based /Passage based Questions carrying 04 marks each.**		**Marks**
25	Mr. Ravi recently bought a new smartphone and began exploring online platforms. He decided to book a train ticket to visit his hometown and searched for a booking website which looks very much like the original website. After entering his personal and payment details, he noticed that money had been		4

	deducted from his account, but he didn't receive any booking confirmation. He then realized that he has been a victim of fraud. Based on the above information, answer the following questions: i. What kind of fraud is Mr. Ravi a victim of? ii. Which sensitive information may have been exposed due to the fraudulent activity? iii. What should Mr. Ravi have checked in the URL before entering his details online? iv. What steps can Mr. Ravi take to protect his financial information in the future?	
26	Meera is a creative student who loves to design posters for her school events. While preparing a poster for a cultural festival, she downloaded images and content from the internet without seeking permission or giving credit to the original creators. Based on the above information, answer the following questions: i. Can this incident be considered a violation of Intellectual Property Rights (IPR)? Why or why not? ii. Mention the type of Intellectual Property Rights violation committed by Meera. iii. How can Meera avoid this ethical issue while preparing her poster? iv. Suggest any two netiquettes that Meera's classmates should follow when using online resources.	4

COMPUTER APPLICATIONS -CODE 165

MARKING SCHEME

CLASS X (2025-26)

Time allowed: 2 Hours **Maximum Marks:50**

Q No.	Section-A	Marks
1	(C) Sharing files through Bluetooth *(1 mark for correct answer)*	1
2	(D) Transmission Control Protocol/Internet Protocol *(1 mark for correct answer)*	1
3	(A) Locating and accessing information through search engines *(1 mark for correct answer)*	1
4	(A) vlink *(1 mark for correct answer)*	1
5	(A) Set the background color of the webpage *(1 mark for correct answer)*	1
6	(C) Making voice calls over the internet *(1 mark for correct answer)*	1
7	(C) Hosting websites and delivering content to web browsers *(1 mark for correct answer)*	1
8	(B) The gap between those who have access to digital devices and those who do not *(1 mark for correct answer)*	1
9	(A) It is free of cost and can be modified by anyone. *(1 mark for correct answer)*	1
10	(D) TELNET *(1 mark for correct answer)*	1
11	(C) A is True, but R is False. *(1 mark for correct answer)*	1
12	A) Both A and R are True, and R correctly explains A *(1 mark for correct answer)*	1

Q No.	Section-B		Marks
13	Comments help in explaining the code and making it more readable. Syntax: <!-- This is a comment --> *(1 mark for correct importance)* *(1 mark for correct syntax)*		2
14	A	This approach is called online learning/e-learning/digital learning. Two advantages: • Flexibility • Access to a wide range of resources. *(1 mark for correct mention of approach)* *(1 mark for two correct advantages)*	2
		OR	
	B	A web address (URL) is used to locate a website. Web address (URL) is used to locate a website while an email address is used to send and receive emails. *(1 mark for correct definition)* *(1 mark for correct difference)*	
15	Aarav can use the bgcolor attribute to set the background color and the text attribute to set the text color in HTML. Example: <body bgcolor="yellow" text="red"> *(2 marks for correct code)*		2

16	A	The rowspan attribute in HTML is used in a table to allow a cell to span across multiple rows. Example: <td rowspan=”2”>Data</td> The colspan attribute in HTML is used in a table to allow a cell to span across multiple columns. Example: <td colspan=”2”>Data</td> *(1 mark for mentioning purpose of rowspan with example)* *(1 mark for mentioning purpose of colspan with example)* **OR**	2
	B	The type attribute defines the style of ordering for the list. The start attribute specifies the starting value for the first list item. **<html> <head></head> <body> <ol type="i" start="4"> - Fourth - Fifth - Sixth </body> </html>** *(1 mark for mentioning purpose of type and start attribute)* *(1 mark for mentioning correct example)*	
17	The purpose of a hyperlink is to link one webpage to another. The href attribute specifies the link destination. Example: Click Here *(1 mark for correct purpose)* *(1 mark for mentioning correct use and example)*		2

18	A	Line 1: background-color Line 2: color Line 3: font-family Line 4: font-size *(1/2 mark for filling each blank correctly)* **OR**	2
	B	Line 1: <dd>The City of Joy</dd> Line 2: type="I" Line 2: start="5" Line 3: Chennai *(1/2 mark for filling each blank correctly)*	
19	Ravi should not continue with the payment if the website's URL starts with "http" because it is not secure. "https" is required for safe transactions. *(1 mark for correct choice)* *(1 mark for correct justification)*		2
Q No	**Section-C**		**Marks**
20	i <body alink="pink"> Click Here </body> ii. <title>My Webpage</title> iii. Welcome to my website! *(1 mark for each correct answer)*		3
21	I) https II) It signifies that the transmission of information over the network is secure. III) URL: Uniform Resource Locator WWW: World Wide Web *(1 mark for each correct answer)*		3

22	A	HTML Code for Embedding Video : <video controls><source src="VideoFile.mp4"></video> HTML Code for Embedding Audio : <audio controls><source src="AudioFile.mp3"></Audio> *(1.5 mark for code of Embedding Video)* *(1.5 mark for code of Embedding Audio)*	3
		OR	
	B	Hyperlink allows us to link HTML elements (text and/or image) to another document or new section within the current document. External Link *(1.5 mark for correct definition)* *(1.5 marks for correct code)*	
23		I. CO₂ II. (X+Y)² III. A⁴ *(1 mark for each correct answer)*	3
Q No.		**Section-D**	**Marks**
24	A	**<html>** **<head>** **<title>Class Timetable</title>** **</head>** **<body bgcolor='LightGreen'>** ** Class Timetable **	**4**

		<table border='1'> **<tr>** **<th>Day</th>** **<th>1st Period</th>** **<th>2nd Period</th>** **</tr>** **<tr>** **<td>Monday</td>** **<td>Mathematics</td>** **<td>Hindi</td>** **</tr>** **<tr>** **<td>Tuesday</td>** **<td>Science</td>** **<td>English</td>** **</tr>** **<tr>** **<td>Wednesday</td>** **<td colspan='2'>Physics</td>** **</tr>** **</table>** **</body>** **</html>** *(1 mark for correct implementation of each specification)* **OR** I. <img> tag II. <img src="logo.jpg" alt="Logo"> III. <img src="logo.jpg" alt="Logo"> 	
	B)		

		IV. The "alt" attribute provides an alternate text for the image that will be displayed when the image fails to load. *(1 mark for each correct answer)*	
Q No.	**Section-E**		**Marks**
25	I. e-commerce fraud or Phishing II. financial information III. He should have checked for "https://" . IV. He should use trusted payment gateways for payment. *(1 mark for each correct answer)*		4
26	I. Yes, this is an example of IPR violation because Meera is using someone else's creative work without proper authorization or acknowledgment. II. Plagiarism III. She should give proper credit to the original creators by citing the source. She should use copyright-free resources or materials licensed under Creative Commons. IV. Always respect copyright laws and seek permission before using someone else's work. Avoid spreading misinformation or using online content without verifying its authenticity. *(1 mark for each correct answer)*		4