

**Class: X Session: 2022-23**  
**Computer Applications (Code 165)**  
**Sample Question Paper (Theory)**

**Maximum Marks: 50**

**Time Allowed: 2 hours**

**General Instructions:**

1. This Question Paper has 5 Sections A-E.
2. All Questions are compulsory. However, an internal choice of approximately 30% is provided.
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 (All questions are compulsory)**

1. \_\_\_\_\_ refers to the gap between those who have access to technology and those who do not.
  - a. Digital Divide
  - b. Digital Unity
  - c. Freedom of Information
  - d. Privacy
2. Which of these is an example of an e-governance website?
  - a. amazon.com
  - b. cbse.nic.in
  - c. india.gov.in
  - d. brainly.gov.in
3. Which one of the following is not an e-commerce website?
  - a. Snapdeal
  - b. Amazon
  - c. Diksha
  - d. Myntra
4. Which protocol is used to send an E-Mail over a network?
  - a. SMTP
  - b. POP3
  - c. FTP
  - d. HTTP
5. Choose the most appropriate statement for MMS.
  - a. Sending video files
  - b. Sending audio file
  - c. Sending text files only
  - d. Sending Multimedia content
6. Collection of hyper linked documents available on the internet is known as \_\_\_\_\_.
  - a. Website
  - b. Webpage
  - c. Search Engine

- d. URL
7. The HTML tag used to make the text italics is \_\_\_\_:
- <italics>
  - <ita>
  - <i>
  - <L>
8. What type of CSS is the following code snippet?
- ```
<h1 style="color:blue;">A Blue Heading</h1>
```
- External
  - Inline
  - Outline
  - Internal
9. Which tag is used to provide line break \_\_\_\_\_ in html document.
- <p>
  - <br>
  - <line>
  - <em>
10. The attribute of the <IMG> tag used to specify the location of an image is \_\_\_\_:
- img
  - src
  - alt
  - name

**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): HTML is a Markup language.

Reason (R): HTML is used to structure or format text with the help of predefined tags.

- Both Assertion (A) and Reason (R) are true and Reason (R) is a correct explanation of Assertion (A).
- Both Assertion (A) and Reason (R) are true but Reason (R) is not a correct explanation of Assertion (A).
- Assertion (A) is true and Reason (R) is false.
- Assertion (A) is false and Reason (R) is true.

12.

Assertion (A): In HTML, Tags written in lowercase letters or uppercase letters are treated as the same.

Reason (R) : HTML is a case sensitive language.

- Both Assertion (A) and Reason (R) are true and Reason (R) is a correct explanation of Assertion (A).
- Both Assertion (A) and Reason (R) are true but Reason (R) is not a correct explanation of Assertion (A).
- Assertion (A) is true and Reason (R) is false.
- Assertion (A) is false and Reason (R) is true.

**Section –B (2 marks each)**

13. What is E-learning? Name any one Indian e-learning website.

14. Write any 2 disadvantages of e-shopping.

OR

Write any 2 advantages of e-groups.

15. What is a Hypertext link? Give the name and the syntax for the HTML tag which is used for creating a Hypertext Link.

16. Write any two differences between proprietary and open-source software.

OR

Define e-Commerce. Name any 2 issues related to privacy in e-commerce

17. "CSS is the most popular choice for the web developers these days". Write any four advantages of CSS.

18. Write the difference between `alink` and `vlink`. Write an HTML statement to illustrate the usage of these 2 attributes.

OR

Write the difference between `<dt>` and `<dd>` tags.

19. Explain the concept of Submit and Reset buttons in HTML forms.

### **Section –C (3 marks each)**

20. "Plagiarism is a major problem in the world nowadays". What do mean by plagiarism? Write any two steps to avoid plagiarism.

21. Consider the URL: <https://www.shiskha.com> and answer the following questions:

- What does `.com` suggest?
- Which component identifies the type of protocol?
- What is the significance of "s" in `https`?

22. Write the equivalent inline CSS for the following HTML tag.

- `<body bgcolor="green">`
- ``

OR

- Write an external CSS code snippet to set all four margins of the body tag with 5px each.
- Write an inline CSS code to set the background color for the first level heading as 'green' containing the text "My CA Exam".

23. Mr. Amit is a new Internet User. You, being his friend suggest to him some tips which he should follow while using the internet.

### **Section –D (4 marks each)**

24. Write the HTML code to design the web page as shown below, considering the specifications that follow. You can write the code for any 4 specifications out of the given 5 specifications.

## List of states and their popular cities



1. Uttar Pradesh
  - Lucknow
  - Banaras
2. Bihar
3. Madhya Pradesh
4. Punjab
  - Amritsar
  - Ludhiana
5. Maharashtra

Give [feedback](mailto:mail@me.com)

**Specification-1:** The HTML code structure should be proper. Heading 'List of states and their popular cities ' should be the second level of heading at the center of the page and the Background color of the page should be yellow.

**Specification-2:** JPG Image named "NATION" should be placed.

**Specification-3:** The page should consist of a nested list and the data as exactly given in the question. The outer list should be numbered list.

**Specification-4:** The inner list as given should be symbol based

**Specification-5:** feedback should be the email link [mail@me.com](mailto:mail@me.com)

OR

Write the HTML code to design the web page as shown below, considering the specifications that follow. You can write code for any 4 specifications out of the given 5 specifications:

## Indian Motivational Books

Motivational books or speeches create a positive and optimistic impact on your life. They boost your confidence and help in developing a positive outlook towards life. Books make you realize how powerful you can be in your life. Some of the books Motivational Indian Books and its authors:

### Popular Books in India

You are Born to Blossom	Dr APJ Abdul Kalam
The Monk Who Sold His Ferrari	Robin Sharma
The Five Steps to Success	Yandamoori Veerendranath
Stay Hungry Stay Foolish	Rashmi Bansal

### Popular Book in India

Malgudi Days is a collection of short stories by **R.K. Narayan** published in 1943.

**Feedback**

- Specification-1:** Title of the web page is "Motivational Books" and the heading of level -1 at the middle of the web page is "Indian Motivational Books".
- Specification-2:** The caption of the table is "Popular Books in India"
- Specification-3:** The tabular data of 4 rows and 2 columns is with border size as 2.
- Specification-4:** The content "R.K.Narayan" is Bold, Italics and Underline
- Specification-5:** The image "fdbk.jpg" at the end will give feedback on the email [sendfeedback@me.com](mailto:sendfeedback@me.com)

**Section - E**  
**Case Study -1**

25. Naveen went to an interview for the post of web developer. In the technical test, he was supposed to design an HTML table as given below. Help him to complete the table with the right statements in the blanks. Observe the table and attempt any four questions (out of 5) given after the table).

Futuristic Time Table			
Period-No	Monday	Wednesday	Friday
1	Robotics	NLG	NLU
2		Data Science	Sound
3	Light	Machine Learning	
4	Speed		Velocity

```

<HTML>
<HEAD>
    <TITLE> Table Concept </TITLE>
</HEAD>
<BODY>

<Table _____ =2>                                <!--STATEMENT-1>
<_____> Futuristic Time Table</_____> <!--STATEMENT-2>
<tr>
    <th> Period-No </th>
    <th> Monday </th>
    <th> Wednesday </th>
    <th> Friday </th>
</tr>
<tr>
    <td> 1 </td>
    <td> _____=2> Robotics </td>                                <!--STATEMENT-3>
    <td> NLG </td>
    <td>NLU </td>
</tr>
<tr>
    <td> 2 </td>
    <td> Data Science </td>
    <td>Sound </td>
</tr>
<tr>
    <td> 3 </td>
    <td>Light </td>
    <td> _____=2> Machine Learning </td>                                <!-- STATEMENT-4>
</tr>
<tr>
    <td> 4 </td>
    <td> Speed </td>

```

```
<td></td>
<td> Velocity </td>
</tr>
<!-- STATEMENT-5>
```

- Write the attribute value to complete Statement-1 to achieve the output given in the above table.
- Write suitable option for the blanks given in Statement-2.
- Write the appropriate answer for the blank given in Statement-3
- Write the appropriate answer for the blank given in Statement-4
- What will be the complete sequence of closing the above html document in statement 5?

### Case Study-2

26. Parminder recently celebrated his 14th birthday. On his birthday he got to know about Facebook. He learned how social networking sites help people to meet their friends and discuss things online. He also found out that he is now eligible to open a Facebook account. He creates his profile on Facebook and starts connecting with his friends.

Within a few days, he befriends many people he knows and many people he does not know. After some time he starts getting negative comments on his posts. He also finds that his pictures are being shared online on objectionable websites.

**Based on the given information, answer the questions given below. Attempt any four questions**

- Identify the type of cybercrime Parminder is a victim of.
- After hearing about his ordeal, the school decides to publish a set of moral principles that determines the appropriate behavior of students while using the internet. The school is referring to \_\_\_\_\_
- Write a safety measure to be taken by Parminder to avoid threats from unknown people in the future.
- Parminder decides to make a list of common safety precautions to be taken when online. Write any two points that Parminder should include in his list.
- Why are privacy settings so important in social networking sites?

**Class: X Session: 2022-23**  
**Computer Applications (Code 165)**  
**Marking Scheme (Theory)**

**Maximum Marks: 50**

**Time Allowed: 2 hours**

QNO		Distribution of marks	Total Marks
<b>Section A</b>			
1	a. Digital Divide		1
2	c india.gov.in		1
3	c. Diksha		1
4	a. SMTP		1
5	d. Sending Multimedia Content		1
6	a. Website		1
7	c. <i>		1
8	b. Inline		1
9	b. 		1
10	b. src		1
11	(a) Both Assertion (A) and Reason (R) are true and Reason (R) is a correct explanation of Assertion (A).		1
12	(c) Assertion (A) is true and Reason (R) is false.		1
<b>Section - B</b>			
13	E-learning refers to a learning system that we can obtain through the internet using an electronic device.  Site: <a href="https://swayam.gov.in/">https://swayam.gov.in/</a> (or any other valid w-learning website)	1  1	2
14	1. Lack of Interaction 2. Delay in delivery (Any other valid disadvantage)  OR  1. It helps in learning more – It increases your understanding of a subject or lesson. 2. It helps in generating more ideas about a topic. (Any other valid disadvantage)	1 1   1 1	2   2
15	Hyperlink allows us to link HTML elements (text and/or image) to another document or new section within the current document. Name : anchor tag, Syntax <a href="Link Address">Hyperlink Text</a>	1 mark for each point	2
16	The software that is owned by an individual or company who published it is known as the proprietary software. E.g.: Adobe Flash, MS Office  The software that is available for anyone to access or change the code is known as Open Source software. E.g.: Open Office, Chrome. (Mentioning any other example as well)  OR  Buying and selling of goods and services over the internet is known as e-	.5 .5  .5 .5  1 mark for	2   2

	Commerce. Privacy issues in e-commerce are Phishing and Spamming (Any other valid issue)	each point	
17	Advantages of CSS <ul style="list-style-type: none"> <li>It helps to make consistent and spontaneous changes in web pages.</li> <li>It improves the loading speed of the page.</li> <li>CSS has the ability to re-position the elements on webpage.</li> <li>It has better device compatibility.</li> </ul> (Any other valid advantage is accepted)	.5 .5 .5 .5	2
18	The alink (active link) color appears while the mouse is clicking the link. The vlink (visited link) is the color of the link after the user has visited it. <body link="Color name " vlink="Color name" alink="Color name">  (.5 marks for each definition and 1 marks for correct syntax)  OR  The <dd> tag is used to describe a term/name in a description list. The <dd> tag is used in conjunction with <dl> (defines a description list). <dt> (defines terms/names). Inside a <dd> tag you can put paragraphs, line breaks, images, links, lists, etc.	1  1  1 1	2  2
19	Submit Button allow the user to send the form data onwards for processing. Reset button allows the user to clear the form fields of all entered information.	1  1	2
<b>Section – C</b>			
20	<ul style="list-style-type: none"> <li>Plagiarism: When you use another person's words or ideas and try to pass them off as your own.</li> </ul> Two Steps to avoid plagiarism <ul style="list-style-type: none"> <li>Properly quote and paraphrase and add your own examples.</li> <li>Always cite sources.</li> </ul> (or Any 2 valid steps)	1  1 1	3
21	a. com suggests that the URL belongs to a commercial organization. b. HTTPS component identifies the type of protocol. c. It defines that website is secured for any type of transaction.	1  1 1	3
22	a. Ans: <body style="background-color:green;"> b. Ans:   OR a. Ans: body{ margin-top:5px; margin-right:5px; margin-left:5px; margin-bottom:5px; } b. b. Ans: <h1 style="background-color:green"> My CA Exam </h1>	1.5 1.5  1.5 1.5	3  3
23	a. He should use respectful language for all. b. He should choose friends wisely and should not share his personal information with all. c. He should neither send spam nor should encourage the same. (Any 3 points)	1  1 1	3
<b>Section – D</b>			
24	<HTML>		



	<pre> &lt;HEAD&gt;   &lt;TITLE&gt; &lt;/TITLE&gt; &lt;/HEAD&gt; &lt;BODY bgcolor="yellow"&gt; &lt;H2 align="center"&gt;List of states and their popular cities &lt;/H2&gt; &lt;Imgsrc="Nation.jpg" Border=2&gt; &lt;ol type=1&gt; &lt;li&gt; Uttar Pradesh   &lt;ul type= "square"&gt;     &lt;li&gt; Lucknow     &lt;li&gt;Banaras   &lt;/ul&gt; &lt;li&gt; Bihar &lt;li&gt; Madhya Pradesh &lt;li&gt; Punjab   &lt;ul type= "square"&gt;     &lt;li&gt; Amritsar     &lt;li&gt; Ludhiana   &lt;/ul&gt; &lt;li&gt; Maharashtra &lt;/ol&gt;  Give &lt;a href="mailto:mail@me.com"&gt; feedback &lt;/a&gt; &lt;/BODY&gt; &lt;/HTML&gt;  (Each specification carries 1 mark]  OR </pre>		4
25	<pre> &lt;HTML&gt; &lt;HEAD&gt;   &lt;TITLE&gt; Motivational Books &lt;/TITLE&gt; &lt;/HEAD&gt; &lt;BODY bgcolor="orange"&gt;   &lt;center&gt;     &lt;h1&gt; Indian Motivational Books &lt;/h1&gt;   &lt;/center&gt;   &lt;p align="center"&gt;     Motivational books or speeches create a positive and optimistic impact on     your life. They boost your confidence and help in developing a positive     outlook towards life. Books make you realize how powerful you can be in     your life.     Some of the books Motivational Indian Books and its authors:   &lt;/p&gt;   &lt;table border=2&gt;     &lt;caption&gt;Popular Books in India&lt;/caption&gt;     &lt;tr&gt;       &lt;td&gt; You are Born to Blossom &lt;/td&gt;       &lt;td&gt; Dr APJ Abdul Kalam &lt;/td&gt;     &lt;/tr&gt;     &lt;tr&gt;       &lt;td&gt; The Monk Who Sold His Ferrari&lt;/td&gt;       &lt;td&gt; Robin Sharma &lt;/td&gt;     &lt;/tr&gt;   &lt;/table&gt; </pre>		

	<pre>&lt;tr&gt; &lt;td&gt; The Five Steps to Success &lt;/td&gt; &lt;td&gt; Yandamoori Veerendranath &lt;/td&gt; &lt;/tr&gt; &lt;tr&gt; &lt;td&gt; Stay Hungry Stay Foolish &lt;/td&gt; &lt;td&gt; Rashmi Bansal &lt;/td&gt; &lt;/tr&gt;  &lt;/table&gt;  &lt;p&gt;Popular Book in India&lt;br&gt; Malgudi Days is a collection of short stories by &lt;B&gt; &lt;I&gt; &lt;U&gt; R.K. Narayan &lt;/U&gt; &lt;/I&gt; &lt;/B&gt; published in 1943. &lt;/p&gt; &lt;a href="mailto:sendfeedback@me.com"&gt; &lt;img src="FDBK.jpg"&gt; &lt;/a&gt; &lt;/BODY&gt; &lt;/HTML&gt;  (Each specification carries 1 mark]</pre>		
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#### Section – E

<b>25</b>	(Any four)		
a	border	1	
b	caption	1	
c	Rowspan	1	
d	colspan	1	
e	</Table></Body></HTML>	1	
<b>26</b>	(Any four)		
a	Cyber Bullying	1	
b	Cyber ethics	1	
c	Lock his profile and only let his friends view his profile Or any other valid safety measure	1	
d	1. Use strong passwords to protect their data online. 2. Log out of social media accounts after the session Or any other two valid points	½ mark for each correct answer	
e	Privacy settings may be used by the user to adjust the visibility of the profile or certain information on the profile. This will ensure that what we are posting online is only accessible to people we know and trust.	1	