



**INDIAN SCHOOL MUSCAT  
HALF YEARLY EXAMINATION 2023  
COMPUTER APPLICATIONS (165)**



CLASS : X  
DATE:21/09/2023

TIME ALLOTTED : 2 HRS.  
MAXIMUM MARKS: 50

## MARKING SCHEME

PART A		
SECTION I		
(Each question carries 1 mark)		
1.	.....refers to the gap between those who have access to technology and those who do not. <b>a. Digital Divide</b> b. Digital Unity c. Freedom of Information d. Privacy	1
2.	Which one of the following is not an e-commerce website? a. Snapdeal b. Amazon <b>c. Diksha</b> d. Myntra	1
3.	Which tag is used to provide line break in html document? a. <p> <b>b. &lt;br&gt;</b> c. <line> d. <em>	1
4.	Identify the attribute of <IMG> tag that is used to specify the location of an image. a. img <b>b. src</b> c. alt d. name	1
5.	M in HTML stands for: a. Modify	1

	b. Management c. Multiple <b>d. Markup</b>	
6.	In HTML, border attribute belongs to ..... tag. <b>a. &lt;table&gt;</b> b. <form> c. <th> d. <list>	1
7.	Which of the following is NOT an example of Intellectual Property rights? a. Patent b. Trademark <b>c. Password</b> d. Industrial Design	1
8.	The default alignment of images, that are inserted in Web page, is: <b>a. left</b> b. right c. inline with text d. middle	1
9.	_____ is a software for which exclusive rights of modification in the source code remain with the owner. a. Free Open-Source Software b. Freeware c. Open-Source Software <b>d. Proprietary Software</b>	1
10.	Which of the following will result in the largest heading size? <b>a.&lt;h1&gt;</b> b.<h2> c.<h6> d.<h5>	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): HTML is a Markup language. Reason (R): HTML is used to structure or format text with the help of predefined tags. <b>a. Both Assertion (A) and Reason (R) are true and Reason (R) is a correct</b>	1

	<p><b>explanation of Assertion (A).</b></p> <p>b. Both Assertion (A) and Reason (R) are true but Reason (R) is not a correct explanation of Assertion (A).</p> <p>c. Assertion (A) is true and Reason (R) is false.</p> <p>d. Assertion (A) is false and Reason (R) is true.</p>	
12.	<p>Assertion (A): In HTML, Tags written in lowercase letters or uppercase letters are treated as the same.</p> <p>Reason (R) : HTML is a case sensitive language.</p> <p>a. Both Assertion (A) and Reason (R) are true and Reason (R) is a correct explanation of Assertion (A).</p> <p>b. Both Assertion (A) and Reason (R) are true but Reason (R) is not a correct explanation of Assertion (A).</p> <p><b>c. Assertion (A) is true and Reason (R) is false.</b></p> <p>d. Assertion (A) is false and Reason (R) is true.</p>	1
<p style="text-align: center;"><b>SECTION II</b>  <b>CASE BASED QUESTIONS</b>  <b>(Each question carries 1 mark)</b></p>		
13.	<p>It refers to a citizen's right to access information that is held by the state.</p> <p><b>a. Freedom of Information</b></p> <p>b. Free Information</p> <p>c. Public Information</p> <p>d. Information</p>	1
14.	<p>Charlene is an artist. She displays her artwork on the Internet using her website to attract buyers. One day while browsing the Internet she discovers that another artist has displayed her painting portraying it as his own. Which rights of Charlene was infringed?</p> <p>a. Digital Privacy right</p> <p><b>b. Intellectual Property right</b></p> <p>c. Digital Property right</p> <p>d. Intellectual Privacy right</p>	1
15.	<p>Gagandeep has written the following code to display an image in the background of HTML document:</p> <p>&lt;BODY BgGround="school.jpg"&gt;</p> <p>but he is not getting the desired output. Help him in identifying correct code from the following.</p> <p>a. &lt;BODY BgGround="school.jpg"&gt;</p> <p><b>b. &lt;BODY BACKGROUND="school.jpg"&gt;</b></p>	1

	c. <BODY BGCOLOR="school.jpg"> d. <BODY BGIMAGE="school.jpg">	
<b>CASE STUDY</b>  Geetika has recently created her social accounts. She is very excited as she waited so long to go online. She has recently also got admission in a prestigious high school and does not know many students. When she logs into her social media a few days later, she finds that someone is posting negative, demeaning comments on her social media profile. She is also getting repeated mails from unknown people. Whenever she goes online, she is trolled by multiple unknown people. Help Geetika with security protocols for E-Commerce.  <b>Based on the given information, answer the questions NO.16-20.</b>		
16.	A security protocol for ensuring the security of financial transactions on the internet. a. HTTP <b>b. SET</b> c. SMTP d. None of the above	1
17.	Which of the following is the most appropriate action she should take? a. She should stop going online and delete her social media accounts. b. She should NOT share this with anyone as she might face more of such kind of behaviour. c. She should file a complaint at the nearest police station. <b>d. She should inform her parents and bring to the notice of school authorities.</b>	1
18.	After hearing her 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_____ a. Intellectual Property rights b. Internet Privacy c. Computer Ethics <b>d. Cyber Ethics</b>	1
19.	Geetika is advised by her best friend, Seerat to protect her personal information from intentional or unintentional attacks by others. This is also known as _____ a. Digital right b. Copyright <b>c. Data Privacy</b> d. Intellectual property	1
20.	The computer teacher of Geetika's class decides to take an online session on the topic	1

	<p>Netiquettes, which generally includes:</p> <ol style="list-style-type: none"> <li>safeguarding one's passwords and sensitive online information</li> <li>logging out of social media accounts after the session</li> <li>not bullying or trolling anyone by disrespecting them or passing inappropriate remarks</li> <li><b>All of the above.</b></li> </ol>	
<b>PART B</b>		
<p align="center"><b>SECTION I</b>  <b>VERY SHORT ANSWER</b>  <b>(Each question carries 2 marks)</b></p>		
21.	<p>Write the difference between &lt;td&gt; and&lt;th&gt;.</p> <p>&lt;td&gt; stands for table data whereas &lt;th&gt; stands for table header</p> <p>The content enclosed within &lt;td&gt;..&lt;/td&gt; appears normally whereas the content enclosed within &lt;th&gt;..&lt;/th&gt; appears in bold with center alignment.</p>	2
22.	<p>Explain Browser with an example.</p> <p>A program that helps us to navigate/view web pages. Eg. Google Chrome, Internet explorer</p>	2
23.	<p>Write suitable html statements to display the following text on a webpage:</p> <p>a. <b>INDIA</b></p> <p>&lt;b&gt;&lt;i&gt;INDIA&lt;/i&gt;&lt;/b&gt;</p> <p>b. <math>X^2</math></p> <p><math>X^{sup&gt;2&lt;/sup&gt;}</math></p>	2
24.	<p>Explain Software License. Write the types of Software License.</p> <p><b>SOFTWARE LICENSE</b></p> <p><b>A software license is a license agreement that gives an individual, company or organization the permission to use a software program. It provides the end users with the right to one or more copies of the software without violating copyrights.</b></p> <p><b>Types of Software License</b></p> <p>i. <b>Proprietary Software License</b></p> <p>ii. <b>Free and Open Source Software(FOSS) License</b></p> <p align="center">OR</p> <p>Expand:</p> <p>a. GPL - General Public License</p> <p>b. OSS- Open Source Software</p>	2
25.	<p>What do you mean by IPR? List types of IPR.</p>	2

	<p>Intellectual property rights are the legal rights that cover the privileges given to individuals who are the owners and inventors of a work, and have created something with their intellectual creativity.</p> <p><b>What are the types of IPR?</b></p> <p><b>Types of Intellectual Property Rights</b></p> <p>Intellectual Property Rights can be further classified into the following categories –</p> <ul style="list-style-type: none"> <li>• Copyright</li> <li>• Patents</li> <li>• Trademarks</li> <li>• Trade Secrets</li> </ul>	
<p style="text-align: center;"><b>SECTION II</b>  <b>SHORT ANSWER</b>  <b>(Each question carries 3 marks)</b></p>		
26.	<p>Write HTML code to design the content of the web page in the form of lists as shown below:</p> <div style="border: 1px solid black; padding: 10px; margin: 10px auto; width: fit-content;"> <p style="text-align: center;"><b>STREAM WISE CAREER OPTIONS</b></p> <ul style="list-style-type: none"> <li>▪ Science <ul style="list-style-type: none"> <li>a. Engineering</li> <li>b. Medical</li> <li>c. Research</li> </ul> </li> <li>▪ Commerce</li> <li>▪ Humanities</li> </ul> </div> <pre> &lt;html&gt; &lt;body&gt; STREAM WISE CAREER OPTIONS &lt;ul type="square"&gt; &lt;li&gt;Science &lt;ol type="a"&gt; &lt;li&gt;Engineering&lt;/li&gt; &lt;li&gt;Medical&lt;/li&gt; &lt;li&gt;Research&lt;/li&gt; &lt;/ol&gt; &lt;/li&gt; &lt;li&gt;Commerce&lt;/li&gt; &lt;li&gt;Humanities&lt;/li&gt; &lt;/ul&gt; &lt;/body&gt;&lt;/html&gt; </pre>	3
27.	<p>Explain &lt;ul&gt; tag and its attributes with an example.</p>	3

### Unordered List:

Unordered list is a list in which each item in the list is preceded by a symbol. In HTML, UnOrdered list is created with `<ul>..</ul>`. Each item in the list is enclosed within `<li>` and `</li>`.

<ul>..</ul> Displays the enclosed text in unordered list		
Attribute	Attribute value	Description
Type	Disc Circle Square	It specifies the type of the unordered list

Eg 1:

- Apple
- Mango
- Guava

28. Explain the concept of Submit and Reset button in HTML.
- `<input type="submit">` creates submit button in the form.
- It is a form element which when clicked sends the data to the server.
- `<input type="reset">` creates reset button.
- It is a form element which when clicked resets the form to the initial value in the web page. In other words, it reloads the form for fresh data entry.

OR

Write the difference between textbox and password form elements.

`<input type="text">` creates single line text field box that accepts input from the user.

`<input type="password">` creates password field box. The character typed in the password field box appears in the form of asterisk.

29. Explain E-Commerce and its types.
- Electronic Commerce or E-Commerce(EC)** is the buying and selling of goods and services on the internet.
- In e-commerce, the transaction takes place over the network.
  - There is no special software to install other than a web browser.
  - Many banks do not charge for this service and some banks offer lower costs for online transactions than real life banking transactions.

#### Types of E-commerce are

- **Business-to-Business(B2B)**
- **Business-to-Consumer(B2C)**
- **Consumer-to-Business(C2B)**
- **Consumer-to-Consumer(C2C)**
- **Business-to-Government(B2G)**



30. What do you mean by Netiquette. Write any two netiquettes.

**NETIQUETTES** is short for "Internet etiquette". Netiquette is a code of good behavior on the internet. That is respecting other users' views & displaying common etiquette when posting your views to online communications.

**What are the rules to follow for good netiquette?**

- i. Avoid posting offensive comments online.
- ii. Don't use offensive language.
- iii. Do not trust others when you are new.
- iv. Avoid replying to negative comments with more negative comments.
- v. Respect other's privacy by not sharing personal information, photos or videos that another person may not want publish online.
- vi. Never spam others by sending large amounts of unsolicited E-mail.
- vii. Don't troll people in web forums or website comments by repeatedly nagging or annoying them

OR

Explain Plagiarism. Write any two ways to prevent it.

**PLAGIARISM** is copying or stealing the publication of another author's language, thoughts, ideas as one's own original work.

**What is Plagiarising and how to prevent it ?**

Plagiarising means using or imitating the language and thoughts of some other person and projecting that representation as to your original work.

Three methods to prevent or avoid plagiarism are:

- i. One must specify the source, which informs the reader about the basis of one's ideas and the extent of one's research.
- ii. To avoid plagiarism, one should refer to several sources, understand the concept, and then pen down one's understanding of the topic.
- iii. Use quotation marks around all the quoted words to avoid plagiarism.

### SECTION III LONG ANSWER

(Each question carries 5 marks)

Write the HTML code to design the web page as shown below, considering the specifications as given below.

Students can write code for any 4 specifications out of the given 5 specifications.

31.

SKILL WORKSHOPS		
SNO	SKILL	DAYS
1	Communication Skills	Monday, Wednesday
2	Art & Craft	Tuesday, Friday
3	Personality Development	Wednesday, Saturday

Specification-1 : The HTML code structure should be proper. Heading 'HTML TABLE' should be the first level of heading and Background color of the page should be LightCyan.

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 contain 4 rows and 4 columns. The data in each cell should be as shown in the above table.



Specification-4 : Attribute rowspan should be used wherever required.

Specification-5 : Attribute colspan should be used wherever required.

```
<html>
<head><title> HTML TABLE</title></head>
<body bgcolor="Light Cyan">
<table border=1>
<tr>
<th colspan=3>
SKILL WORKSHOPS
</th>
</tr>
<tr>
<th>SNO</th>
<th>SKILL</th>
<th>DAYS</th>
</tr>
<tr>
<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>
```

OR

Customer Analytics firm needs to design a survey form as shown below:

The image shows a survey form with the following elements:

- Name:** A text input field.
- City:** A dropdown menu with three options: New Delhi, Chennai, and Hyderabad. The 'New Delhi' option is currently selected.
- Hobby:** Four checkboxes arranged in two rows:
  - Reading ☐ Writing ☐
  - Singing ☐ Dancing ☐

Write the suitable HTML code to design it.

	<p><b>HTML code to design survey form:</b></p> <pre> &lt;form&gt; Name: &lt;input type="text"&gt;&lt;br&gt; City: &lt;br&gt; &lt;select size=3&gt; &lt;option&gt;New Delhi&lt;/option&gt; &lt;option&gt;Chennai&lt;/option&gt; &lt;option&gt;Hydrabad&lt;/option&gt; &lt;/select&gt;&lt;br&gt; Hobby: &lt;br&gt; Reading&lt;input type="checkbox"&gt; Writing&lt;input type="checkbox"&gt;&lt;br&gt; Singing&lt;input type="checkbox"&gt; Dancing&lt;input type="checkbox"&gt; &lt;/form&gt; </pre>	
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**\*\*\*\*END OF THE QUESTION PAPER\*\*\*\***