BK BIRLA CENTRE FOR EDUCATION

SARALA BIRLA GROUP OF SCHOOLS
SENIOR SECONDARY CO-ED DAY CUM BOYS' RESIDENTIAL SCHOOL
PRE BOARD -01 EXAMINATION 2024-25

COMPUTER APPLICATION (165)
MARKING SCHEME

Class : X   Duration : 2 Hrs
Date   : 23-11-2024   Max. Marks : 50
Admission No.:   Roll No.:

Section-A

1. The 'www' uses the protocol _____.   1
    a) FTP   **b) HTTP**   c) Web   d) All of these

2. A website is a collection of _____.   1
    a) Graphic files b) HTML pages   c) Audio Video files   **d) All of these.**

3. Which protocol is used to download a file ?   1
    a) FTP b) TCP c) Web browser   d) ISP

4. What is the meaning of web surfing ?   1
    a) Video Conferencing b) Sending email **c) Exploring the web**   d) None of these

5. HTML is a markup language which is used to design: 1
    a) Web pages b) Documents c) Posters   d) Brochures

6. How many types of HTML tag is available ?   1
    a) One   **b) Two**   c) Three   d) Four

7. Formatting is a way to make the web pages _____.   1
    a) Attractive   b) Strong   c) Bold   d) None of these

8. Which of the following code is used to place copyright symbol on webpage ?   1
    a)   **b) ©**   c) ®   d) None of these

9. Which of the following is not the attribute of image tag ?   1
    a) width   b) Alt c) Src   **d) Direction**

10. The term CSS stands for :   1
    a) Cascading Static Sheets   **b) Cascading Style Sheets**   c) cascading Sheets Style
    d) Both (b) and (c)

11. _____ are the fundamental rules that govern us to make the right use of cyber-space.   1
    a) Ethics **b) Cyber-Ethics** c) Cyber-laws d) IPR

12. _____ means someone steals somebody else's ideas and passes them as one's own.   1
    a) Proprietary b) Free Software   **c) Plagiarism**   d) Fraud

Section - B

13. What are two the uses of Internet? Explain it.   2

Ans: Communication, Education, Entertainment, E-Commerce, Healthcare, Government Service

14. How is Facebook is different from Whatsapp ?   2

Ans: Facebook is geared more toward social networking and content sharing on a public or semi-public scale, while WhatsApp is designed for private, real-time communication with an emphasis on privacy and security.

15.   Write a HTML code to generate the given webpage.   2

My First Heading

My first paragraph.

Ans: <html>
<head>
<title>Page Title</title>
</head>
<body>
<h1>My First Heading</h1>
<p>My first paragraph.</p>
</body>
</html>

16.   What is alignment ? Explain four alignment names in HTML.   2

Ans: In HTML, alignment refers to the positioning of text or other elements (such as images or blocks) relative to the boundaries of the container (such as the page or a section).
Types: Left, Right, Center, Justify

17.   Define '**rowspan**' and '**colspan**' attributes of table. Give example.   2

Both rowspan and colspan are attributes used in HTML tables to merge or span cells across multiple rows or columns, respectively.
```
<html>
<head>  </head>
<body>
<table >
 <tr>
  <th colspan="2">Name</th>
  <th>Age</th>
 </tr>
 <tr>
  <td>Jill</td>
  <td>Smith</td>
  <td>43</td>
 </tr>
 <tr>
  <td>Eve</td>
  <td>Jackson</td>
  <td>57</td>
 </tr>
</table>
</body>
</html>
```

18.   What is the difference between a static and dynamic web page ?   2

Ans: A static web page is a web page that displays the same content to every visitor. The content is hard-coded into the HTML file and does not change unless a developer manually updates the file.
A dynamic web page generates content dynamically, meaning the content can change based on user interaction, preferences, or data from a database. These pages often use server-side scripting to deliver personalized content to each visitor.

19.   Ankita is concerned about the security of her personal information while making online transactions. Provide Ankita with three cyber ethics practices show should follow to ensure the security of her data during e-commerce activities.   2

Ans: 1. Use Strong and Unique Passwords
2. Enable Two-Factor Authentication (2FA)
3. Be Cautious of Phishing Scams
4. Keep Software Updated
5. Use Secure Connections: Only conduct transactions over secure networks (avoid public Wi-Fi)

Section - C

20.   Write a HTML code to generate a webpage as given below: [Hint: Use <br> and <p> tag]   3

This is a
paragraph with a line break.

Ans: ```
<html>
<body>
<p>This is a <br> paragraph with a line break.</p>
</body>
</html>
<html>
<body>
```

21.    Write a HTML code to display the webpage as given below. (Note : use superscript and subscript. )    3

**Superscript and Subscript**

This is an example of **superscript** : $a^2 + b^2 = c^2$

This is an example of **subscript**: $H_2O$

Ans:    ```html
        <html>
        <head>
          <title>Superscript and Subscript </title>
        </head>
        <body>
          <h2>Superscript and Subscript</h2>
          <hr>
          <p>This is an example of <strong>superscript :</strong> a<sup>2</sup>+
        b<sup>2</sup>=c<sup>2</sup></p>
          <p>This is an example of <strong>subscript</strong>: H<sub>2</sub>O</p>
        </body>
        </html>
        ```

22.   Explain the elements of a table tag in HTML with example.   3

Ans: <caption>, <TR>, <TH>, <TD>
        ```html
        <html>
        <head>
          <title>Simple Table Example</title>
        </head>
        <body>
          <table border="1">
              <caption>Student Marks Table</caption>
            <tr>
              <th>Roll Number</th>
              <th>Name</th>
                  </tr>
            <tr>
              <td>101</td>
              <td>Alice</td>
             </tr>
            <tr>
              <td>102</td>
              <td>Bob</td>
             </tr>
            <tr>
              <td>103</td>
              <td>Charlie</td>
             </tr>
          </table>
        </body>
        </html>
        ```

23.   Write HTML code an CSS style to do the following: 3
        a) Display text of entire web page in Verdana Font using inline style sheet.
        b) Display the main heading of the webpage in navy colour and a green, double border around it using
        internal style sheet.
        c) Display the sub heading of the webpage with only top and bottom border of 5 pixels width, blue
        colour and a lime coloured background.

```
<head>
  <style>
    /* Internal CSS */
    h1 {
      color: navy; /* Main heading color */
      border: double green; /* Green double border */
      padding: 10px; /* Padding around the heading */
    }

    h2 {
      border-top: 5px solid blue; /* Top border */
      border-bottom: 5px solid blue; /* Bottom border */
      background-color: lime; /* Lime background */
      padding: 10px; /* Padding around the subheading */
    }

</head>
<body style="font-family: Verdana;"> <!-- Inline style for entire page -->
  <h1>Main Heading of the Webpage</h1>
  <h2>Sub Heading of the Webpage</h2>
  <p>This is a paragraph demonstrating the font style of the entire webpage. All text will be displayed
in Verdana font.</p>
</body>
</html>
```

Section - D

24. Define TCP / IP and its applications. 4

Ans: TCP/IP is the fundamental communication protocol suite for the internet and most networks.

Transmission Control Protocol (TCP):
Ensures reliable data transfer between devices.
Breaks down large messages into smaller packets, transmits them, and ensures they are
reassembled in the correct order.
Internet Protocol (IP):
Handles the addressing and routing of packets between devices.
Each device on the internet is assigned a unique IP address, which is used to locate and
communicate with other devices.
Applications of TCP/IP:
Web Browsing (HTTP/HTTPS), Email (SMTP, IMAP, POP3),File Transfer (FTP,
SFTP),Remote Access (SSH, Telnet)

25. Write an HTML code to represent "**India is my country**" in the following style: 4
Heading level should be 2(h2).
The text should be aligned in center.
The back-ground color should be Blue.

Ans: <html>
          <head>
                <title>Centered Text Example</title>
          </head>
        <body bgcolor="blue">
          <center>
              <h2>India is my country</h2>
          </center>
        </body>
        </html>

26.   Write an HTML code to generate a webpage showing usage of both ordered and unordered   4
      list.

An Unordered HTML List

- Coffee
- Tea
- Milk

An Ordered HTML List

1. Coffee
2. Tea
3. Milk

Ans.   <html>
        <body>
        <h2>An Unordered HTML List</h2>

          Coffee
          Tea
          Milk

        <h2>An Ordered HTML List</h2>

          Coffee
          Tea
          Milk

        </body>
        </html>