Sample Question Paper - 1
Computer Applications (Code 165)
Class: X Session: 2023-24

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 Very 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.

Section A

1. Which of the following is not considered as netiquette?   [1]

   a) Avoid posting offensive comments

   b) Avoid trolling people by your comments

   c) Sending unsolicited email

   d) Respect other people's privacy

2. A two-way video conversation among multiple participants is called: [1]

   a) Video chatting

   b) Video conferencing

   c) Video watching

   d) Video talking

3. Secure data transmission means: [1]

   a) Transmission of data happens easily.

   b) No one can access it.

   c) Data is accessible by any unauthorised person during transmission.

   d) Data cannot be accessed by any unauthorized person during transmission.

4. FTP is referred to as: [1]

   a) File Transport Protocol

   b) File Transfer Partition

5. Which of these services will not be provided by a typical Internet Service Provider (ISP)? **[1]**

   a) Modem
   b) Technical help

   c) A connection to the Internet
   d) An E-mail address

6. Why should you specify a background color, if you are using an image for the actual background of your page? **[1]**

   a) None of these
   b) So the text shows up better

   c) The background color will be shown until the image loads
   d) In case the imaged does not fit right

7. Which attribute of <BODY> tag specifies the colour of visited links in a document? **[1]**

   a) link
   b) vlink

   c) alink
   d) None of these

8. External Style sheet consists of the following: **[1]**

   a) All of these
   b) HTML tags

   c) <Style>
   d) CSS definitions

9. Which command should be use to link a page with HTML page? **[1]**

   a) <A ATTACH = "page.htm"></A>
   b) <A LINK = "page.htm" > </A>

   c) <A CONNECT = "page.htm"></A>
   d) <A HREF = "page.htm">page</A>

10. src attribute used with <IMG> tag stands for **[1]**

   a) screen resolution count
   b) screen

   c) source
   d) structure

list.
Reason (R): Start attributes gives a brief description of the list items. It is used to list multiple terms and their description.

    a) Both A and R are true and R is the correct explanation of A.

    b) Both A and R are true but R is not the correct explanation of A.

    c) A is true but R is false.

    d) A is false but R is true.

12.   **Assertion (A):** The Hypertext Markup Language (HTML) is a computer language used **[1]** for creating web pages, which are displayed on World Wide Web.
Reason (R): HTML is also known as a markup language or tag-based Language. It uses tags which instruct a web browser to display text and other content included in a web page.

    a) Both A and R are true and R is the correct explanation of A.

    b) Both A and R are true but R is not the correct explanation of A.

    c) A is true but R is false.

    d) A is false but R is true.

Section B

13.   What is a search engine?   **[2]**

14.   Write at least three advantages of networking.   **[2]**

OR

How does FTP work?

15.   What are the default visited and active link colours?   **[2]**

16.   What do you understand by open-source software licence?   **[2]**

OR

What is Spam?

17.   How are outlines different from borders?   **[2]**

18.   Write one basic difference between bgcolor and background attributes.   **[2]**

OR

What is a BASEFONT element? What is its use?

19.   Which option provides a way for user to securely enter a password in HTML form?   **[2]**

Section C

21. What are security threats associated with e-shopping? [3]

22. Enlist all the font properties in CSS. [3]

OR

Discuss different border properties.

23. What do you understand by Internal and External threats to a computer system? [3]

Section D

24. Create employee registration webpage using HTML form objects Code. [4]

OR

Write HTML code to generate a Web page in the format shown
  i. The title should be 'My first Web page'.
 ii. The body of the text should be 'Creating Web page using HTML'
iii. A horizontal line after the body text.
iv. A message line 'The above line is a horizontal line'.
 v. At last print your name and address, make your name italic and bold. Make sure that a line break after every line.

Section E

25. **Read the text carefully and answer the questions:** [4]

The Hypertext Markup Language (HTML) is a computer language used for creating web pages, which are displayed on World Wide Web. It is also known as a markup language or tag-based language. It uses tags which instruct a web browser to display text and other content included in a web page.

The term Hypertext was launched by Ted Nelson in 1965. Hypertext is the highlighted text included in the web pages that links web pages to one another. It is not similar to the plain text that you type in the word processor files. The plain text that is contained in a word processor file is linear as it follows a straight direction, i.e., one word after another and one line after another, an so on. Hypertext is non-linear as it enables a viewer to move from one location to another on the same page.

   (i)   What is the meaning of Markup in HTML?

   (ii)   Who introduces HTTP?

   (iii) What is the full form of SGML?

   (iv)   Write any two features of HTML.

all subjects. In order to search content related to all topics he is making use of Internet.

(i) Name any two web browsers Ravi can use to work on Internet.

(ii) In order to search a topic Ravi should use _____ web application.

(iii) Among DSL and Broadband which one is the faster internet connection that Ravi can use?

(iv) In order to use Internet he has to use a web browser. Web browser is a program stored on a _____ computer.

Solutions

1.

    (c) Sending unsolicited email
    Explanation: Sending unsolicited email

2.

    (b) Video conferencing
    Explanation: Video conferencing

3.

    (d) Data cannot be accessed by any unauthorized person during transmission.
    Explanation: Data cannot be accessed by any unauthorized person during transmission.

4.

    (c) File Transfer Protocol
    Explanation: File Transfer Protocol

5.

    (d) An E-mail address
    Explanation: ISP refers to a company that provides Internet services, modem, connection and technical help. It does not provide an E-mail address.

6.

    (c) The background color will be shown until the image loads
    Explanation: We have to use background color because if in any case image is not displayed then atleast background color will be shown on that place.

7.

    (b) vlink
    Explanation: vlink

8.

    (d) CSS definitions
    Explanation: CSS definitions

9.

    (d)

    <A HREF = "page.htm">page</A>

    Explanation:

    <A HREF = "page.htm">page</A>

Explanation: src (source) attribute takes URL of an image file.

11.

    (b) Both A and R are true but R is not the correct explanation of A.

    Explanation: Both A and R are true but R is not the correct explanation of A.

12.

    (b) Both A and R are true but R is not the correct explanation of A.

    Explanation: Both A and R are true but R is not the correct explanation of A.

<div align="center">Section B</div>

13. A search engine is a software on the Internet that will conduct a search of its own database of websites based on the terms we have entered. An example of a popular search engine is **www.google.com.**

14. Advantages of networking are:

    i. It helps in better utilization of resources.

    ii. It speeds up the communication.

    iii. Data can be shared and used more effectively.

<div align="center">OR</div>

    FTP works on the principle of a client/server model. A FTP client program enables the user to interact with a FTP server program in order to access information and services on the server computer. To access FTP server program, users must be able to connect to the Internet or interact with FTP client program.

15. The default visited link color is purple and the default active link color is red.

16. An open-source software Licence for computer software and other products allows the source code or design to be used, modified and/or shared under defined terms and conditions.

<div align="center">OR</div>

    Spam are unwanted e-mail which are business related and sent to the e-mail account in bulk.

17. The **outline** property specifies a line to be drawn around elements. The line is drawn outside the borders to make the element 'stand out' and to enhance its impact while, the **border** properties are used to specify the border style, border colour, border width, etc.

18. The bgcolor attribute is used for colouring the background of the document while background attribute specifies a background image for a document.

<div align="center">OR</div>

    The BASEFONT element sets the default font size and type. The basefont size may be increased or decreased using the font tags.

19. <INPUT> element of type password provides a way for the user to securely enter a password in HTML form.

<div align="center">Section C</div>

identification that is used to verify the identity of an individual website or user. It ensures the authenticity of a person and information.

21. Security threats associated with e-shopping are as follows:
    i. Personal and sensitive data like user-id and passwords are easily accessible to fraudsters.
    ii. Viruses may corrupt the system.
    iii. Unwanted spams suggesting shopping items and phishing emails try to trap the shoppers.

22. Font properties of CSS are used to control the font settings on a web page. These are as follows:
    i. Font-size: Used to specify the size of font. It can be specified in various units viz. px, pt, em, %. Eg { font-size-3em;}
    ii. Font-weight: Used to specify the boldness or thickness of the font It can have value either normal or bold or a number between the range 100 - 900 Eg. { font-weight: bold;}
    iii. Font-variant: Used to specify whether a font should appear in small caps or normal. Eg. {font- variant: small caps;}
    iv. Font-style: specifies the style of fort as italic or normal. It has values normal, italic, oblique. E.g. {font-style: italic;}
    v. Font-family: Let's the user specify the type of font to be used to display text on web page. The values can be Arial, Times New Roman etc. e.g {font-family:Arial;}
    vi. Font- It compiles all font properties into one. The order of compiling is [font-style] [font-variant][font-weight][font-size][font-family]

    OR

    The border properties are used to specify the border-style, border-color, border-width, etc. Different border-style properties are as follows:
    i. **Border-color:** This property specifies the colour of a border.
    ii. **Border-style:** This property specifies whether a border should be solid, dashed line, double line or one of the other possible values.
    iii. **Border-width:** This property specifies the width of a border.

23. **Internal Threats:** Data and programs within a computer system are vulnerable to deliberate and accidental destruction both from within an organisation and from outside it. When it is floppy disk, which after months of the project loading without complaint. Comes up with a message, disk unreliable, then it is termed as internal Threat to the system.
    External Threats: Criminals hacking into major banks computer system can steal millions or rupees i.e., by transferring money to phony accounts or making fund credit and purchased. This phenomenon is called as External Threat to the system.

Section D

```html
<font size="+3" color="red">Employee Registration Form</font>
<form method="post" action="prac.html">
<table>
<tr>
<td></td>
<td><input type="radio" name="initial" checked />Mr. <input type="radio"
 name="initial" />Mrs. <input type="radio" name="initial" />Ms.</td>
</tr>
<tr>
<td>First Name</td>
<td><input type="text" name="In" placeholder="First Name" /></td>
</tr>
<tr>
<td>Last Name</td>
<td><input type="text" name="In" placeholder="Last Name" /></td>
</tr>
<tr>
<td>Mail Address1</td>
<td><input type="text" name="add1" /></td>
</tr>
<tr>
<td>Mail Address2</td>
<td><input type="text" name="add2" /></td>
</tr>
<tr>
<td>City</td>
<td><input type="text" name="ct" /></td>
</tr>
<tr>
<td>State</td>
<td>
<select name="state">
<option value="TamilNadu" selected> TamilNadu </option>
<option value="Maharashtra">Maharashtra </option>
<option value="Karnataka">Karnataka </option>
<option value="Delhi">Delhi </option>
</select>
</td>
</tr>
```

```html
<td><input type="text" name="zp" /></td>
</tr>
<tr>
<td>Upload Photo</td>
<td><input type="file" name="photo" /></td>
</tr>
<tr>
<td>E-Mail</td>
<td><input type="text" name="email" size="30" /></td>
</tr>
<tr>
<td>Mobile</td>
<td><input type="text" name="mob" placeholder="+91" /></td>
</tr>
<tr>
<td>Languages known</td>
<td><input type="checkbox" name="lk" value="Tamil" checked />Tamil</td>
</tr>
<tr>
<td></td>
<td><input type="checkbox" name="lk" value="Hindi" checked />Hindi</td>
</tr>
<tr>
<td></td>
<td><input type="checkbox" name="lk" value="English" checked />English</td>
</tr>
<tr>
<td></td>
<td><input type="checkbox" name="lk" value="Marathi" />Marathi</td>
</tr>
<tr>
<td>Additional Information</td>
<td><textarea name="add" rows="3" cols="20" placeholder="Optional" wrap>
</textarea></td>
</tr>
<tr>
<td></td>
<td><input type="submit" value="submit" /> <input type="reset"
 value="reset" /></td>
```

```
</form>
</body>
</html>
```

Output:

Employee Registration Form

OR

```
<HIML>
<HEAD>
<TITLE>
My first Web page
</TITLE>
</HEAD>
<BODY>
Creating Web page using HTML<HR>
The above line is a horizontal line.
<P>
<I><B>Ankit Mane</B> </I>
<BR>
222, Sadh Nagar <BR>
Delhi <BR>
</P>
</BODY>
</HTML>
```

Section E

25. **Read the text carefully and answer the questions:**

or tag-based language. It uses tags which instruct a web browser to display text and other content included in a web page.

The term Hypertext was launched by Ted Nelson in 1965. Hypertext is the highlighted text included in the web pages that links web pages to one another. It is not similar to the plain text that you type in the word processor files. The plain text that is contained in a word processor file is linear as it follows a straight direction, i.e., one word after another and one line after another, an so on. Hypertext is non-linear as it enables a viewer to move from one location to another on the same page.

(i) Markup means to instruct the web browser program. HTML tags are actually HTML commands that mark up or instruct a web browser how to display the page in the web browser view.

(ii) Sir Tim Berners-Lee introduced a very simple protocol, to view and transfer the pages that contain the hypertext (links to other elements/ web pages) from one place to another, known as HTTP (Hypertext Transfer Protocol).

(iii) SGML (Standard Generalised Markup Language)

(iv) The two features are as follows:

   i. HTML is easy to use and understand. Its tags can also be easily learnt and used.

   ii. HTML web pages are supported by almost all the web browsers, available. Web pages created in HTML can be viewed on any web browser.

26. **Read the text carefully and answer the questions:**

Ravi is a student of class 10 in St. Joseph's School. He has been assigned projects for all subjects. In order to search content related to all topics he is making use of Internet.

(i) Google Chrome, Mozilla Firefox.

(ii) 1. Search Engine

(iii) **Broadband**

Broadband is a wide bandwidth transmission that can transmit multiple signals and data over a very high-speed internet connection.

(iv) 1. client