Sample Question Paper (Theory)
Computer Applications (Code 165)
Class: X Session: 2024-25

Maximum Marks: 50   **Time Allowed: 2 hours**

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.

	Section – A (All questions are compulsory)	
1.	Shreya wants to securely copy files between two Servers or two connected machines over the Internet. Which Protocol should she prefer for getting her task completed? A. FTP B. HTTP C. SCP D. Telnet	1
2.	Which of the following is not an e-governance project in India? A. www.drdo.nic.in B. www.passport.gov.in C. www.incometaxindia.gov.in D. www.flipkart.com	1
3.	Which tag besides <B> can be used to make the text bold in HTML? A. <strong> B. <dark> C. <fat> D. <I>	1
4.	What is the full form of SMTP? A. Simple Message Transfer Protocol B. Secure Message Transmission Protocol C. Simple Mail Transfer Protocol D. Secure Mail Transmit Protocol	1

5.	Which protocol is used for video conferencing among multiple participants?
	
	    A. Telnet
	    B. Http
	    C. VoIP
	    D. SFTP
		1

6.	Select the correct option to fill in the blank:
	
	A website may consist of _____
	
	    A. Static Webpages
	    B. Dynamic Webpages
	    C. Both a and b.
	    D. Domain.
		1

7.	Aman, a student of Class X, wants to create numbered list in HTML, which of the following tag should he use?
	
	    A. <UL>
	    B. <OL>
	    C. <DL>
	    D. <list>
		1

8.	Making a copy of your webpage on the computer is known as …………..?
	
	    A. Uploading
	    B. Browsing
	    C. Downloading
	    D. None of the above.
		1

9.	Himani, a class X student, wants to remotely access a computer system far from her house. Which protocol, out of the following, should she prefer to access or log in it remotely?
	
	    A. FTP
	    B. SFTP
	    C. TCP/IP
	    D. TELNET
		1

10.	Anshu, a class X student, is writing CSS code for making all `<span>` elements bold. Choose the correct code for getting the desired output from the following options:
	
	    A. `span{text-size:bold}`
	    B. `span {font-weight:bold}`
	    C. `<span style="font-size:bold">`
	    D. `<span style="text-size:bold">`
		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.

A. Both Assertion (A) and Reason (R) are true and Reason (R) is a correct explanation of Assertion (A).

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

C. Assertion (A) is true and Reason (R) is false.

D. Assertion (A) is false and Reason (R) is true.

11.	**Assertion (A) :** A set of rules, used over the networks, is called a Protocol. **Reason (R)** **:** HTML is an example of a Protocol.	1
12.	**Assertion (A)** :Chat and e-mail are live/real time conversation between people/machines. **Reason** **(R)** : We have to be online in both	1

<div align="center">

Section – B

</div>

13.	Mishika, a class X student, wants to use a software but does not want to pay for it. Which type of software can she use? Write one example of this type of software.	2
14.	A) Write any two differences between e-Banking and e-Commerce. **OR** B) What is e-learning? Name any one e-learning platform.	2

15.	State whether the following statements are True or False:
	    I) HTML file extension is .tml.
	    II) Rowspan attribute is used to make a cell span multiple rows.
	    III) Unordered list type creates a bulleted list.
	    IV) HREF Stands for hyper reference.
		2

16.	A) Your best friend emails you and tells you that he/she has created a webpage on an internet site having URL as: www.children.com/india/~abc.html
	 Now you want to create a link to this web page from your web page. Write the HTML code to do this.
	 OR B)
	   I) Write HTML code to display Horizontal line of red colour.
	   II) Write HTML Code to create a paragraph whose text colour is blue.
		2

17.	What is the purpose of HTML forms? Write HTML Code to create a Textbox in an HTML form.	2
18.	A) An incomplete CSS code within <head> . . . </head> is given below. Complete this code by filling in the blanks as per the specifications that follow: `<head>`	2

```
<style>
body {_____ : blue;  }        <!--line 1 -->
p {
 _____: green;                <!--line 2 -->
 _____: Dotum;                <!--line 3 -->
}
                                 <!--line 4 -->
_____
{
Color : black;
}
</style>
</head>
```

Line 1: Page background colour should be *Blue*.
Line 2: Colour of the Paragraph text should be *green*.
Line 3: Font family of the Paragraph text should be *Dotum*.
Line 4: The biggest heading should be *black* in colour.

OR

B) Hemant, a class X Student, is writing HTML code to create ordered and unordered lists for a webpage as follows:

```
<html>
<body bgcolor="yellow">
<h1>My First Heading  <_____>    <!-- line 1 -->
<p>
<font color="red" size="5"
     _____="Times New Roman">   <!-- line 2 -->
SOME STATES IN INDIA
</p>
<ul>
<li>DELHI: <_____>              <!-- line 3 -->
<li>MUMBAI    </li>
<_____>                         <!-- line 4 -->
```

Based on the above code fill in the blanks given in line 1, line2, line 3, and line 4 so that Hemant's webpage displays output correctly?

19.	Write any two differences between SMS and MMS.	2

Section – C

20.	The following HTML statements are not written properly. Re-write the correct statements with underlined corrections. The desired purpose of each statement is mentioned under it.
	
	     I. `<BODY color="red">`
	           `<!--Page background color should be red-->`
	    II. `<FONT  type="arial">`
	           `<!--Type of Font should be Arial-->`
	   III. `<img source="img_girl.jpg" size="500" height="600">`
	           `<!—Image source should be img_girl.jpg, width and height both should be 500-->`
		3

21.	Consider the URL: https://www.cbse.gov.in and answer the following questions:
	    I. Which component identifies the protocol?
	   II. What is the significance of "s" in https?
	  III. Expand the terms URL and WWW?
		3

22.	A) Write any two ways to add an audio file in a web page using HTML? Explain with sample code. OR B) Write any two ways to add a video file in a web page using HTML? Explain with sample code.	3

23.	Write suitable HTML statements to display the following text on a webpage:
	   I) NH_3
	   II) X^3
	   III) $(A+B)^3$
		3

Section – D		
24.	A) Write the HTML code to design the web page as shown below: -	4

FEEDBACK FORM

USERNAME : [ENTER USER NAME]

GENDER : ○ MALE ○ FEMALE
SELECT OUR BEST FOOD ITEMS :
☐ CHOLE BHATURE
☐ BURGER
☐ RAWA DOSA
☐ PANEER TIKKA

HOW'S OUR STAFF BEHAVIOUR: [EXCEPTIONALLY GOOD ˅]
EXCEPTIONALLY GOOD
VERY GOOD & POLITE
GOOD
COULD BE BETTER

OR

B) Write the HTML code to design the web page as shown below (Table border should be 2, height=100 and width=300 with cellpadding =20): -

EMPLOYEE TABLE

EMPLOYEE ID	EMPLOYEE NAME	DEPARTMENT
1	ANKIT	SALES
2	HEMA	HR
3	MANISH	FINANCE

Section – E	
25.	Mr. Anek comes from a village, which recently started seeing the digital revolution, and now the people of his village have access to the internet. They can shop online, make payments online, sell online and so on. Anek is also excited with these new changes. He ordered some items online and entered his bank card details on the webpage to make the payment. But still after passing of the promised due date, he has not received his ordered items. There is no way to contact the company as phones are unreachable and emails are not being responded. He also noticed after some days that someone is sending emails on his behalf, using his personal data.	4

	Based on the above information answer the following question: - I. Mr. Anek is a victim of _____. II. Mr. Anek finds that his personal details are now leaked. This means his _____ is compromised. III. While filling out details online, Mr. Anek should have checked _____ in the URL. IV. This type of incident will be recognized as a case of _____ (Specify the type of crime)	
26.	Based on the following information, answer the questions which follows: Shresth was a bright student who excelled in academics and extracurricular activities. He intent to take some quotes and literature from internet to write an Article for Newspaper. I. Identify the type of ethical issue he will face, in case he copies the work as discussed in the above case study. II. Does the above incident described above can be considered as example of IPR (Intellectual Property Rights) Violation? III. How can he avoid this ethical issue? IV. Suggest two netiquettes that Shresth's classmates must be aware of.	4

SQP-Computer Applications (Code 165)

Class: X Session: 2024-25

Marking Scheme (Theory)

Maximum Marks: 50   **Time Allowed: 2 hours**

QNo	Answer	Distribution of Marks	Total Marks
SECTION A		
1.	C. SCP (Secure Copy Protocol).	1 mark for the correct answer	1
2.	D. www.flipkart.com.	1 mark for the correct answer	1
3.	A. <strong>	1 mark for the correct answer	1
4.	C. Simple Mail Transfer Protocol.	1 mark for the correct answer	1
5.	C. VoIP.	1 mark for the correct answer	1
6.	C. Both a and b.	1 mark for the correct answer	1
7.	B. <OL>	1 mark for the correct answer	1
8.	C. Downloading	1 mark for the correct answer	1
9.	D. Telnet.	1 mark for the correct answer	1
10.	B. span {font-weight: bold}	1 mark for the correct answer	1
11.	C. Assertion (A) is True and Reason (R) is False.	1 mark for the correct answer	1
12.	D. Assertion (A) is false and Reason (R) is true.	1 mark for the correct answer	1
SECTION B		
13.	Freeware or Free and Open-Source Software. E.g. Open Office. (Any one example)	1 mark for correct type. 1 mark for any correct example.	2
14.	A) Difference between E-banking and E-commerce 	e-Banking	e-Commerce
---	---
Used for banking services only.	Used for commercial services.
It is the name given to the process where a customer is allowed to	It is the name given to trading activities that are conducted using Internet		1 mark for each correct difference. Note: Any other valid difference will also be considered.	2

	use internet to access his bank account		
	OR	OR	
	B) E-LEARNING: Learning that takes place in an electronically simulated environment like web-based learning or trainings. Platforms example: DIKSHA Portal	1 mark for Correct definition of e-learning 1 mark for any correct example.	
15.	I) False II) True III) True IV) True	½ mark for each correct response.	2
16.	<A href="http://www.children.com/india/~abc.html"> Click Here </A> **OR** I) <hr color=Red> II) Hello world	1 mark for correct syntax of <A> </A> tags. 1 Mark for correctly using href attribute. **OR** 1 mark for each correct answer.	2
17.	HTML forms are means to collect information/ data from the site visitor . <input type="text" name="USERNAME" >	1 mark for mentioning correct purpose. 1 Mark for correct code	2

18.	A)
	     Line 1: bgcolor
	     Line 2: color
	     Line 3: Font-family
	     Line 4: H1
	 OR
	 B)
	     Line 1: </h1>
	     Line 2: type
	     Line 3:
	     Line 4:
		½ mark each for filling up each blank with correct code.
		
		 OR
		 ½ mark each for filling up each blank with correct code.
			2

19.		1 mark for each correct difference.	2

SMS	MMS
Short Message Service	Multimedia message Service.
One can send only plain text.	It allows one to send Images, Videos, Audio, GIF's, PDF's and Text.

SECTION C

20.	The correct code is I) `<BODY bgcolor = "red" >` II) `<FONT face=arial>` III) `<img src="img_girl.jpg"  width="500" height="600">`	1 mark for each correction.	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)
	   I. Using < EMBED > tag
	             <EMBED SRC = "audio.mp3" >
	   II. Using <Audio> tag
	             < AUDIO controls>
	             <source src="horse.mp3" >
	             Horse.mp3
	             </AUDIO>
	
	OR
	
	B)
	   I. Using <EMBED> tag
	             <EMBED SRC = "WORDS.MP4" >
	   II. Using <Video> tag
	             < VIDEO controls>
	             <source src="horse.mp4" >
	             Horse.mp4
	             <//VIDEO>
		1 mark for each correct answer.
		½ mark each for correct code
		
		OR
		1 mark for each correct answer.
		½ mark each for correct code
			3

23.	I) NH₃ II) X³ III) (A+B)³	1 mark for each correct code.	3
- **SECTION D**		

| 24. | HTML code to design form:
`<html>`
`<head>`
`<title> FEEDBACK FORM`
`</title>`
`</head>`
`<body>`
`<form>`
`<H1 >FEEDBACK FORM</H1> <BR>`
`USERNAME: <input type="TEXT" NAME="ENAME1"`
`SIZE="30" VALUE="ENTER USER NAME "> <BR>`
`<BR>`
`GENDER: <input type="Radio" NAME="GENDER">`
`MALE`

`<input type="Radio" NAME="GENDER"`
`VALUE="FEMALE"> FEMALE`
`<BR>`
`SELECT OUR BEST FOOD ITEMS :<BR>`
`<INPUT TYPE="CHECKBOX" NAME="FOOD"`
`VALUE="CHOLE BHATURE" > CHOLE BHATURE<BR>`
`<INPUT TYPE="CHECKBOX" NAME="FOOD"` | ½ mark for correct usage of html, title body opening and closing tags

1 mark for correct usage of each tag <form>, <input type=text>

½ mark for correct code of radio buttons of Gender Selection

1 mark for correct code of Check boxes for selection of food items | 4 |

```
VALUE="BURGER" >BURGER <BR>
<INPUT TYPE="CHECKBOX" NAME="FOOD"
VALUE="RAWA DOSA">RAWA DOSA <BR>
<INPUT TYPE="CHECKBOX" NAME="FOOD"
VALUE="PANEER TIKKA">PANEER TIKKA<BR>
<BR>
HOW'S OUR STAFF BEHAVIOUR:<SELECT
NAME="LIST NAME">
<OPTION>EXCEPTIONALLY GOOD
<OPTION>VERY GOOD & POLITE
<OPTION>GOOD
<OPTION>COULD BE BETTER
</SELECT>
<BR>
<BR>
```

OR

```
<html>
<head>
<title> Working with table
</title>
</head>
<body>
<TABLE BORDER="2" HEIGHT="100" WIDTH="300"
CELLPADDING="20" >
<TR><TH COLSPAN="3" ALIGN="CENTER">EMPLOYEE
TABLE</TH> </TR>
     <tr>
     <td>EMPLOYEE ID </td>
     <td>EMPLOYEE NAME</td>
     <td>DEPARTMENT</td>
     </tr>
     <tr>
     <td>1</td>
     <td>ANKIT</td>
     <td>SALES</td>
     </tr>
     <tr>
     <td>2</td>
     <td>HEMA</td>
     <td>HR</td>
     </tr>
     <tr>
     <td>3</td>
     <td>MANISH</td>
     <td>FINANCE</td>
     </td>
</body>
</html>
```

1 mark for correct code of creating List with all options for selection of Staff Behaviour

OR

1 mark for correct usage of html, title body opening and closing tags

1 Mark for correct usage of <table> tag

1 Mark for correct usage of first <tr> tag along with <th> tag with colspan attribute each.

1 Mark each for correct usage of <tr>, <th> and <td> to display each row.

		SECTION E		
25.	I.	Cybercrime / Online Fraud.	1 Mark for each correct response.	4
	II.	Privacy.		
	III.	https.		
	IV.	Identity Theft.		
26.	I.	Plagiarism.	1 mark for each correct part. (for part IV: ½ mark for each correct netiquette)	4
	II.	No, it cannot be considered as an example of IPR Violation.		
	III.	He can avoid it by acknowledging the sources and giving credits to the sources.		

	IV.	Any two netiquettes:
		   i. One should respect others online.
		   ii. One should not bully anyone and avoid heartful or hateful comments.		