Sample Question Paper, 2021-22
(Issued by CBSE Board on 14th January 2022)
COMPUTER APPLICATIONS (Term- II)

SOLVED

Time allowed : 2 Hours   **Maximum Marks : 25**

General Instructions :

1. *The Question Paper contains three sections A, B and C. Each section is compulsory.*
2. *Section A has 4 questions of short answer type. Each question is of 2 marks. Internal choice is provided in 1 question.*
3. *Section B has 3 questions of Long Answer Type-I (LA-I). Each question is of 3 marks. Internal choice is provided in 1 question.*
4. *Section C has 2 questions of Long Answer Type-II (LA-II). Each question is of 4 marks.*

Section – A   [8 Marks each]

This section has 4 questions of short answer type. Each question is of 2 marks. Internal choice is provided in 1 question

1. Write suitable HTML Code to Embed audio and video in a webpage.   **[2]**

2. What do you understand by the term URL? How is it different from an email address?

   OR

   What do you understand by a newsgroup? How is it different from a blog?   **[2]**

3. What is a Hypertext link? Give the name and the syntax for the HTML tag which is used for creating a Hypertext Link.   **[2]**

4. Rohit, a student of Class X, wants to represent a table in webpage but he is unaware about the table tags. Explain him the role of <tr> and <td> tag. Write HTML code of a table and show the use of <tr> and <td> tag.   **[2]**

Section – B   [9 Marks each]

This section has 3 questions of Long Answer Type-I (LA-I). Each question is of 3 marks. Internal choice is provided in 1 question.

5. Define Internet and write its two uses in our daily life. How is it different from the World Wide Web (www).   **[3]**

6. What is e-learning? Explain any two merits of e-learning   **[3]**

7. "A web browser is different from a web server". Explain any two differences in web browser and web server with suitable example of each.

   OR

   Explain any two differences between 3G and 4G mobile technologies.   **[3]**

Section – C   [8 Marks each]

This section has 2 questions of Long Answer Type-II (LA-II). Each question is of 4 marks. Question-9 is of case-based type.

8. Read the case study given below and attempt any 4 sub-questions (out of 5). Each sub-question carries 1 mark.

   Mr. Harish, an accountant, works in an IT firm and due to the pandemic, has been asked to work from home. He has set up his online office at his home. He has purchased a laptop, web camera and other accessories. Now he has started working from home and performs his various duties online.

   (i) Mr. Harish wants to hold an online meeting with the company's client such that he can interact as well as see them. Which web service should he avail?   **[1]**

(ii) Mr. Pritish sends an email to Harish requesting him to prepare the balance sheet. Which network protocol is involved during this email communication? **[1]**

(iii) The company's financial head needs to send some high security documents to Mr. Harish. He uses an application which supports the _____protocol. **[1]**

(iv) In order to gather some information on latest accounting trends, Mr. Harish has to do some research. He can do this by locating sites online using a_____. **[1]**

(v) Joseph, the company secretary sends a link to Mr. Harish which contains important company files. What should he do in order to access the files? **[1]**

9. 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.

HTML TABLE

Roll Number	First Name	Last Name	Class
1	FN1	LN1	12th
2	FN2	LN2	11th
3	FN3	LN3	

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 Light Cyan.

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 exactly 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. **[4]**

❑❑❑

CBSE Marking Scheme
Issued by Board 2021-22

Section – A
[8 Marks each]

1. **HTML Code for Embedding Video :**

   <video controls><source src="VideoFile.mp4">< video>

   HTML Code for Embedding Audio:

   <audio controls><source src="AudioFile.mp3"></Audio> **[2]**

   1 mark for code of Embedding Video

   1 mark for code of Embedding Audio

2. URL stands for Uniform Resource Locator. It is basically a web address that identifies a resource on the internet. An email address is an account on a mail server. The main difference is that an email address contains an '@' sign whereas a URL never has it. An email address does not start with a www. **[2]**

   1 mark for correct definition of URL.

   1 mark for correct difference

OR

A newsgroup is an Internet-based discussion group. It is organized around a particular topic, eg cyber safety. People can post messages on the group regarding the topic. Anyone can join a discussion group A blog is more like a website where an individual or group of people write about anything that interests them eg, sports, culture etc. It is usually owned by an individual and we can only post comments on a blog if it is allowed to do so.

1 mark for correct definition of newsgroup.

1 mark for correct difference

3. 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 Hyperlink Text **[2]**

   1/2 mark for correct definition.

   1/2 mark for correct name of tag

   1 mark for correct syntax

4. <tr> : defines table row.

<td> : defines table data/cell.

HTML Code

```
<table>
<tr>
<td>1</td>
<td>Ajay</td>
<td>Arts</td>
</tr>
<tr>
<td>2</td>
<td>Vijay</td>
<td>Commerce</td>
</tr> </table>
```

1 mark for the correct role

1 mark each for correct HTML Code

Section – B   [9 Marks each]

5. Internet is a world-wide network of interconnected computer networks and other devices. It provides us with a very easy, fast and convenient way to access any type of information. It uses the standard Internet Protocol (TCP/IP). Two uses:

   (i) To access any educational site example : khan academy.

   (ii) To send and receive emails using an email service.

   The world wide web, or web for short, are the pages you see when you're at a device and you're online whereas the internet is the network of connected computers that the web works on.   **[3]**

1 mark for correct definition of Internet

1 mark for uses

1 mark for the difference between www and Internet

6. e-learning can be defined as a learning system which makes use of electronic resources mainly computers and the internet. It encompasses everything from traditional classrooms that incorporate basic technology to online schools and universities.

   Merits: Since in e learning teachers use technology to teach, it is highly engaging. Students can learn anywhere, anytime according to their convenience thus saving a lot of time and money.   **[3]**

1 mark for correct definition

1 mark each for two merits

7. A Web Browser is a software that can be used to browse and display pages available over internet whereas a web server is a software which provides these documents when requested by web browsers. A web browser sends request to web servers for web services etc. and a web server responds to these requests by providing the required documents. Google chrome is an example of a web browser whereas Apache server is an example of a web server.

1 mark for each correct difference.

1 mark for correct example of web browser and web server

OR

The main difference between a 3G and 4G mobile technology is the speed   **[3]**

3G Mobile Technology	4G Mobile Technology
(i) 3G, the 3rd generation of wireless mobile telecommunications tech	(i) 4G is the 4th generation of broadband cellular network technology, succeeding 3G.
(ii) A typical 3G phone can download files at a maximum speed of up to 21Mbps.	(ii) 4G phone can download files at speeds of upto 1GBps

1.5 mark for each correct difference

Section – C   [8 Marks each]

8. (i) Video conferencing such as Skype, Zoom etc   *(1 mark for correct answer)* **[1]**

   (ii) SMTP(Simple Mail Transfer Protocol) and POP(Post Office Protocol)

   (1 mark for correct answer) **[1]**

   (iii) SSH(Secure Shell)

   (1 mark for correct answer) **[1]**

   (iv) Search engine / web browser 1 mark for correct answer

   (1 mark for correct answer) **[1]**

   (v) Download the files from the link 1 mark for correct answer

   (1 mark for correct answer) **[1]**

9.
```
<html>
<head>
</head>
<body bgcolor="LightCyan">
<h1>HTML TABLE</h1>
<table border="1">
<tr>
<th>Roll Number</th>
<th>First Name</th>
<th>Last Name</th>
<th>Class</th>
</tr>
<tr>
<td>1</td>
<td>FN1</td>
<td>LN1</td>
<td>12th</td>
</tr>
<tr>
```
```
<td>2</td>
<td>FN2</td>
<td>LN2</td>
<td rowspan="2">11th</td>
</tr>
<tr>
<td>3</td>
<td colspan="2">FN3 LN3</td>
</tr>
</table>
</body>
<html>
```
[4]

1 mark for correct <html> structure (i.e
<html><head></head><body></body></html>)
and Specification-1
1 mark for correct HTML code for Specification-2
1 mark for correct HTML code for Specification-3
1 mark for correct HTML code for Specification-4
1 mark for correct HTML code for Specification-5

❑❑❑

Solved Paper, 2021-22
Computer Applications
Term-I, Set-4

General Instructions :

(i) The Question paper contains three sections : A, B and C.

*(ii) **Section–A** has **20** questions. Attempt any **16** questions.*

*(iii) **Section–B** has **20** questions. Attempt any **16** questions.*

*(iv) **Section–C** has **10** questions. Attempt any **8** questions.*

(v) All questions carry equal marks.

(vi) There is no negative marking.

SECTION-A

This section consists of 20 questions of MCQ type. Answer any 16 questions.

1. Identify the correct statement regarding OSS:
   (a) It is available for nominal or zero licensing and usage charges
   (b) It can be shared with others freely
   (c) It is modifiable
   (d) All of the above

2. Identify invalid HTML tag from the following list:
   (a) <h6> .... </h6>   **(b)** <h4> .... </h4>
   (c) <h5> .... </h5>   **(d)** <h7> .... </h7>

3. _____ are the rights given to persons over the creations of their minds.
   (a) Creative rights
   (b) Intellectual property rights
   (c) Intellectual creative rights
   (d) Creative property rights

4. Extension of HTML file is:

(a) .ht

(b) .htI

(c) .html

(d) All of the above

5. The _____ tag in HTML is used to define that portion of the document which contains information related to the document.

(a) <top>

(b) <head>

(c) <main>

(d) <info>

6. Identify the correct statement with reference to <P> tag :

(a) It is used within the <BODY> tag.

(b) The <p> tag defines a paragraph.

(c) Browsers automatically add a single blank line before and after each <p> element.

(d) All of the above

7. OL stands for :

(a) Organized List

(b) Outstanding List

(c) Ordered List

(d) Overall List

8. The _____ tag defines the terms in the description list.

(a) <DL>

(b) <DT>

(c) <DD>

(d) All of the above.

9. Name the activity of electronically buying or selling of products on online services or over the Internet.

(a) Cyber Commerce

(b) e-Commerce

(c) Internet business

(d) Electric commerce

10. The <title> element

(a) defines a title in the browser toolbar

(b) provides a title for the page when it is added to favourites

(c) displays a title for the page in search-engine results

(d) All of the above

11. Face, size, color are attributes of which tag ?

(a) Text

(b) Font

(c) T

(d) F

12. • This kind of software is "freely distributed to users on a trial basis."

• There's a time limitation inherent in the software and would be deactivated when the time period is finished.

• One has to pay for the software to use it after the time limit.

Identify the type of software :

(a) OSS

(b) Proprietary

(c) Freeware

(d) Shareware

13. H in <HR> tag stands for :

(a) Height

(b) Horizontal

(c) Hollow

(d) None of the above

14. HTML files can be created using any :

(a) Spreadsheet

(b) Photo editor

(c) Presentation Software

(d) Text editor

15. Select the e-commerce fraud from the following list:

(a) Payment fraud

(b) Identity Theft

(c) Phishing

(d) All of the above

16. Term _____ refers to the gap between those who have access to ICTs and those who don't.

(a) Internet Gap

(b) Internet Divide

(c) Digital Divide

(d) Technology Divide

17. Which of the following will come under IPR ?

(a) Trademark

(b) Patent

(c) Copyright

(d) All of the above

18. A unique symbol or word used to represent a business or its products is known as:

(a) Patent

(b) Trademark

(c) Copyright

(d) None of the above

19. The _____ tag inserts a single line break.

(a) <break>

(b)

(c) <line>

(d) <new line>

20. _____ attribute of <BODY> tag is used to specify the color of the linked text.

(a) Icolor

(b) clink

(c) linkcolor

(d) link

SECTION-B

**This section consists of 20 questions of MCQ type.
Answer any 16 questions.**

21. Manish has copied the information from the resources available on the internet for his article without acknowledging the original source or taking the permission from the original creator. This unethical act is termed as :

(a) Phishing

(b) Plagiarism

(c) Spying

(d) Identity theft

22. Rajesh, an IT club volunteer of the school, needs to add a picture of 'Green Earth' in the center of a webpage designed to spread awareness on saving the environment. Help him in choosing the correct HTML command for the same :

(a) <PICTURE>

(b) <IMAGE>

(c) <IMG>

(d) <PICT>

23. Encryption is one of the most prominent technique used for:
(a) fast data transmission
(b) secure data transmission
(c) far away data transmission
(d) free data transmission

24. Ms. Sandhya, vocational subject teacher in a public school, has shown the following list of few of the skill courses offered by CBSE to the students to take their preference :
SKILL COURSES
• Retail
• Information Technology
• Security
• Automotive
Above shown list is an example of _____ HTML list.
(a) unordered
(b) ordered
(c) description
(d) definition

25. In reference to comments in HTML document, identify the correct statement:
(a) Comment line is ignored by the web browser.
(b) It is a good practice to add comments into your HTML code
(c) It helps to understand the code and increases code readability.
(d) All of the above

26. GIMP, Mozilla Firefox, GNU/Linux, Python, etc. come under :
(a) Freeware
(b) FOSS
(c) Shareware
(d) Proprietary

27. Sneha wants 'B' as first numbering in her HTML lists instead of 'A'. Identify the most suitable attribute to specify the same :
(a) first
(b) start
(c) initial
(d) Not possible

28. Sajal has just started learning web page designing through HTML. Help her in identifying the incorrect statement regarding HEAD tag from the following:
(a) It is used to define the head portion of the document which contains information related to the document.
(b) No other tag can be used inside HEAD block.
(c) <TITLE> ..... </TITLE> tag is used inside HEAD block.
(d) All of the above

29. The process of converting the original representation of the information (plaintext), into an alternative form (ciphertext) is known as:
(a) Encryption
(b) Decryption
(c) Phishing
(d) Plagiarism

30. Shambhavi is designing a HTML FORM to collect user's responses. Suggest her a suitable FORM element to take the entry of user's place of birth:
(a) Check Box
(b) Password field
(c) Radio button
(d) Combo Box

31. I am :
• A square box
• Ticked when selected
• One or more options can be selected from the choices given by me
Who am I ?
(a) Radio Button
(b) Text Box
(c) Check Box
(d) Combo Box

32. Razia, a class X student, is a beginner in the field of web designing. Help her in identifying the attribute which is not, related to <BODY> tag:
(a) src
(b) background
(c) bgcolor
(d) text

33. **Statement 1 :** FOSS is more user friendly as compared to Proprietary software.
Statement 2 : Proprietary software allows developers across the globe to participate in the ongoing development of the software.
Select the best option from the list given below to understand the correctness of both the statements:
(a) Both statements are correct
(b) Statement 1-Correct & Statement 2-1ncorrect
(c) Statement 1-Incorrect & Statement 2-Correct
(d) Statement 1-Incorrect & Statement 2-Incorrect

34. Which of the following is Privacy threats to e-commerce ?
(a) Password theft
(b) Identity theft
(c) Phishing
(d) All of the above

35. By mistake, Raj has jumbled up a few tags and their attributes. Help him by choosing correct option for tags and their corresponding attributes :

	TAGS		ATTRIBUTES
1.	font	i.	src
2.	body	ii.	face
3.	img	iii.	text

	1	2	3		1	2	3
(a)	ii	iii	i	(b)	iii	i	ii
(c)	iii	ii	i	(d)	i	ii	iii

36. The _____ tag represents the root of an HTML document.

   (a) <root>   (b) <html>

   (c) <first>   (d) <main>

37. R in IPR stands for :

   (a) Role   (b) Rights

   (c) Range   (d) RAM

38. Romal, a chemical analyst, is designing a webpage of the company, which may contain the chemical formula of water H_2O. Which tag should she use to display 2 little bits below the normal line?

   (a) <lower>

   (b) <subscript>

   (c) <sub>

   (d) No tag is available in HTML for it.

39. A webpage can be accessed by a :

   (a) Text editor   (b) Spreadsheet

   (c) Web browser   (d) Office applications

40. The _____ tag is an empty tag and it does not require closing tag.

   (a) <table>   (b) <hr>

   (c) <form>   (d) <font>

SECTION-C

Case Study based Questions

Section C consists of 10 questions. Any 8 questions are to be attempted.

Case Study — I

Nowadays we spend more time in the cyber world. Anyone who uses digital technology along with the Internet is a digital citizen or a netizen. Being a good netizen means practicing safe, ethical and legal use of digital technology. A responsible netizen must abide by net etiquettes, communication etiquettes arid social media etiquettes.

We follow certain etiquettes during our social interactions. Similarly, we need to exhibit proper manners and etiquettes while being online. One should be ethical, respectful and responsible while surfing the Internet. We should not use copyrighted materials without the permission of the creator or owner. In a group or public forum, we should respect the diversity of the people in terms of knowledge, experience, culture and other aspects.

Based on the above topic, answer the questions No. 41-45

41. Identify the net etiquette which every netizen should follow :

   (a) One should be responsible

   (b) One should be ethical

   (c) One should be respectful

   (d) All of the above

42. Being ethical in the cyber world means :

   (a) We should share information in the cyber world

   (b) We should not use copyrighted materials without the permission of the creator or owner.

   (c) We should further forward the information without checking its reliability at our own end.

   (d) All of the above

43. Being respectful in the cyber world means:

   (a) We should respect different opinion of others

   (b) We should use respectful language

   (c) We should respect others privacy

   (d) All of the above

44. A netizen will be considered very irresponsible in nature if he or she :

   (a) Feed the troll

   (b) Avoid cyber bullying

   (c) Checks the details before befriending on social media

   (d) All of the above

45. Person who spends more time in the cyber world may be termed as:

   (a) Netizen   (b) C-Citizen

   (c) D-Citizen   (d) All of the above

Case Study — II

Carefully observe the following screenshot :

Coding Club Registration Form	
Name:	lvana
Preferred User id:	lvana.dk
Secret Password:	********
	Register

Based on the screenshot shown above, attempt the question number 46-50.

46. An HTML _____ is used to collect user input.

   (a) Frame   (b) Table

   (c) Box   (d) Form .

47. HTML element to create the box to accept the candidate's Name :

(a) <ACCEPT>   (b) <INPUT>

(c) <NAME>   (d) <BOX>

48. Correct attribute= "value" pair to create the box to accept the candidate's Name :

(a) type= "text"   (b) type= "name"

(c) accept= "text"   (d) accept= "'name"

49. Choose the correct HTML control, to create the text box having label as "Preferred User id" :

(a) Id Box   (b) Id field

(c) Text field   (d) Password field

50. HTML element to create the box to accept the Secret Password' :

(a) <ACCEPT>   (b) <INPUT>

(c) <NAME>   (d) <BOX>

❑❑❑

ANSWERS

SECTION-A

1. **(d)** All of the above

Explanation: Open source software (OSS) is a software that is distributed with its source code, making it available for use, modification, and distribution with its original rights. It is available for nominal or zero licensing and usage charges.

2. **(d)** <h7> .... </h7>

Explanation: HTML headings are defined with the <h1> to <h6> tags.

3. **(b)** Intellectual property rights

Explanation: Intellectual property rights are legal rights that provide creators protection for original works, inventions, or the appearance of products, artistic works, scientific developments, and so on.

4. **(c)** .html

Explanation: An HTML file is nothing more than plain ASCII text, but all HTML files must have a special file extension for web browsers to recognize them. This extension is either .htm or .html.

5. **(b)** <head>

Explanation: The <head> element is a container for metadata (data about data). The HTML <head> element is a container for the following elements: <title> , <style> , <meta> , <link> , <script> , and <base> .

6. **(d)** All of the above

Explanation: The <p> tag defines a paragraph of text. The <p> element is found within the <body> tag. Browsers automatically add a single blank line before and after each <p> element.

7. **(c)** Ordered List

Explanation: An ordered list typically is a numbered list of items. An ordered list is created by nesting one or more <li> elements between the opening and closing <ol> tags.

8. **(b)** <DT>

Explanation: The <dt> tag defines a term/name in a description list. The <dt> tag is used in conjunction with <dl> (defines a description list) and <dd> (describes each term/name).

9. **(b)** e-Commerce

Explanation: E-commerce (electronic commerce) is the activity of electronically buying or selling of products on online services or over the Internet.

10. **(d)** All of the above

Explanation: The <title> HTML element defines the document's title that is shown in a browser's title bar or a page's tab. It only contains text; tags within the element are ignored.

11. **(b)** Font

Explanation: The HTML <font> tag defines the font size, color and face of text in the HTML document.

12. **(d)** Shareware

Explanation: Shareware is a software that is distributed free on a trial basis with the understanding that the user may need or want to pay for it later.

13. **(b)** Horizontal

Explanation: The <hr> tag creates a horizontal rule. <hr> tag declare a thematic break for content.

14. **(d)** Text editor

Explanation: You can use a simple text editor to create web pages. Brackets is an excellent free HTML editing application from Adobe available for both Windows and Mac. Common text editors for Windows include Notepad and WordPad; both programs are standard in Windows.

15. **(d)** All of the above

Explanation: E-commerce fraud is any type of fraud that occurs on an e-commerce platform. Using a stolen or fake credit card, using a false identity, and affiliate fraud advertising are all forms of ecommerce fraud.

16. **(c)** Digital Divide

Explanation: The digital divide is the gap in social and economic equality that occurs when some segments of a given population do not have equal access to Information and Communications Technology (ICT) and reliable high-speed Internet service.

17. **(d)** All of the above

Explanation: Intellectual property rights include patents, copyright, industrial design rights, trademarks, plant variety rights, trade dress, geographical indications and in some jurisdictions trade secrets.

18. **(b)** Trademark

Explanation: A trademark is a sign capable of distinguishing the goods or services of one enterprise from those of other enterprises. Trademarks are protected by intellectual property rights.

19. **(b)**

Explanation: The <br> tag inserts a single carriage return or breaks in the document. This element has no end tag.

20. **(d)** link

Explanation: The HTML <body> link attribute is used to specify the default color for a unvisited link in a document.

SECTION-B

21. **(b)** Plagiarism

Explanation: Plagiarism is presenting someone else's work or ideas as your own, with or without their consent, by incorporating it into your work without full acknowledgement.

22. **(c)** <IMG>

Explanation: <img> tag is used to add image inside webpage/website. Nowadays website does not directly add images to a web page, as the images are linked to web pages by using the <img> tag which holds space for the image. Syntax: <img src = "url/path" alt = "alternative text" width = "size in pixels" height = "size in pixels" >

23. **(b)** secure data transmission

Explanation: Encryption is used in electronic money schemes to protect conventional transaction data like account numbers and transaction amounts, digital signatures can replace handwritten signatures or a credit-card authorizations, and public-key encryption can provide confidentiality.

24. **(a)** unordered

Explanation: HTML Unordered List or Bulleted List displays elements in bulleted format.
We can use unordered list where we do not need to display items in any particular order. The HTML <ul> tag is used for the unordered list. There can be 3 types of bulleted list:
• disc　　　• square　　　• circle

25. **(d)** All of the above

Explanation: An HTML comment begins with <! — and the comment closes with —> . HTML comments are visible to anyone that views the page source code, but are not rendered when the HTML document is rendered by a browser.

26. **(b)** FOSS

Explanation: Free and open-source software (FOSS) is a software that can be classified as both free software and open-source software. Few examples of FOSS software include: the Linux kernel, GNOME Desktop and Free Berkeley Software Distribution (FreeBSD).

27. **(b)** start

Explanation: The start attribute in HTML is used to specify the start value for numbering the individual list item. It is used with ordered list.

28. **(b)** No other tag can be used inside HEAD block.

Explanation: The <head> tag in HTML is used to define the head portion of the document which contains information related to the document. The <head> tag contains other head elements such as <title>, <meta>, <link>, <style>, etc.

29. **(a)** Encryption

Explanation: Plaintext can refer to anything which humans can understand and/or relate to. Ciphertext, or encrypted text, is a series of randomized letters and numbers which humans cannot make any sense of. An encryption algorithm takes in a plaintext message, runs the algorithm on the plaintext, and produces a ciphertext.

30. **(d)** Combo Box

Explanation: A combo box is a combination of a standard list box or a drop-down list and an editable text box, thus allowing users to enter a value that isn't in the list.

31. **(c)** Check Box

Explanation: The HTML <checkbox> tag is used to define the square boxes. It is a form element which allows users to select one or more options from the given options.

32. **(a)** src

Explanation: The body tag is used for indicating the main content section of the HTML document. The body tag is placed between the </HTML> and the </html> tags. Some commonly used attributes of this tag Background, Text, Link, Vlink,Alink and Bgcolor.

33. **(b)** Statement 1-Correct & Statement 2-1ncorrect

Explanation: Open Source software has open access, that is, can be accessed by anyone. Proprietary software can be accessed only by those who developed it and those who have paid for it. Open Source software is flexible, that is, it can be used, modified and distributed by anyone.

34. **(d)** All of the above

Explanation: The most typical security and privacy threats include phishing and social engineering, personal or card data theft or misuse, malware, and hacking. Two highly prevalent threats that can adversely impact the personal information of an e-commerce site visitor are phishing and social engineering attacks.

35. **(a)** 1-ii; 2-iii; 3-i

Explanation: The font tag is having three attributes called size, color, and face to customize the fonts. The img tag have two attributes src and alt. Some of the commonly used attributes of body tag are background, text, link, bgcolor, etc.

36. **(b)** <html>

Explanation: The <html> HTML element represents the root (top-level element) of an HTML document, so it is also referred to as the root element. All other elements must be descendants of this element.

37. **(b)** Rights

Explanation: Intellectual Property Rights (IPRs) are legal rights that protect creations and/or inventions resulting from intellectual activity in the industrial, scientific, literary or artistic fields. The most common IPRs include patents, copyrights, marks and trade secrets.

38. **(c)** <sub>

Explanation: The <sub> tag defines subscript text. Subscript text can be used for chemical formulas, like H_2O. Use the <sup> tag to define superscripted text.

39. **(c)** Web browser

Explanation: A web page can be accessed by entering a URL address into a browser's address bar. A web page may contain text, graphics, and hyperlinks to other web pages and files.

40. **(b)** <hr>

Explanation: Elements with no closing tag are known as an empty tag.
For eg: <br>, <link>, <img>, <hr>, <meta>, <source>, etc.
Since we can not specify anything in between those.

SECTION-C

41. **(d)** All of the above

Explanation: Every netizen should be responsible, ethical and respectful while surfing the Internet.

42. **(b)** We should not use copyrighted materials without the permission of the creator or owner.

Explanation: Ethics in cyber security is about what decisions are aligned with our values and what is morally acceptable for both the data owner and the organisation. Ethical standards should also describe how to implement processes for ensuring ethical decision-making.

43. (d) All of the above

> *Explanation:* **Respect:** always be courteous and respectful to others online in the same way you would be in real life. The age-old saying of "treat others as you would like to be treated" is an important rule to maintaining positive cyber citizenship.

44. (a) Feed the troll

> *Explanation:* Responsible digital citizenship means taking part in online community life safely, ethically and respectfully. Good digital citizens behave respectfully, protect their reputations and privacy, watch their tone, and are sceptical.

45. (a) Netizen

> *Explanation:* The meaning of NETIZEN is an active participant in the online community of the Internet.

46. (d) Form

> *Explanation:* The HTML <form> tag is used for creating a form for user input. A form can contain textfields, checkboxes, radio-buttons and more. Forms are used to pass user-data to a specified URL.

47. (b) <INPUT>

> *Explanation:* The <input> HTML element is used to create interactive controls for web-based forms in order to accept data from the user; a wide variety of types of input data and control widgets are available, depending on the device and user agent.

48. (a) type= "text"

> *Explanation:* Attributes usually come in name/value pairs like: name="value". HTML attributes (usually) have values and are written after a "=" after the name of the attribute. Attribute value pair is placed before the last ">" of an HTML start tag.

49. (c) Text field

> *Explanation:* To create a text box (also called input box), use the <input> tag and set the type attribute to "text".

50. (b) <INPUT>

> *Explanation:* <input> elements of type password provide a way for the user to securely enter a password.
> Syntax:
> <input type="password">

❑❑❑

Term – I

OMR SHEET

Booklet Series

A

Booklet Series

Ⓐ Ⓑ Ⓒ Ⓓ

Subject

Roll Number

⓪⓪⓪⓪⓪⓪⓪⓪⓪
①①①①①①①①①
②②②②②②②②②
③③③③③③③③③
④④④④④④④④④
⑤⑤⑤⑤⑤⑤⑤⑤⑤
⑥⑥⑥⑥⑥⑥⑥⑥⑥
⑦⑦⑦⑦⑦⑦⑦⑦⑦
⑧⑧⑧⑧⑧⑧⑧⑧⑧
⑨⑨⑨⑨⑨⑨⑨⑨⑨

Name

Test Date

Student's Signature

Invigilator's Signature

Certified that all the entries in this section have been properly filled by the student

Proper Marking

The OMR Sheet will be computer checked Fill the circles completely and dark enough for proper detection, Use ballpen (black or blue) for marking.

Ⓐ Ⓑ ● Ⓓ

Avoid Improper Marking

Partially Filled

Lightly Filled

Test Center Code

⓪⓪
①①
②②
③③
④④
⑤⑤
⑥⑥
⑦⑦
⑧⑧
⑨⑨

IMPORTANT

The candidate should check that the Test Book Series printed on the OMR Sheet is the same as printed on the Test Booklet. In case of discrepancy, the candidate should immediately report the matter to the invigilator for replacement of both the Test Booklet and the Answer Sheet.

Darken the circle for each question.

Q.No.	Response	Q.No.	Response	Q.No.	Response	Q.No.	Response
01	Ⓐ Ⓑ Ⓒ Ⓓ	16	Ⓐ Ⓑ Ⓒ Ⓓ	31	Ⓐ Ⓑ Ⓒ Ⓓ	46	Ⓐ Ⓑ Ⓒ Ⓓ
02	Ⓐ Ⓑ Ⓒ Ⓓ	17	Ⓐ Ⓑ Ⓒ Ⓓ	32	Ⓐ Ⓑ Ⓒ Ⓓ	47	Ⓐ Ⓑ Ⓒ Ⓓ
03	Ⓐ Ⓑ Ⓒ Ⓓ	18	Ⓐ Ⓑ Ⓒ Ⓓ	33	Ⓐ Ⓑ Ⓒ Ⓓ	48	Ⓐ Ⓑ Ⓒ Ⓓ
04	Ⓐ Ⓑ Ⓒ Ⓓ	19	Ⓐ Ⓑ Ⓒ Ⓓ	34	Ⓐ Ⓑ Ⓒ Ⓓ	49	Ⓐ Ⓑ Ⓒ Ⓓ
05	Ⓐ Ⓑ Ⓒ Ⓓ	20	Ⓐ Ⓑ Ⓒ Ⓓ	35	Ⓐ Ⓑ Ⓒ Ⓓ	50	Ⓐ Ⓑ Ⓒ Ⓓ
06	Ⓐ Ⓑ Ⓒ Ⓓ	21	Ⓐ Ⓑ Ⓒ Ⓓ	36	Ⓐ Ⓑ Ⓒ Ⓓ	51	Ⓐ Ⓑ Ⓒ Ⓓ
07	Ⓐ Ⓑ Ⓒ Ⓓ	22	Ⓐ Ⓑ Ⓒ Ⓓ	37	Ⓐ Ⓑ Ⓒ Ⓓ	52	Ⓐ Ⓑ Ⓒ Ⓓ
08	Ⓐ Ⓑ Ⓒ Ⓓ	23	Ⓐ Ⓑ Ⓒ Ⓓ	38	Ⓐ Ⓑ Ⓒ Ⓓ	53	Ⓐ Ⓑ Ⓒ Ⓓ
09	Ⓐ Ⓑ Ⓒ Ⓓ	24	Ⓐ Ⓑ Ⓒ Ⓓ	39	Ⓐ Ⓑ Ⓒ Ⓓ	54	Ⓐ Ⓑ Ⓒ Ⓓ
10	Ⓐ Ⓑ Ⓒ Ⓓ	25	Ⓐ Ⓑ Ⓒ Ⓓ	40	Ⓐ Ⓑ Ⓒ Ⓓ	55	Ⓐ Ⓑ Ⓒ Ⓓ
11	Ⓐ Ⓑ Ⓒ Ⓓ	26	Ⓐ Ⓑ Ⓒ Ⓓ	41	Ⓐ Ⓑ Ⓒ Ⓓ	56	Ⓐ Ⓑ Ⓒ Ⓓ
12	Ⓐ Ⓑ Ⓒ Ⓓ	27	Ⓐ Ⓑ Ⓒ Ⓓ	42	Ⓐ Ⓑ Ⓒ Ⓓ	57	Ⓐ Ⓑ Ⓒ Ⓓ
13	Ⓐ Ⓑ Ⓒ Ⓓ	28	Ⓐ Ⓑ Ⓒ Ⓓ	43	Ⓐ Ⓑ Ⓒ Ⓓ	58	Ⓐ Ⓑ Ⓒ Ⓓ
14	Ⓐ Ⓑ Ⓒ Ⓓ	29	Ⓐ Ⓑ Ⓒ Ⓓ	44	Ⓐ Ⓑ Ⓒ Ⓓ	59	Ⓐ Ⓑ Ⓒ Ⓓ
15	Ⓐ Ⓑ Ⓒ Ⓓ	30	Ⓐ Ⓑ Ⓒ Ⓓ	45	Ⓐ Ⓑ Ⓒ Ⓓ	60	Ⓐ Ⓑ Ⓒ Ⓓ