

Series : GE1FH



SET~4

रोल नं.
Roll No.



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नोट

- (I) कृपया जाँच कर लें कि इस प्रश्न-पत्र में मुद्रित पृष्ठ 19 हैं।
- (II) प्रश्न-पत्र में दाहिने हाथ की ओर दिए गए प्रश्न-पत्र कोड को परीक्षार्थी उत्तर-पुस्तिका के मुख-पृष्ठ पर लिखें।
- (III) कृपया जाँच कर लें कि इस प्रश्न-पत्र में 26 प्रश्न हैं।
- (IV) कृपया प्रश्न का उत्तर लिखना शुरू करने से पहले, उत्तर-पुस्तिका में यथा स्थान पर प्रश्न का क्रमांक अवश्य लिखें।
- (V) इस प्रश्न-पत्र को पढ़ने के लिए 15 मिनट का समय दिया गया है। प्रश्न-पत्र का वितरण पूर्वाह्न में 10.15 बजे किया जाएगा। 10.15 बजे से 10.30 बजे तक परीक्षार्थी केवल प्रश्न-पत्र को पढ़ेंगे और इस अवधि के दौरान वे उत्तर-पुस्तिका पर कोई उत्तर नहीं लिखेंगे।

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प्रश्न-पत्र कोड
Q.P. Code

53

परीक्षार्थी प्रश्न-पत्र कोड को उत्तर-पुस्तिका के मुख-पृष्ठ पर अवश्य लिखें।
Candidates must write the Q.P. Code on the title page of the answer-book.

NOTE

- (I) Please check that this question paper contains 19 printed pages.
- (II) Q.P. Code given on the right hand side of the question paper should be written on the title page of the answer-book by the candidate.
- (III) Please check that this question paper contains 26 questions.
- (IV) Please write down the Serial Number of the question in the answer-book at the given place before attempting it.
- (V) 15 minute time has been allotted to read this question paper. The question paper will be distributed at 10.15 a.m. From 10.15 a.m. to 10.30 a.m., the candidates will read the question paper only and will not write any answer on the answer-book during this period.



कंप्यूटर एप्लीकेशन

COMPUTER APPLICATIONS

निर्धारित समय : 2 घण्टे

Time allowed : 2 hours

अधिकतम अंक : 50

Maximum Marks : 50



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सामान्य निर्देश :

कृपया निर्देशों को ध्यानपूर्वक पढ़िए :

- (i) इस प्रश्न-पत्र में 5 खण्ड हैं : खण्ड क, ख, ग, घ, ङ ।
- (ii) सभी प्रश्न अनिवार्य हैं । फिर भी कुछ प्रश्नों में आंतरिक विकल्प दिए गए हैं ।
- (iii) खण्ड क में प्रत्येक 1 अंक के 12 प्रश्न हैं ।
- (iv) खण्ड ख में प्रत्येक 2 अंक के 7 अति संक्षिप्त उत्तर (VSA) वाले प्रश्न हैं ।
- (v) खण्ड ग में प्रत्येक 3 अंक के 4 संक्षिप्त उत्तर (SA) वाले प्रश्न हैं ।
- (vi) खण्ड घ में प्रत्येक 4 अंक का 1 लंबे उत्तर (LA) वाला प्रश्न है ।
- (vii) खण्ड ङ में प्रत्येक 4 अंक के स्रोत-आधारित/प्रकरण-आधारित/परिच्छेद-आधारित 2 प्रश्न हैं ।

खण्ड क

(सभी प्रश्न अनिवार्य हैं)

12×1=12

1. अरुण अपने कार्यालय को e-mail भेज रहा है । इस प्रयोजन के लिए निम्नलिखित विकल्पों में से कौन-सा Protocol (नियमावली) प्रयोग किया जाएगा ? 1
(A) FTP (B) HTTP
(C) SMTP (D) SCP
2. भारत में निम्नलिखित में से कौन-सा e-Reservation portal नहीं है ? 1
(A) <https://www.amazon.in>
(B) <https://www.yatra.com>
(C) <https://www.makemytrip.com>
(D) <https://www.irctc.co.in>
3. निम्नलिखित में से कौन-सा एट्रीब्यूट (attribute) एचटीएमएल (HTML) के tag का मान्य एट्रीब्यूट (attribute) नहीं है ? 1
(A) face (B) type
(C) size (D) color
4. FTP का पूर्ण रूप (full form) क्या है ? 1
(A) File Transfer Protocol (B) File Transmission Protocol
(C) Fast Transfer Protocol (D) Fast Transmission Protocol



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General Instructions :

Please read the instructions carefully.

- (i) This question paper has **5 Sections : Sections A, B, C, D, E.**
- (ii) **All questions are compulsory.** However, internal choices have been provided in some of the question.
- (iii) **Section A** has **12** questions carrying **1** mark each.
- (iv) **Section B** has **7** Very Short Answer (VSA) type questions carrying **2** marks each.
- (v) **Section C** has **4** Short Answer (SA) type questions carrying **3** marks each.
- (vi) **Section D** has **1** Long Answer (LA) type question carrying **4** marks.
- (vii) **Section E** has **2** Source-based / Case-based / Passage-based questions carrying **4** marks each.

SECTION A

(All questions are compulsory)

12×1=12

1. Arun is sending an e-mail to his office. Which protocol out of the following options will be used for the purpose ? 1
(A) FTP (B) HTTP
(C) SMTP (D) SCP
2. Which of the following is **not** an e-Reservation portal in India ? 1
(A) <https://www.amazon.in>
(B) <https://www.yatra.com>
(C) <https://www.makemytrip.com>
(D) <https://www.irctc.co.in>
3. Which of the following attributes is **not** a valid attribute of the tag in HTML ? 1
(A) **face** (B) **type**
(C) **size** (D) **color**
4. What is the full form of FTP ? 1
(A) File Transfer Protocol (B) File Transmission Protocol
(C) Fast Transfer Protocol (D) Fast Transmission Protocol



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5. निम्नलिखित में से कौन-सा एट्रीब्यूट (attribute) एचटीएमएल (HTML) के **<body>** tag का मान्य एट्रीब्यूट (attribute) **नहीं** है ? 1
- (A) **text** (B) **background**
(C) **bgcolor** (D) **width**
6. रिक्त स्थान की पूर्ति के लिए सही विकल्प चुनिए : 1
- _____ एक online platform या वैबसाइट (website) है जहाँ व्यक्ति या व्यापारी संगठन विभिन्न विषयों पर पोस्ट्स (posts) के रूप में, नियमित रूप से लेख/दैनिकी (articles/journals) प्रकाशित करते हैं।
- (A) ब्राउजर (Browser) (B) ब्लॉग (Blog)
(C) न्यूज ग्रुप (News Group) (D) वेब सर्वर (Web Server)
7. एचटीएमएल (HTML) में किसी अनादेशित सूची (Unordered List) के टाइप (type) एट्रीब्यूट (attribute) के लिए डीफॉल्ट (default) वैल्यू (value) है : 1
- (A) **circle** (B) **disc**
(C) **square** (D) **triangle**
8. निम्नलिखित में से कौन-सा इंटरनेट पर उपलब्ध सर्च इंजन **नहीं** है ? 1
- (A) गूगल (Google) (B) बिंग (Bing)
(C) दिक्शा (Diksha) (D) याहू (Yahoo)
9. निम्नलिखित में से कौन-सा विकल्प क्लाइन्ट (client) और सर्वर (server) के बीच सिक्योर (secure) और एनक्रिप्टेड फाइल ट्रांसफर (encrypted file transfer) करने वाला नेटवर्क प्रोटोकॉल है ? 1
- (A) SFTP (B) Telnet
(C) SCP (D) HTTP
10. निम्नलिखित में से कौन-सा विकल्प सभी पैराग्राफ (paragraphs) के फॉन्ट परिवार (font family) को एरीयल (Arial) में सेट (set) करेगा ? 1
- (A) **<style> p { font-family: Arial; } </style>**
(B) **<style> p { fontfamily: Arial; } </style>**
(C) **<style> p { font: Arial; } </style>**
(D) **<style> p { font-type: Arial; } </style>**



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5. Which of the following attributes is **not** a valid attribute of the `<body>` tag in HTML ? 1
- (A) `text` (B) `background`
(C) `bgcolor` (D) `width`
6. Select the correct option to fill in the blank : 1
- A _____ is an online platform or website where individuals or businesses regularly publish articles/journals, known as posts, on various topics.
- (A) Brower (B) Blog
(C) News Group (D) Web Server
7. The default value for the type attribute of an Unordered List in HTML is : 1
- (A) `circle` (B) `disc`
(C) `square` (D) `triangle`
8. Which of the following is **not** a Search Engine available over the Internet ? 1
- (A) Google (B) Bing
(C) Diksha (D) Yahoo
9. Which of the following options is a network protocol that enables secure and encrypted file transfers between a client and a server ? 1
- (A) SFTP (B) Telnet
(C) SCP (D) HTTP
10. Which of the following options will set the font family of all paragraphs to 'Arial' ? 1
- (A) `<style> p { font-family: Arial; } </style>`
(B) `<style> p { fontfamily: Arial; } </style>`
(C) `<style> p { font: Arial; } </style>`
(D) `<style> p { font-type: Arial; } </style>`



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प्रश्न संख्या 11 और 12 अभिकथन और तर्क प्रकार के प्रश्न हैं। प्रत्येक प्रश्न में दो कथन हैं, अर्थात् अभिकथन (A) और तर्क (R)। अभिकथन और तर्क पर विचार करते हुए सबसे उपयुक्त विकल्प का चयन कीजिए।

- (A) अभिकथन (A) और तर्क (R) दोनों सही हैं और अभिकथन (A) का सही स्पष्टीकरण तर्क (R) है।
- (B) अभिकथन (A) और तर्क (R) दोनों सही हैं, परंतु अभिकथन (A) का सही स्पष्टीकरण तर्क (R) नहीं है।
- (C) अभिकथन (A) सही है, परंतु तर्क (R) गलत है।
- (D) अभिकथन (A) गलत है, परंतु तर्क (R) सही है।

11. अभिकथन (A) : एफटीपी (FTP) एक नेटवर्किंग प्रोटोकॉल है जिसका उपयोग फाइलों के अंतरण (transferring files) के लिए किया जाता है।

तर्क (R) : एफटीपी (FTP) का उपयोग तब किया जाता है जब हम वैबसाइट से कुछ डेटा (data) देखना चाहते हैं।

1

12. अभिकथन (A) : एसएमएस (SMS), स्मार्ट मैसेज सर्विस (Smart Message Service) का प्रथमाक्षर/आदिवर्णी (acronym) शब्द है।

तर्क (R) : संक्षिप्त, स्पष्ट और महत्वपूर्ण संदेश तुरंत भेजने के लिए एसएमएस (SMS), सर्वाधिक प्रचलित प्रौद्योगिकी है।

1

खण्ड ख

7×2=14

13. डिजिटल प्रॉपर्टी (Digital Property) क्या है ? डिजिटल प्रॉपर्टी के कोई दो उदाहरण लिखिए।

2

14. (क) ई-शॉपिंग (e-Shopping) क्या है ? आमतौर पर प्रयुक्त किन्हीं दो ई-शॉपिंग पोर्टल्स (e-Shopping portals) के नाम लिखिए।

2

अथवा

(ख) सोशल नेटवर्क (Social Network) क्या है ? इंटरनेट पर किन्हीं दो लोकप्रिय सोशल नेटवर्किंग साइट्स (social networking sites) के नाम लिखिए।

2



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Questions No. 11 and 12 are Assertion and Reason type questions. Each question consists of two statements, namely, Assertion (A) and Reason (R). Select the most suitable option considering the Assertion and Reason.

- (A) Both Assertion (A) and Reason (R) are true and Reason (R) is the correct explanation of Assertion (A).
- (B) Both Assertion (A) and Reason (R) are true, but Reason (R) is **not** the correct explanation of Assertion (A).
- (C) Assertion (A) is true, but Reason (R) is false.
- (D) Assertion (A) is false, but Reason (R) is true.

11. Assertion (A) : FTP is a networking protocol used for transferring files.

Reason (R) : FTP is used when we want to view some data from a website. 1

12. Assertion (A) : SMS is an acronym for Smart Message Service.

Reason (R) : SMS is the most common technology for delivering short, concise and important messages quickly. 1

SECTION B

7×2=14

13. What is a Digital Property ? Write any two examples of digital property. 2

14. (a) What is e-Shopping ? Write names of any two commonly used e-Shopping portals. 2

OR

(b) What is a Social Network ? Write names of any two popular social networking sites on the Internet. 2



15. बताइए कि निम्नलिखित कथन सही हैं या ग़लत हैं : 2

- (i) एचटीएमएल (HTML) में **<h1>** सबसे ऊँचे स्तर का शीर्षक (heading) है और **<h4>** सबसे नीचे स्तर का शीर्षक (heading) है।
- (ii) एचटीएमएल (HTML) में विजिट किए गए लिंक (visited link) का डिफॉल्ट (default) रंग बैंगनी (purple) होता है।
- (iii) एचटीएमएल (HTML) में कमेंट टेक्स्ट (comment text) शुरू करने के लिए ‘#’ करेक्टर (character) का उपयोग किया जाता है।
- (iv) एचटीएमएल (HTML) में **** एक एम्पटी टैग (empty tag) है क्योंकि इसे बंद करने की जरूरत नहीं होती।

16. (क) वेब पेज (Web page) (जिसका URL नीचे दिया गया है) का लिंक बनाने के लिए एचटीएमएल कोड (HTML code) लिखिए। 2

www.festivals.com/india/diwali.html

उल्लिखित वेब पेज (web page) को टेक्स्ट (text), ‘**FESTIVALS**’ पर क्लिक करने पर एक नए विंडो/टैब (window/tab) में खुलना चाहिए।

अथवा

- (ख) (i) निम्नलिखित लाइन को बोल्ड (bold) और इटैलिक्स (italics) में दिखाने के लिए एचटीएमएल (HTML) कोड लिखिए।

Happiness is not by chance, but by choice.

- (ii) वेब पेज (web page) के बैकग्राउंड कलर (background color) को नीला करने के लिए एचटीएमएल (HTML) कोड लिखिए। 2

17. निम्नलिखित एचटीएमएल टैग्स (HTML tags) के प्रयोजन लिखिए : 2

- (i) **
**
- (ii) **<DL>**



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15. State whether the following statements are True or False : 2

- (i) `<h1>` is the highest level of heading and `<h4>` is the lowest level of heading in HTML.
- (ii) A visited link is purple coloured by default in HTML.
- (iii) The character '#' is used to start a comment text in HTML.
- (iv) `` is an empty tag in HTML as it does not need to be closed.

16. (a) Write the HTML code to create a link to the web page having URL as : 2

`www.festivals.com/india/diwali.html`

The mentioned web page should get opened in a new window/tab on clicking the text, 'FESTIVALS'.

OR

- (b) (i) Write HTML code to display the following line of text in bold and italics.

Happiness is not by chance, but by choice.

- (ii) Write the HTML code to set the background color of the web page as blue. 2

17. Write the purpose of the following HTML tags : 2

- (i) `
`
- (ii) `<DL>`



18. (क) `<head> . . . </head>` के अंदर एक अधूरा सीएसएस (CSS) कोड नीचे दिया गया है। निम्नलिखित विनिर्देशनों (specifications) के अनुसार रिक्त स्थानों में भरकर इस कोड को पूरा कीजिए :

2

```
<head>
<style>
body { _____ : _____ ; } <!--line 1 -->
P {
_____ : _____ ; <!--line 2 -->
_____ : _____ ; <!--line 3 -->
}
_____ <!--line 4 -->
{
Color : Blue;
}
</style>
</head>
```

- (i) लाइन 1 : पेज बैकग्राउंड (Page background) का रंग पीला होना चाहिए।
- (ii) लाइन 2 : पैराग्राफ टेक्स्ट (text) का रंग लाल होना चाहिए।
- (iii) लाइन 3 : पैराग्राफ टेक्स्ट (text) की फॉन्ट फैमिलि (Font family) एरीयल (Arial) होनी चाहिए।
- (iv) लाइन 4 : दूसरी सबसे बड़ी हैडिंग (heading) नीले रंग की होनी चाहिए।

अथवा

- (ख) निम्नलिखित एचटीएमएल कोड (HTML code) से वेब पेज के लिए एक आदेशित (व्यवस्थित) सूची तैयार होने की आशा की जाती है :

2

```
<html>
<body _____ : yellow> <!-- line 1 -->
<p>
<font _____ = Helvetica> <!-- line 2 -->
FESTIVALS OF INDIA
</p>
<_____> <!-- line 3 -->
    <_____>HOLI <_____> <!-- line 4 -->
    <_____>DIWALI <_____> <!-- line 5 -->
<_____> <!-- line 6 -->
```



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.

2

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

- (i) Line 1 : Page background color should be Yellow.
- (ii) Line 2 : Color of the paragraph text should be Red.
- (iii) Line 3 : Font family of the paragraph text should be Arial.
- (iv) Line 4 : The second biggest heading should be Blue in color.

OR

- (b) The following HTML code is expected to create an ordered list for a web page :

2

```
<html>
<body _____ : yellow> <!-- line 1 -->
<p>
<font _____ = Helvetica> <!-- line 2 -->
FESTIVALS OF INDIA
</p>
<_____> <!-- line 3 -->
    <_____>HOLI <_____> <!-- line 4 -->
    <_____>DIWALI <_____> <!-- line 5 -->
<_____> <!-- line 6 -->
```



...

निम्नलिखित विनिर्देशनों के अनुसार रिक्त स्थानों की पूर्ति कर इस कोड को पूरा कीजिए :

- (i) लाइन 1 : वेब पेज (Web page) का बैकग्राउंड रंग पीला होना चाहिए।
- (ii) लाइन 2 : पैराग्राफ के लिए फॉन्ट (font) को हैलवेटिका (Helvetica) होना चाहिए।
- (iii) लाइन 3 और लाइन 6 : एक व्यवस्थित सूची (ordered list) शुरू और समाप्त होनी चाहिए।
- (iv) लाइन 4 और लाइन 5 : व्यवस्थित सूची (ordered list) मदों को सूचीबद्ध करना।

19. वेब सर्वर (Web Server) और वेब क्लाइंट (Web Client) के बीच कोई दो अंतर लिखिए।

2

खण्ड ग

4×3=12

20. निम्नलिखित एचटीएमएल (HTML) स्टेटमेंट्स (statements) उचित रूप से नहीं लिखी गई हैं। रेखांकित संशोधनों के साथ सही स्टेटमेंट्स (statements) दोबारा लिखिए। प्रत्येक स्टेटमेंट (statement) के अपेक्षित प्रयोजन का उल्लेख इसके नीचे किया गया है।

3

- (i) `<BODY image="background.jpg">`
`<!--Page background should display the image named background.jpg-->`
- (ii) ``
`<!--Font should be 5 in size-->`
- (iii) ``
`<!--Image source should be img.jpg and its alternate text should be "An Image">`

21. (क) निम्नलिखित का पूर्ण रूप (full form) लिखिए :

2+1=3

- (i) TCP/IP
- (ii) SSH

अथवा

(ख) दिए गए यूआरएल (URL) पर विचार कीजिए :

<http://www.mypage.com/>

क्या यह सुरक्षित वेबसाइट (website) है ? अपने उत्तर का औचित्य बताइए।

3



...

Complete this code by filling in the blanks as per the specifications that follow :

- (i) Line 1 : Background color of the web page should be Yellow.
- (ii) Line 2 : Font for the paragraph should be Helvetica.
- (iii) Line 3 and Line 6 : An ordered list should start and end.
- (iv) Line 4 and Line 5 : Listing of the ordered list items.

19. Write any two differences between Web Server and Web Client. 2

SECTION C $4 \times 3 = 12$

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. 3

- (i) `<BODY image="background.jpg">`
`<!--Page background should display the image named background.jpg-->`
- (ii) ``
`<!--Font should be 5 in size-->`
- (iii) ``
`<!--Image source should be img.jpg and its alternate text should be "An Image">`

21. (a) Give the full form of the following : $2+1=3$

- (i) TCP/IP
- (ii) SSH

OR

(b) Consider the given URL :

`http://www.mypage.com/`

Is it a secure website ? Justify your answer. 3



22. (क) **<audio>** टैग (tag) का उपयोग करते हुए वैब पेज (web page) में किस प्रकार एक ऑडियो (audio) लगाया (insert) जा सकता है, समझाइए। अपने उत्तर के समर्थन में उदाहरण दीजिए।

3

अथवा

- (ख) एक उद्यमी, अखिल ने मार्केटिंग के उद्देश्य से कुछ वीडियो बनाए हैं। वह अपने ग्राहकों को बढ़ाने के लिए एक वैब पेज (web page) बनाना चाहता है और ऑनलाइन प्लेटफॉर्म पर इन वीडियो को बाँटना चाहता है। दिए गए निर्देशों के अनुसार यह कार्य करने में अखिल की सहायता कीजिए :
- वैब पेज (Web page) में “products.mp4” वीडियो डालने के लिए एचटीएमएल (HTML) का उपयोग करें।
 - ब्राउजर विंडो (Browser window) में 400 पिक्सेल की चौड़ाई और 300 पिक्सेल की ऊँचाई में वीडियो को ऑटोप्ले (Autoplay) करना चाहिए।
 - वीडियो नियंत्रण बटन जैसे – Play, Pause और Volume दिखाई देने चाहिए।
23. (क) वैब पेज (Web page) पर निम्नलिखित टेक्स्ट (text) प्रदर्शित करने के लिए उचित एचटीएमएल स्टेटमेंट्स (HTML statements) लिखिए :
- Ca(OH)_2
 - $2(\text{A}^2 + \text{B}^2)$
- (ख) सीएसएस (CSS) का कोई एक लाभ बताइए।

3

2+1=3

खण्ड घ

24. (क) नीचे दिखाए गए वैब पेज (web page) को तैयार करने के लिए एचटीएमएल (HTML) कोड लिखिए :

4

Student Data Entry Form

Name :

Gender : ☐ Male ☐ Female ☐ Other

Languages : ☐ English ☐ Hindi

Stream:

Science	▼
Science	
Commerce	
Humanities	



...

22. (a) Explain how to insert an audio on a web page using `<audio>` tag.
Give example to support your answer. 3

OR

- (b) Akhil, an entrepreneur, has made some videos for marketing purposes. He wants to create a web page and share these videos to increase his customers on the online platform. Help Akhil to do the same with the given instructions :
- (i) Use HTML to put a video “products.mp4” in the web page.
 - (ii) The video should autoplay in the width of 400 pixels and height 300 pixels in the browser window.
 - (iii) The video controls buttons – Play, Pause and Volume should be visible. 3
23. (a) Write suitable HTML statements to display the following text on a web page :
- (i) Ca(OH)_2
 - (ii) $2(\text{A}^2 + \text{B}^2)$
- (b) Give any one advantage of CSS. 2+1=3

SECTION D

24. (a) Write the HTML code to design the web page as shown below : 4

Student Data Entry Form

Name :

Gender : ☐ Male ☐ Female ☐ Other

Languages : ☐ English ☐ Hindi

Stream:

Science	▼
Science	
Commerce	
Humanities	



नोट :

- पेज (Page) का शीर्षक (title) 'Student Data Entry Form' होना चाहिए।
- वेब पेज (Web page) पर शीर्षक 'Student Data Entry Form' यथासंभव सबसे बड़े आकार का होना चाहिए।

अथवा

(ख) नीचे दिखाए गए अनुसार वेब पेज (web page) तैयार करने के लिए एचटीएमएल (HTML) कोड लिखिए (टेबल का बॉर्डर 1, ऊँचाई=150 और चौड़ाई=350 तथा सेलपैडिंग (cellpadding)=15 होना चाहिए) :

4

JANUARY 2025	
NAME	ATTENDANCE
Abha	Present
Alok	Absent
Teacher: Ms. Anju	

खण्ड ड

केस-स्टडी

2 × 4 = 8

25. सुजाता कक्षा 10 की छात्रा है और उसे अपने अध्यापक को प्रोजेक्ट प्रस्तुत करना है। अपने प्रोजेक्ट कार्य से संबंधित सामग्री प्राप्त करने के लिए वह इंटरनेट का उपयोग करती है और अपनी प्रस्तुति में सामग्री को कॉपी (copy) करके अपना दस्तावेज़ (document) तैयार करती है।

दिए गए प्रकरण अध्ययन (case study) के संदर्भ में, निम्नलिखित प्रश्नों के उत्तर दीजिए :

4

- उस कार्य (act) का क्या नाम है जो सुजाता ने इंटरनेट से अपने प्रोजेक्ट में सामग्री अनुकरण करके किया है ?
- इंटरनेट में उपलब्ध जिस सामग्री की सुजाता नकल कर रही है वह किसी दूसरे व्यक्ति की _____ संपत्ति हो सकती है। [डिजिटल (Digital) / भौतिक (Physical)]
- इंटरनेट से किसी और की सामग्री की नकल करना अच्छा व्यवहार नहीं माना जाता है। इंटरनेट पर अपनाए जाने वाले अच्छे व्यवहार के लिए इस्तेमाल किए जाने वाला शब्द कौन-सा है ?
- सुजाता मूल सामग्री के लेखक के IPR का उल्लंघन कर रही है। IPR का पूर्ण रूप (full form) बताइए।



...

Note :

- The title of the page should be 'Student Data Entry Form'.
- The heading 'Student Data Entry Form' on the web page should be of largest possible size.

OR

- (b) Write the HTML code to design the web page as shown below (Table border should be 1, height=150 and width=350 with cellpadding=15) : 4

JANUARY 2025	
NAME	ATTENDANCE
Abha	Present
Alok	Absent
Teacher: Ms. Anju	

SECTION E
Case-Study

2×4=8

25. Sujata is a class 10 student and has to submit her project work to her teacher. She uses the Internet to find out content related to her project work and prepares her document by copying the contents into her submission.

With respect to the given case study, answer the following questions : 4

- What is the name of the act that Sujata has committed by copying contents from Internet to her projects ?
- The content available over the Internet which Sujata is copying could be another person's _____ property. (Digital/Physical)
- To copy someone else's content from the Internet is not considered as good behaviour. What is the term used for good behaviour that should be followed on the Internet ?
- Sujata is violating IPR of the original content creator. Expand the term IPR.



• • •

26. जेसिका ABC Vision नामक एक छोटी ग्राफ़िक डिज़ाइन कंपनी चलाती है। पैसा बचाने के लिए, उसने लाइसेंस प्राप्त सॉफ्टवेयर खरीदने के बजाय एक लोकप्रिय डिज़ाइन सॉफ्टवेयर के चोरी से प्राप्त वर्जन (pirated version) का उपयोग करने का निर्णय लिया। उसके कानूनी सलाहकार ने उसे चोरी वाले सॉफ्टवेयर के बजाय ओपन सोर्स सॉफ्टवेयर (open source software) के प्रयोग की सलाह दी।

उपर्युक्त प्रकरण अध्ययन (case study) के आधार पर प्रश्नों का उत्तर दीजिए :

4

- (क) ओपन सोर्स सॉफ्टवेयर (open source software) क्या है ?
- (ख) ओपन सोर्स सॉफ्टवेयर (open source software) के कोई दो उदाहरण दीजिए।
- (ग) ओपन सोर्स सॉफ्टवेयर (open source software) के कोई दो लाभ लिखिए।
- (घ) सॉफ्टवेयर लाइसेंस (Software License) शब्द को स्पष्ट कीजिए।



• • •

- 26.** Jessica runs a small graphic design company called ABC Vision. To save money, she decided to use a pirated version of a popular design software instead of buying a licensed software. Her legal advisor told her to go for open source software instead of pirated software.

Answer the questions based on the above case study :

4

- (a) What is open source software ?
- (b) Give any two examples of open source software.
- (c) Mention any two advantages of open source software.
- (d) Define the term “Software License”.



Marking Scheme

Strictly Confidential

(For internal and restricted use only)

Secondary School Examination, 2025

SUBJECT NAME COMPUTER APPLICATIONS (Q.P. CODE 53)

General Instructions:

1	You are aware that evaluation is the most important process in the actual and correct assessment of the candidates. A small mistake in evaluation may lead to serious problems which may affect the future of the candidates, education system and teaching profession. To avoid mistakes, it is requested that before starting evaluation, you must read and understand the spot evaluation guidelines carefully.	
2	“Evaluation policy is a confidential policy as it is related to the confidentiality of the examinations conducted, Evaluation done and several other aspects. Its’ leakage to the public in any manner could lead to derailment of the examination system and affect the life and future of millions of candidates. Sharing this policy/document to anyone, publishing in any magazine and printing in News Paper/Website etc. may invite action under various rules of the Board and IPC.”	
3	Evaluation is to be done as per instructions provided in the Marking Scheme. It should not be done according to one’s own interpretation or any other consideration. Marking Scheme should be strictly adhered to and religiously followed. However, while evaluating answers which are based on latest information or knowledge and/or are innovative, they may be assessed for their correctness otherwise and due marks be awarded to them. In class-X, while evaluating two competency-based questions, please try to understand the given answer and even if the reply is not from the marking scheme but correct competency is enumerated by the candidate, due marks should be awarded.	
4	The Marking Scheme carries only suggested value points for the answers. These are in the nature of Guidelines only and do not constitute the complete answer. The students can have their own expression and if the expression is correct, the due marks should be awarded accordingly.	
5	The Head-Examiner must go through the first five answer books evaluated by each evaluator on the first day, to ensure that evaluation has been carried out as per the instructions given in the Marking Scheme. If there is any variation, the same should be zero after deliberation and discussion. The remaining answer books meant for evaluation shall be given only after ensuring that there is no significant variation in the marking of individual evaluators.	
6	Evaluators will mark(✓) wherever the answer is correct. For wrong answer CROSS ‘X’ be marked. Evaluators will not put right (✓)while evaluating which gives an impression that the answer is correct and no marks are awarded. This is the most common mistake which evaluators are committing.	
7	If a question has parts, please award marks on the right-hand side for each part. Marks awarded for different parts of the question should then be totaled up and written in the left-hand margin and encircled. This may be followed strictly.	
8	If a question does not have any parts, marks must be awarded in the left-hand margin and encircled. This may also be followed strictly.	
9	If a student has attempted an extra question, the answer of the question deserving more marks should be retained and the other answer scored out with a note “Extra Question”.	
10	No marks to be deducted for the cumulative effect of an error. It should be penalized only once.	

11	A full scale of marks 50 marks as given in Question Paper) has to be used. Please do not hesitate to award full marks if the answer deserves it.	
12	Every examiner has to necessarily do evaluation work for full working hours i.e., 8 hours every day and evaluate 20 answer books per day in main subjects and 25 answer books per day in other subjects (Details are given in Spot Guidelines). This is in view of the reduced syllabus and number of questions in question paper.	
13	<p>Ensure that you do not make the following common types of errors committed by the Examiner in the past:-</p> <ul style="list-style-type: none"> • Leaving the answer or part thereof unassessed in an answer book. • Giving more marks for an answer than assigned to it. • Wrong totaling of marks awarded on an answer. • Wrong transfer of marks from the inside pages of the answer book to the title page. • Wrong question wise totaling on the title page. • Wrong totaling of marks of the two columns on the title page. • Wrong grand total. • Marks in words and figures not tallying/not same. • Wrong transfer of marks from the answer book to online award list. • Answers marked as correct, but marks not awarded. (Ensure that the right tick mark is correctly and clearly indicated. It should merely be a line. Same is with the X for incorrect answers.) • Half or a part of the answer marked correct and the rest as wrong, but no marks awarded. 	
14	While evaluating the answer books, if the answer is found to be totally incorrect, it should be marked as cross (X) and awarded zero (0) Marks.	
15	Any unassessed portion, non-carrying over of marks to the title page, or totaling error detected by the candidate shall damage the prestige of all the personnel engaged in the evaluation work as also of the Board. Hence, in order to uphold the prestige of all concerned, it is again reiterated that the instructions be followed meticulously and judiciously.	
16	The Examiners should acquaint themselves with the guidelines given in the “Guidelines for Spot Evaluation” before starting the actual evaluation.	
17	Every Examiner shall also ensure that all the answers are evaluated, marks carried over to the title page, correctly totaled and written in figures and words.	
18	The candidates are entitled to obtain a photocopy of the Answer Book on request on payment of the prescribed processing fee. All Examiners/Additional Head Examiners/Head Examiners are once again reminded that they must ensure that evaluation is carried out strictly as per value points for each answer as given in the Marking Scheme.	

MARKING SCHEME

COMPUTER APPLICATIONS

Max. Marks: 50

General Instructions :

Please read the instructions carefully.

- This question paper has 5 Sections: A, B, C, D, E.
- All questions are **compulsory**. However, internal choices have been provided in some of the questions.
- Section A has 12 questions carrying 1 mark each.
- Section B has 7 Very Short Answer (VSA) type questions carrying 2 marks each.
- Section C has 4 Short Answer (SA) type questions carrying 3 marks each.
- Section D has 1 Long Answer (LA) type question carrying 4 marks.
- Section E has 2 Source-based/Case-based/Passage-based questions carrying 4 marks each.

Section A					12x1=12
(All questions are compulsory)					
1.	Arun is sending an e-mail to his office. Which protocol out of the following options will be used for the purpose ?				1
	(A)	FTP	(B)	HTTP	
	(C)	SMTP	(D)	SCP	
Ans	(C) SMTP				
	(1 mark for writing the correct option)				
2.	Which of the following is not an e-Reservation portal in India ?				1
	(A)	https://www.amazon.in			
	(B)	https://www.yatra.com			
	(C)	https://www.makemytrip.com			
	(D)	https://www.irctc.co.in			
Ans	(A) https://www.amazon.in				
	(1 mark for writing the correct option)				
3.	Which of the following attributes is not a valid attribute of the tag in HTML ?				1
	(A)	face	(B)	type	
	(C)	size	(D)	color	
Ans	(B) type				
	(1 mark for writing the correct option)				

4.	What is the full form of FTP ?			1
	(A)	File Transfer Protocol	(B)	File Transmission Protocol
	(C)	Fast Transfer Protocol	(D)	Fast Transmission Protocol
Ans	(A) File Transfer Protocol			
	(1 mark for writing the correct option)			
5.	Which of the following attributes is not a valid attribute of the <body> tag in HTML?			1
	(A)	text	(B)	background
	(C)	bgcolor	(D)	width
Ans	(D) width			
	(1 mark for writing the correct option)			
6.	Select the correct option to fill in the blank : A _____ is an online platform or website where individuals or businesses regularly publish articles/journals, known as posts, on various topics.			1
	(A)	Brower	(B)	Blog
	(C)	News Group	(D)	Web Server
Ans	(B) Blog			
	(1 mark for writing the correct option)			
7.	The default value for the type attribute of an Unordered List in HTML is :			1
	(A)	circle	(B)	disc
	(C)	square	(D)	triangle
Ans	(B) disc			
Ans	(1 mark for writing the correct option)			
8.	Which of the following is not a Search Engine available over the Internet ?			1
	(A)	Google	(B)	Bing
	(C)	Diksha	(D)	Yahoo
	(C) Diksha			
Ans	(1 mark for writing the correct option)			
9.	Which of the following options is a network protocol that enables secure and encrypted file transfers between a client and a server ?			1
	(A)	SFTP	(B)	Telnet
	(C)	SCP	(D)	HTTP

Ans	(A) SFTP	
	(1 mark for writing the correct option)	
10.	Which of the following options will set the font family of all paragraphs to 'Arial' ? (A) <code><style> p { font-family : Arial; } </style></code> (B) <code><style> p { fontfamily: Arial; } </style></code> (C) <code><style> p { font: Arial; } </style></code> (D) <code><style> p { font-type: Arial; } </style></code>	1
Ans	(A) <code><style> p { font-family: Arial; } </style></code>	
	(1 mark for writing the correct option)	
<p>Questions No. 11 and 12 are Assertion and Reason type questions. Each question consists of two statements, namely, Assertion (A) and Reason (R). Select the most suitable option considering the Assertion and Reason.</p> <p>(A) Both Assertion (A) and Reason (R) are true and Reason (R) is the correct explanation of Assertion (A). (B) Both Assertion (A) and Reason (R) are true, but Reason (R) is not the correct explanation of Assertion (A). (C) Assertion (A) is true, but Reason (R) is false. (D) Assertion (A) is false, but Reason (R) is true.</p>		
11.	Assertion (A) : FTP is a networking protocol used for transferring files. Reason (R) : FTP is used when we want to view some data from a website.	1
Ans	(C) Assertion (A) is true, but Reason (R) is false.	
	(1 mark for writing the correct option)	
12.	Assertion (A) : SMS is an acronym for Smart Message Service. Reason (R) : SMS is the most common technology for delivering short, concise and important messages quickly.	1
Ans	(D) Assertion (A) is false, but Reason (R) is true.	
	(1 mark for writing the correct option)	
SECTION B		7x2=14
13.	What is a Digital Property ? Write any two examples of digital property.	2
Ans	Digital property is data or assets belonging to an individual or an organization, which is in digital form. OR Digital property is an intellectual property (IP), which is in digital form. OR Digital property refers to any digital asset or online resource that an individual or entity owns or controls.	
	Any two examples from the following : • Text, Image, Audio or Video content on a system or website OR	

	<ul style="list-style-type: none"> Any other correct example or alternative names for the ones mentioned in the above list. 	
	<i>(1 mark for writing the correct explanation of Digital Property)</i> <i>(½ mark each for writing any two correct example of Digital Property)</i>	
14.	(a) What is e-Shopping ? Write names of any two commonly used e-Shopping portals.	2
Ans	<p>e-Shopping is the process of sale and purchase of products/services in Online mode.</p> <p>Any two commonly used e-Shopping portals from the following: Bigbasket, Blinkit, Flipkart, eBay, Amazon, Zomato, Swiggy, Myntra, Tataneu, Nyka, Zepto, Urban Company or any other commonly used e-shopping portal.</p>	
	<i>(1 mark for writing the correct meaning of e-Shopping)</i> <i>(½ mark each for writing any two correct name of e-Shopping portal)</i>	
	OR	
	(b) What is a Social Network ? Write names of any two popular social networking sites on the Internet.	
Ans	<p>Social Network is an online platform where people connect, share and interact with each other.</p> <p>Any two popular social networking sites are :</p> <ul style="list-style-type: none"> Linkedin Facebook Instagram X <p>OR</p> <p>Any other popular social networking site</p>	
	<i>(1 mark for writing the correct explanation of Social Network)</i> <i>(½ mark each for writing any two correct names of a Social Networking Site)</i>	
15.	<p>State whether the following statements are True or False :</p> <p>(i) <code><h1></code> is the highest level of heading and <code><h4></code> is the lowest level of heading in HTML.</p> <p>(ii) A visited link is purple coloured by default in HTML.</p> <p>(iii) The character ' #' is used to start a comment text in HTML.</p> <p>(iv) <code></code> is an empty tag in HTML as it does not need to be closed.</p>	2
Ans	<p>(i) False</p> <p>(ii) True</p> <p>(iii) False</p> <p>(iv) False</p>	
	<i>(½ mark for writing each correct answer)</i>	
16.	<p>(a) Write the HTML code to create a link to the web page having URL as : www.festivals.com/india/diwali.html The mentioned web page should get opened in a new window/tab on clicking the text, 'FESTIVALS'.</p>	2

Ans	<p>(a) <code>FESTIVALS</code> OR <code>FESTIVALS</code></p>	
	<p>(½ mark for writing <code><a</code>) (½ mark for writing <code>href="www.festivals.com/india/diwali.html"</code>) (½ mark for writing <code>target="_blank"</code>) (½ mark for writing <code>FESTIVALS</code>)</p>	
	<p style="text-align: center;">OR</p> <p>(b) (i) Write HTML code to display the following line of text in bold and italics. <i>Happiness is not by chance, but by choice.</i></p> <p>(ii) Write the HTML code to set the background color of the web page as blue.</p>	
Ans	<p>(i) <code><i> Happiness is not by chance, but by choice.</i></code> OR <code> Happiness is not by chance, but by choice. </code></p> <p>(ii) <code><body bgcolor="blue"></code> OR <code><body style = "background-color:blue;"></code> OR <code><style> body { background-color:blue;} </style></code></p>	
	<p>(½ mark for writing correct code with bold/strong in part (i)) (½ mark for writing correct code with italics/em in part (i))</p> <p>(½ mark for writing <i>body</i> in part (ii)) (½ mark for writing <i>bgcolor</i> in part (ii)) OR (1 mark for writing <code><style>body{ background-color:blue;}</style></code>)</p>	
17.	<p>Write the purpose of the following HTML tags :</p> <p>(i) <code>
</code> (ii) <code><DL></code></p>	2
Ans	<p>(i) <code>
</code> : The <code>
</code> tag inserts a line break (ii) <code><DL></code> : The <code><DL></code> tag defines a description list</p>	
	<p>(1 mark for writing each correct purpose)</p>	
18.	<p>(a) An incomplete CSS code within <code><head> . . . </head></code> is given below. Complete this code by filling in the blanks as per the specifications that follow.</p>	2

	<pre> <head> <style> body { _____ : _____ ; } <!--line 1 --> p { _____ : _____ ; <!--line 2 --> _____ : _____ ; <!--line 3 --> } _____ <!--line 4 --> { Color : Blue; } </style> </head> </pre> <p>(i) Line 1 : Page background color should be Yellow. (ii) Line 2 : Color of the paragraph text should be Red. (iii) Line 3 : Font family of the paragraph text should be Arial. (iv) Line 4 : The second biggest heading should be Blue in color.</p>	
Ans	<p>(a) (i) <code>background-color : yellow;</code> OR <code>background-color: #ffff00;</code> OR <code>background-color: rgb(255, 255, 0);</code> (ii) <code>color : red</code> OR <code>color: #ff0000;</code> OR <code>color: rgb(255, 0, 0);</code> (iii) <code>font-family : arial</code> (iv) <code>h2</code></p>	
	(½ mark for writing each correct missing statement)	
	<p style="text-align: center;">OR</p> <p>(b) The following HTML code is expected to create an ordered list for a web page :</p> <pre> <html> <body _____ : yellow> <!-- line 1 --> <p> <!-- line 2 --> FESTIVALS OF INDIA </p> <_____> <!-- line 3 --> <_____>HOLI <_____> <!-- line 4 --> <_____>DIWALI <_____> <!-- line 5 --> <_____> <!-- line 6 --> </pre> <p>Complete this code by filling in the blanks as per the specifications that follow :</p> <p>(i) Line 1 : Background color of the web page should be Yellow. (ii) Line 2 : Font for the paragraph should be Helvetica. (iii) Line 3 and Line 6 : An ordered list should start and end. (iv) Line 4 and Line 5 : Listing of the ordered list items.</p>	2

Ans	(b) (i) bgcolor= OR style= "background-color: (ii) face (iii) ol and /ol (iv) li and /li													
	(½ mark for writing each correct missing statement)													
19.	Write any two differences between Web Server and Web Client.	2												
Ans	<table><tr><td>Web Server</td><td>Web Client</td></tr><tr><td>A web server's primary function is to host and serve web content.</td><td>A web client, typically a web browser, is used by users to request and view web content.</td></tr><tr><td>It stores, processes, and delivers web pages and other content (like images, scripts, and stylesheets) to clients over the internet.</td><td>It sends requests to web servers for specific-resources, such as web pages, and displays the content received from the server.</td></tr><tr><td>It listens for requests from clients, processes those requests, and sends back the appropriate responses.</td><td>Web clients handle user interactions, like form submissions and navigation.</td></tr><tr><td>When a request is received, the web server processes it and responds with the requested data or a status message (like an error if the resource is not found).</td><td>It receives the response from the server, processes it (rendering web pages), and provides an interface for user interaction.</td></tr><tr><td>Apache, Nginx, IIS, LiteSpeed, Caddy, Tomcat, Node.js, Cherokee, Hiawatha, OpenLiteSpeed</td><td>Google Chrome, Chromium, Mozilla Firefox, Microsoft Edge, Apple Safari, Opera</td></tr></table> <p>OR</p> <p>Any 2 valid differences/examples</p>	Web Server	Web Client	A web server's primary function is to host and serve web content.	A web client, typically a web browser, is used by users to request and view web content.	It stores, processes, and delivers web pages and other content (like images, scripts, and stylesheets) to clients over the internet.	It sends requests to web servers for specific-resources, such as web pages, and displays the content received from the server.	It listens for requests from clients, processes those requests, and sends back the appropriate responses.	Web clients handle user interactions, like form submissions and navigation.	When a request is received, the web server processes it and responds with the requested data or a status message (like an error if the resource is not found).	It receives the response from the server, processes it (rendering web pages), and provides an interface for user interaction.	Apache, Nginx, IIS, LiteSpeed, Caddy, Tomcat, Node.js, Cherokee, Hiawatha, OpenLiteSpeed	Google Chrome, Chromium, Mozilla Firefox, Microsoft Edge, Apple Safari, Opera	
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Apache, Nginx, IIS, LiteSpeed, Caddy, Tomcat, Node.js, Cherokee, Hiawatha, OpenLiteSpeed	Google Chrome, Chromium, Mozilla Firefox, Microsoft Edge, Apple Safari, Opera													
	(1 mark for writing each of the any two correct differences)													
SECTION C		4x3=12												
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 image="background.jpg"> <!--Page background should display the image named background.jpg--> (ii) <!--Font should be 5 in size--> (iii) <!--Image source should be img.jpg and its alternate text should be "An Image">	3												
Ans	(i) <BODY <u>background</u> ="background.jpg"> (ii) <FONT <u>size</u> ="5"> (iii) alt</u> ="An Image">													
	(1 mark for writing each correction)													

21.	(a) Give the full form of the following : (i) TCP/IP (ii) SSH	2+1 =3
Ans	(a) (i) TCP/IP - Transmission Control Protocol/Internet Protocol (ii) SSH - Secure Shell	
	<i>(½ mark for Transmission Control, ½ mark for Protocol) (½ mark for Internet, ½ mark for Protocol) (½ mark for Secure, ½ mark for Shell)</i>	
	OR	3
	(b) Consider the given URL : <code>http://www.mypage.com/</code> Is it a secure website ? Justify your answer.	
Ans	(b) No. It should use <code>https</code> protocol to be a secure website.	
	<i>(1 mark for writing No as the correct answer) (2 marks for writing the correct justification)</i>	
22.	(a) Explain how to insert an audio on a web page using <code><audio></code> tag. Give example to support your answer.	3
Ans	(a) <code><audio></code> tag is used to embed the audio in a web page in the following manner (considering the audio file songs.mp3 to be embedded): <code><audio controls> <source src ="songs.mp3"></code> OR <code><embed></code> tag is used to insert audio in a web page in the following manner (considering the audio file songs.mp3 to be embedded): <code><embed src="songs.mp3"></code>	
	<i>(Full 3 marks for writing correct example to illustrate use of <code><audio></code> or <code><embed></code> tag)</i> OR <i>(Full 3 marks for writing correct example to insert/embed an audio on a web page using any other valid tag)</i> OR <i>(Only 2 marks for explaining the <code><audio></code>/<code><embed></code> tag without any supporting example.)</i>	
	OR	3
	(b) Akhil, an entrepreneur, has made some videos for marketing purposes. He wants to create a web page and share these videos to increase his customers on the online platform. Help Akhil to do the same with the given instructions :	

	<p>(i) Use HTML to put a video “products.mp4” in the web page.</p> <p>(ii) The video should autoplay in the width of 400 pixels and height 300 pixels in the browser window.</p> <p>(iii) The video controls buttons - Play, Pause and Volume should be visible.</p>	
Ans	<p>(b) <code><video width = "400" height = "300" controls ></code> <code><source src = "products.mp4" ></code> <code></video></code></p> <p>OR</p> <p><code><embed src="products.mp4" width = "400" height = "300"></code></p>	
	<p>(For answer of first method of part (b))</p> <p>½ mark for video tag</p> <p>½ mark for specifying width</p> <p>½ mark for specifying height</p> <p>½ mark for controls</p> <p>½ mark for source tag</p> <p>½ mark for specifying src)</p> <p>OR</p> <p>(For answer using second method of part (b))</p> <p>1 mark for embed tag</p> <p>½ mark for specifying width</p> <p>½ mark for specifying height</p> <p>1 mark for specifying src)</p>	
23.	<p>(a) Write suitable HTML statements to display the following text on a web page:</p> <p>(i) Ca (OH)_2</p> <p>(ii) $2 (\text{A}^2 + \text{B}^2)$</p>	2+1 =3
Ans	<p>(a) (i) <code>Ca (OH) <sub>2</sub></code></p> <p>OR</p> <p><code>Ca (OH) 2</code></p> <p>(ii) <code>2 (A<sup>2</sup> + B<sup>2</sup>)</code></p> <p>OR</p> <p><code>2(A2 + B2)</code></p>	
	(1 Mark for writing each correct statement)	
	(b) Give any one advantage of CSS.	
Ans	<p>(Any one)</p> <ul style="list-style-type: none"> It makes it easy to manage and design a website. allows you to separate the content of a web page from its design or presentation. <p>OR</p> <p>Any other one valid advantage</p>	
	(1 mark for writing correct advantage)	

SECTION D

24. (a) Write the HTML code to design the web page as shown below :

4

Student Data Entry Form

Name:

Gender: ☐ Male ☐ Female ☐ Other

Languages: ☐ English ☐ Hindi

Stream:

Science V

Science

Commerce

Humanities

Submit

Note :

- The title of the page should be 'Student Data Entry Form'.
- The heading 'Student Data Entry Form' on the web page should be of largest possible size.

Ans

```
<html>
<head>
  <title>Data Entry Form</title>
</head>
<body>
  <h1><b>Student Data Entry Form</b></h1>
  <form>
    Name:
    <input type="text">
    <br>
    Gender:
    <input type="radio" name="gender" value="Male">
    Male
    <input type="radio" name="gender" value="Female">
    Female
    <input type="radio" name="gender" value="Other">
    Other
    <br>
    Languages:
    <input type="checkbox" value="English">
    English
    <input type="checkbox" value="Hindi">
    Hindi
    <br>
    Stream:
    <select name="stream">
      <option value="Science">Science</option>
      <option value="Commerce">Commerce</option>
      <option value="Humanities">Humnnities</option>
    </select>
    <br>
    <input type="submit"> OR <button>Submit</button>
  </form>
</body>
```

	<p>(½ mark for the title of the page)</p> <p>(½ mark for the heading using <code><h1></code> tag)</p> <p>(½ mark for the correct placing of <code><form></code> tag)</p> <p>(½ mark for writing correct code for generating Textbox)</p> <p>(½ mark for writing correct code for generating Radio buttons)</p> <p>(½ mark for writing correct code for generating Checkbox)</p> <p>(½ mark for writing correct code for generating List input)</p> <p>(½ mark for writing correct code for generating Submit button)</p>											
	<p style="text-align: center;">OR</p> <p>(b) Write the HTML code to design the web page as shown below (Table border should be 1, height=150 and width=350 with cellpadding=15) :</p> <table border="1"><tr><td colspan="2">JANUARY 2025</td></tr><tr><td>NAME</td><td>ATTENDANCE</td></tr><tr><td>Abha</td><td>Present</td></tr><tr><td>Alok</td><td>Absent</td></tr><tr><td colspan="2">Teacher: Ms. Anju</td></tr></table>	JANUARY 2025		NAME	ATTENDANCE	Abha	Present	Alok	Absent	Teacher: Ms. Anju		
JANUARY 2025												
NAME	ATTENDANCE											
Abha	Present											
Alok	Absent											
Teacher: Ms. Anju												
Ans	<pre><html> <body> <table border=1 height=150 width=350 cellpadding=15> <tr> <td colspan=2><center>JANUARY 2025</center></td> </tr> OR <th colspan=2>JANUARY 2025</th> </tr> <tr> <td>NAME </td> OR <th>NAME </th> <td>ATTENDANCE </td> OR <th>ATTENDANCE </th> </tr> <tr> <td>Abha </td> <td>Present</td> </tr> <tr> <td>Alok </td> <td>Absent </td> </tr> <tr> <td colspan=2>Teacher: Ms. Anju</td> </tr> </table> </body> </html></pre>											
	<p>(½ mark for correct <code><table></code> and its corresponding <code></table></code> tags)</p> <p>(½ mark for correct attributes of <code><table></code> tag)</p> <p>(½ mark for writing the correct <code>td/th</code> with <code>colspan=2</code> for the first row)</p> <p>(½ mark for writing the correct description for the first row)</p> <p>(½ mark for writing the correct <code>td/th</code> with headings for the columns)</p> <p>(½ mark for writing the correct <code>td</code> with description for the second row)</p> <p>(½ mark for writing the correct <code>td</code> with <code>colspan=2</code> for the last row)</p> <p>(½ mark for writing the correct description for the last row)</p>											

SECTION E		
Case-Study		2X4=8
25.	<p>Sujata is a class 10 student and has to submit her project work to her teacher. She uses the Internet to find out content related to her project work and prepares her document by copying the contents into her submission.</p> <p>With respect to the given case study, answer the following questions :</p> <p>(i) What is the name of the act that Sujata has committed by copying contents from Internet to her projects ?</p> <p>(ii) The content available over the Internet which Sujata is copying could be another person's _____ property. (Digital/Physical)</p> <p>(iii) To copy someone else's content from the Internet is not considered as good behaviour. What is the term used for good behaviour that should be followed on the Internet ?</p> <p>(iv) Sujata is violating IPR of the original content creator. Expand the term IPR.</p>	4
Ans	<p>(i) Plagiarism (OR Copyright Infringement OR Piracy)</p> <p>(ii) Digital</p> <p>(iii) Netiquette OR Cyber Ethics OR Internet Etiquette</p> <p>(iv) Intellectual Property Rights</p>	
	<i>(1 mark for writing each correct answer)</i>	
26.	<p>Jessica runs a small graphic design company called ABC Vision. To save money, she decided to use a pirated version of a popular design software instead of buying a licensed software. Her legal advisor told her to go for open source software instead of pirated software.</p> <p>Answer the questions based on the above case study :</p> <p>(a) What is open source software ?</p> <p>(b) Give any two examples of open source software.</p> <p>(c) Mention any two advantages of open source software.</p> <p>(d) Define the term "Software License".</p>	4
Ans	<p>(a) Open Source Software is software that is freely available to use, modify, and distribute. OR Its source code is accessible to anyone, allowing users to contribute to its development and improve it collaboratively.</p> <p>(b) Linux, Python, Libre Office, Apache Open Office, Mozilla Firefox</p> <p>(c) (i) source code available (ii) cost effective Note: Any other valid advantages are also accepted.</p> <p>(d) Software licences are legal agreements that specify how software can be used, modified, and distributed. They outline the terms and conditions under which users are allowed to operate the software.</p>	
	<p><i>(1 mark for writing each correct answer)</i></p> <p>Note: <i>(Full 2 marks to be awarded for writing either of part (a) or part (c) correctly)</i></p>	