

### ### Introduction to HTML5

1. **\*\*Which of the following is a new feature introduced in HTML5?\*\***

- A) `<table>`
- B) `<div>`
- C) `<header>`
- D) `<span>`
- **\*\*Answer: C) `<header>`\*\***

2. **\*\*What does HTML stand for?\*\***

- A) Hyperlinks and Text Markup Language
- B) Home Tool Markup Language
- C) Hyper Text Markup Language
- D) Hyperlinking Text Mark Language
- **\*\*Answer: C) Hyper Text Markup Language\*\***

3. **\*\*Which HTML5 element is used to define navigation links?\*\***

- A) `<navigation>`
- B) `<nav>`
- C) `<links>`
- D) `<navigate>`
- **\*\*Answer: B) `<nav>`\*\***

### ### HTML5 Syntax and Structure

4. **\*\*Which of the following is the correct HTML5 doctype declaration?\*\***

- A) `<!DOCTYPE HTML5>`

- B) `<!DOCTYPE html>`
- C) `<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 5.0//EN">`
- D) `<!DOCTYPE html5>`
- **Answer: B) `<!DOCTYPE html>`**

5. **Which element is used to define a section in a document?**

- A) `

`
- B) `

`
- C) `

`
- D) ``
- **Answer: B) `

`**

6. **What is the purpose of the `

` element in HTML5?**

- A) To define a part of a website
- B) To define a section in a document
- C) To define self-contained content
- D) To define navigation links
- **Answer: C) To define self-contained content**

### ### Forms in HTML5

7. **Which input type is used to create a slider control?**

- A) `- B) `- C) `- D) `- **Answer: B) `**

8. **\*\*Which HTML5 input type is used for selecting a date?\*\***

- A) `<input type="calendar">`
- B) `<input type="datetime">`
- C) `<input type="date">`
- D) `<input type="time">`
- **\*\*Answer: C) `<input type="date">`**

9. **\*\*What attribute is used to ensure that a form field must be filled out before submitting?\*\***

- A) `required`
- B) `pattern`
- C) `mandatory`
- D) `validate`
- **\*\*Answer: A) `required`**

### ### Multimedia in HTML5

10. **\*\*Which element is used to embed video content in HTML5?\*\***

- A) `<media>`
- B) `<video>`
- C) `<embed>`
- D) `<movie>`
- **\*\*Answer: B) `<video>`**

11. **\*\*Which attribute of the `<audio>` element specifies that audio playback should start as soon as it is loaded?\*\***

- A) `controls`

- B) `autoplay`
- C) `preload`
- D) `loop`
- \*\*Answer: B) `autoplay`\*\*

12. \*\*Which attribute is used to control whether the audio should play repeatedly?\*\*

- A) `autoplay`
- B) `loop`
- C) `repeat`
- D) `controls`
- \*\*Answer: B) `loop`\*\*

### ### Canvas and SVG

13. \*\*Which element is used to draw graphics on a web page in HTML5?\*\*

- A) ``
- B) ``
- C) ``
- D) ``
- \*\*Answer: C) ``\*\*

14. \*\*What does SVG stand for?\*\*

- A) Scalable Vector Graphics
- B) Structured Vector Graphics
- C) Styled Vector Graphics
- D) Simple Vector Graphics

- \*\*Answer: A) Scalable Vector Graphics\*\*

15. \*\*Which attribute is used to define the width of a `` element?\*\*

- A) `length`
- B) `size`
- C) `width`
- D) `dimension`

- \*\*Answer: C) `width`\*\*

### ### Local Storage and Web Storage

16. \*\*Which HTML5 feature allows storing data in the browser with no expiration date?\*\*

- A) `sessionStorage`
- B) `localStorage`
- C) `cookie`
- D) `webStorage`

- \*\*Answer: B) `localStorage`\*\*

17. \*\*Which method is used to set an item in localStorage?

- A) `localStorage.addItem()`
- B) `localStorage.setItem()`
- C) `localStorage.putItem()`
- D) `localStorage.createItem()`

- \*\*Answer: B) `localStorage.setItem()`\*\*

18. \*\*How do you retrieve an item from `sessionStorage`?

- A) `sessionStorage.getItem()`
- B) `sessionStorage.retrieveItem()`
- C) `sessionStorage.fetchItem()`
- D) `sessionStorage.loadItem()`
- \*\*Answer: A) `sessionStorage.getItem()`\*\*

### ### Geolocation and Web Workers

19. \*\*Which API is used to get the geographical location of a user?\*\*

- A) GeoAPI
- B) LocationAPI
- C) Geolocation API
- D) Navigator API
- \*\*Answer: C) Geolocation API\*\*

20. \*\*What is the purpose of Web Workers in HTML5?\*\*

- A) To manage web servers
- B) To run scripts in background threads
- C) To handle web forms
- D) To manage multimedia elements
- \*\*Answer: B) To run scripts in background threads\*\*

21. \*\*Which method is used to start a Web Worker?

- A) `worker.start()`
- B) `worker.begin()`
- C) `new Worker()`
- D) `worker.initialize()`

- \*\*Answer: C) `new Worker()`

### ### Responsive Web Design

22. \*\*What is the primary purpose of responsive web design?\*\*

- A) To create multiple versions of a website
- B) To make websites work on all devices and screen sizes
- C) To optimize images for the web
- D) To improve SEO rankings

- \*\*Answer: B) To make websites work on all devices and screen sizes\*\*

23. \*\*Which CSS feature is commonly used to create responsive layouts?\*\*

- A) Grid Layout
- B) Flexbox
- C) Media Queries
- D) CSS Variables

- \*\*Answer: C) Media Queries\*\*

24. \*\*Which viewport meta tag is essential for responsive web design?\*\*

- A) `

- B) `

- C) `

- D) `

- \*\*Answer: A) `

### ### Web Accessibility

25. **\*\*Which attribute helps improve web accessibility by providing alternative text for images?\*\***

- A) `alt`
- B) `title`
- C) `src`
- D) `href`
- **\*\*Answer: A) `alt`\*\***

26. **\*\*What is ARIA used for in web development?\*\***

- A) To style HTML elements
- B) To add functionality to HTML elements
- C) To enhance accessibility for people with disabilities
- D) To improve performance of web applications
- **\*\*Answer: C) To enhance accessibility for people with disabilities\*\***

27. **\*\*Which HTML5 element is used to improve accessibility by defining a section of navigation links?\*\***

- A) `

`
- B) `

`
- C) ``
- D) ``
- **\*\*Answer: C) ``\*\***

### ### Cross-Browser Compatibility

28. **\*\*What is a common method to ensure HTML5 features work in older browsers?\*\***



- A) Using CSS Grid
- B) Using HTML5 shiv
- C) Using Bootstrap
- D) Using jQuery
- **\*\*Answer: B) Using HTML5 shiv\*\***

29. **\*\*Which tool can help test how websites look on different browsers?\*\***

- A) BrowserStack
- B) VS Code
- C) Photoshop
- D) GitHub
- **\*\*Answer: A) BrowserStack\*\***

30. **\*\*What does “graceful degradation” mean in web development?\*\***

- A) The website’s performance improves in newer browsers
- B) The website maintains functionality in older browsers even if some advanced features are not supported
- C) The website degrades over time
- D) The website does not support older browsers
- **\*\*Answer: B) The website maintains functionality in older browsers even if some advanced features are not supported\*\***

### ### Best Practices and Optimization

31. **\*\*What is one of the best practices for writing maintainable HTML5 code?\*\***

- A) Using inline styles
- B) Using meaningful element names and structure

- C) Avoiding comments
- D) Writing as much code as possible in a single line
- **\*\*Answer: B) Using meaningful element names and structure\*\***

32. **\*\*Which tool is often used to minify HTML files?\*\***

- A) Beautify
- B) Uglify
- C) HTMLMinifier
- D) Gulp
- **\*\*Answer: C) HTMLMinifier\*\***

33. **\*\*Why is it important to optimize images for the web?\*\***

- A) To make them look better
- B) To reduce the file size and improve page load times
- C) To change their colors
- D) To increase their resolution
- **\*\*Answer: B) To reduce the file size and improve page load times\*\***

### ### Integration with CSS and JavaScript

34. **\*\*Which CSS feature allows the layout to adjust to different screen sizes?\*\***

- A) CSS Grid
- B) Flexbox
- C) Media Queries
- D) Pseudo-classes
- **\*\*Answer: C) Media Queries\*\***

35. **\*\*How can JavaScript be included in an HTML5 document?\*\***

- A) Using the ``<script>`` element
- B) Using the ``<javascript>`` element
- C) Using the ``<style>`` element
- D) Using the ``<code>`` element
- **\*\*Answer: A) Using the ``<script>`` element\*\***

36. **\*\*What is the purpose of the `defer` attribute in the ``<script>`` tag?\*\***

- A) To load the script immediately
- B) To load the script only when the user clicks a button
- C) To load the script after the HTML document has been parsed
- D) To load the script before the HTML document is parsed
- **\*\*Answer: C) To load the script after the HTML document has been parsed\*\***

### ### Additional Questions

37. **\*\*Which HTML5 element is used to define a footer for a document or section?\*\***

- A) ``<bottom>``
- B) ``<footer>``
- C) ``<section>``
- D) ``<aside>``
- **\*\*Answer: B) ``<footer>``\*\***

38. **\*\*Which element is used for important text that should be highlighted?\*\***

- A) `**<b>**`
- B) `**<strong>**`
- C) `<mark>`
- D) `*<em>*`
- \*\*Answer: C) `<mark>`\*\*

39. \*\*What is the purpose of the `` element in HTML5?\*\*

- A) To contain a mathematical formula
- B) To contain self-contained content, such as images with captions
- C) To contain a table
- D) To contain a video
- \*\*Answer: B) To contain self-contained content, such as images with captions\*\*

40. \*\*Which new HTML5 element is used to represent a dialog box or window?\*\*

- A) `

<popup>
- B) `

<modal>
- C) `

<dialog>
- D) `

<window>
- \*\*Answer: C) `

<dialog>

`\*\*

41. \*\*How do you specify that a video should display controls such as play, pause, and volume?\*\*

- A) `

<video showcontrols>
- B) `

<video controls>
- C) `

<video displaycontrols>
- D) `

<video control>

- \*\*Answer: B) ``<video controls>``\*\*

42. \*\*What attribute is used to specify the URL of an audio file in the ``<audio>` element?\*\*

- A) ``src``
- B) ``url``
- C) ``href``
- D) ``path``

- \*\*Answer: A) ``src``\*\*

43. \*\*Which method is used to remove an item from ``localStorage``?

- A) ``localStorage.remove()``
- B) ``localStorage.delete()``
- C) ``localStorage.removeItem()``
- D) ``localStorage.clearItem()``

- \*\*Answer: C) ``localStorage.removeItem()``\*\*

44. \*\*Which attribute of the ``<form>` element is used to specify the URL to send form data to?

- A) ``action``
- B) ``method``
- C) ``target``
- D) ``enctype``

- \*\*Answer: A) ``action``\*\*

45. \*\*Which method is used to clear all data from ``localStorage``?

- A) ``localStorage.clear()``
- B) ``localStorage.removeAll()``

- C) ``localStorage.deleteAll()`
- D) ``localStorage.empty()`
- **\*\*Answer: A) ``localStorage.clear()`\*\***

46. **\*\*How can you ensure that an input field only accepts email addresses?\*\***

- A) ``<input type="text" pattern="\w+@\w+\.\w{2,3}">`
- B) ``<input type="email">`
- C) ``<input type="url">`
- D) ``<input type="text" format="email">`
- **\*\*Answer: B) ``<input type="email">`\*\***

47. **\*\*Which element is used to define a caption for a ``<figure>` element?\*\***

- A) ``<caption>`
- B) ``<figcaption>`
- C) ``<legend>`
- D) ``<title>`
- **\*\*Answer: B) ``<figcaption>`\*\***

48. **\*\*Which HTML5 element is used for marking up navigation links?\*\***

- A) ``<nav>`
- B) ``<ul>`
- C) ``<menu>`
- D) ``<footer>`
- **\*\*Answer: A) ``<nav>`\*\***

49. **\*\*How do you specify a placeholder for an input field?\*\***

- A) `default`
- B) `hint`
- C) `placeholder`
- D) `tooltip`
- \*\*Answer: C) `placeholder`\*\*

50. \*\*What attribute is used to provide a hint to the user about what can be entered in the `` field?\*\*

- A) `hint`
- B) `tooltip`
- C) `placeholder`
- D) `value`
- \*\*Answer: C) `placeholder`\*\*

51. \*\*Which attribute of the `` element specifies that an input field must be filled out before submitting the form?\*\*

- A) `validate`
- B) `required`
- C) `mandatory`
- D) `pattern`
- \*\*Answer: B) `required`\*\*

52. \*\*Which method is used to find the current geographic location of a user?\*\*

- A) `navigator.getCurrentPosition()`
- B) `navigator.geolocation.getCurrentPosition()`
- C) `navigator.getLocation()`
- D) `navigator.geolocation.getPosition()`

- \*\*Answer: B) `navigator.geolocation.getCurrentPosition()`

53. \*\*Which attribute is used to preload an audio file?\*\*

- A) `preload`

- B) `load`

- C) `buffer`

- D) `cache`

- \*\*Answer: A) `preload`

54. \*\*Which attribute of the `` element specifies that the audio will start playing as soon as it is ready?

- A) `autoplay`

- B) `loop`

- C) `controls`

- D) `play`

- \*\*Answer: A) `autoplay`

55. \*\*Which attribute is used to specify that an audio file should be played repeatedly?

- A) `autoplay`

- B) `loop`

- C) `controls`

- D) `repeat`

- \*\*Answer: B) `loop`

56. \*\*What attribute is used to define the URL of the video file in the `` element?

- A) `href`



- B) `src`
- C) `url`
- D) `path`
- \*\*Answer: B) `src`\*\*

57. \*\*Which HTML5 element is used for defining self-contained content that could stand alone?\*\*

- A) `

`
- B) `

`
- C) `

`
- D) ``
- \*\*Answer: A) `

`\*\*

58. \*\*What is the main purpose of the `` element in HTML5?\*\*

- A) To define the footer of a document
- B) To define the main content of a document
- C) To define the sidebar content
- D) To define the header of a document
- \*\*Answer: B) To define the main content of a document\*\*

59. \*\*Which attribute in the `

60. **\*\*Which method is used to send data to a server in a form submission?\*\***

- A) `get`
- B) `post`
- C) `send`
- D) `submit`

,

- **\*\*Answer: D) `submit`\*\***

61. **\*\*Which HTML5 element is used to display a scalar measurement within a known range?\*\***

- A) ``
- B) ``
- C) ``
- D) ``

- **\*\*Answer: A) ``\*\***

62. **\*\*Which attribute is used to specify the URL that will process the form data?\*\***

- A) `method`
- B) `action`
- C) `enctype`
- D) `target`

- **\*\*Answer: B) `action`\*\***

63. **\*\*Which element is used to display an interactive control for specifying a value from a range of values?\*\***

- A) `<input type="number">`
- B) `<input type="range">`
- C) `<input type="text">`
- D) `<input type="slider">`
- **Answer: B) `<input type="range">`**

64. **Which element is used to create a drop-down list?**

- A) `<select>`
- B) `<option>`
- C) `<dropdown>`
- D) `<list>`
- **Answer: A) `<select>`**

65. **Which element is used to define a multiline input control?**

- A) `<input type="text">`
- B) `<textarea>`
- C) `<input type="multiline">`
- D) `<multiline>`
- **Answer: B) `<textarea>`**

66. **Which HTML5 element is used to group form elements?**

- A) `<fieldset>`
- B) `<formgroup>`
- C) `<group>`
- D) `<section>`
- **Answer: A) `<fieldset>`**

67. **\*\*What is the purpose of the `<legend>` element in a form?\*\***

- A) To provide a label for a form field
- B) To provide a caption for a `<fieldset>`
- C) To provide a hint for a form field
- D) To provide a title for a form
- **\*\*Answer: B) To provide a caption for a `<fieldset>`\*\***

68. **\*\*Which attribute is used to ensure that a form field must be filled out before submitting the form?\*\***

- A) `required`
- B) `validate`
- C) `mandatory`
- D) `pattern`
- **\*\*Answer: A) `required`\*\***

69. **\*\*What is the correct syntax to create a progress bar in HTML5?\*\***

- A) `<progress value="70" max="100"></progress>`
- B) `<meter value="70" max="100"></meter>`
- C) `<range value="70" max="100"></range>`
- D) `<progress-bar value="70" max="100"></progress-bar>`
- **\*\*Answer: A) `<progress value="70" max="100"></progress>`\*\***

70. **\*\*Which HTML5 element is used to represent a caption for an `<img>` element?\*\***

- A) `<caption>`
- B) `<figcaption>`
- C) `<legend>`
- D) `<title>`

- \*\*Answer: B) ``<figcaption>``\*\*

71. \*\*Which element is used to define an area for content aside from the main content?\*\*

- A) ``<aside>``
- B) ``<section>``
- C) ``<nav>``
- D) ``<footer>``

- \*\*Answer: A) ``<aside>``\*\*

72. \*\*Which attribute specifies that an input field is read-only?\*\*

- A) ``disabled``
- B) ``readonly``
- C) ``locked``
- D) ``static``

- \*\*Answer: B) ``readonly``\*\*

73. \*\*Which element is used to embed another document within the current HTML document?\*\*

- A) ``<embed>``
- B) ``<iframe>``
- C) ``<object>``
- D) ``<frame>``

- \*\*Answer: B) ``<iframe>``\*\*

74. \*\*Which attribute is used to specify an image as a submit button?\*\*

- A) ``type="image"``
- B) ``type="submit"``

- C) `type="button"`
- D) `type="icon"`
- \*\*Answer: A) `type="image"`\*\*

75. \*\*Which attribute of the `` element is used to specify a regular expression for input validation?\*\*

- A) `pattern`
- B) `validate`
- C) `regex`
- D) `required`
- \*\*Answer: A) `pattern`\*\*

76. \*\*Which element is used to represent the result of a calculation in a form?\*\*

- A) ``
- B) ``
- C) ``
- D) ``
- \*\*Answer: A) ``\*\*

77. \*\*Which attribute is used to disable an input field?\*\*

- A) `readonly`
- B) `disabled`
- C) `locked`
- D) `static`
- \*\*Answer: B) `disabled`\*\*

78. **\*\*Which element is used to display text that is no longer accurate or relevant?\*\***

- A) `<ins>`
- B) `<del>`
- C) `<s>`
- D) `<strike>`
- **\*\*Answer: C) `<s>`\*\***

79. **\*\*What does the `<time>` element represent in HTML5?\*\***

- A) A time and/or date
- B) A time interval
- C) A countdown
- D) A timestamp
- **\*\*Answer: A) A time and/or date\*\***

80. **\*\*Which element represents the output of a calculation performed by the user?\*\***

- A) `<output>`
- B) `<result>`
- C) `<calc>`
- D) `<formula>`
- **\*\*Answer: A) `<output>`\*\***

81. **\*\*Which HTML5 element is used to define important text?\*\***

- A) `<b>`
- B) `<strong>`
- C) `<i>`
- D) `<em>`

- \*\*Answer: B) `**`\*\***

82. \*\*Which attribute of the `` element specifies that an input field should have autocomplete enabled?\*\*

- A) `autocomplete`

- B) `autofill`

- C) `autosuggest`

- D) `autofocus`

- \*\*Answer: A) `autocomplete`\*\*

83. \*\*Which attribute of the `` element specifies the maximum number of characters allowed in the input field?\*\*

- A) `maxchars`

- B) `maxlength`

- C) `chars`

- D) `max`

- \*\*Answer: B) `maxlength`\*\*

84. \*\*Which HTML5 element is used to group together related options in a drop-down list?\*\*

- A) ``

- B) ``

- C) ``

- D) ``

- \*\*Answer: A) ``\*\*

85. \*\*What is the purpose of the `novalidate` attribute in a `` element?\*\*



- A) To disable form validation
- B) To disable form submission
- C) To disable form input
- D) To disable form reset
- **\*\*Answer: A) To disable form validation\*\***

86. **\*\*Which element is used to represent a user input in HTML5?\*\***

- A) `<input>`
- B) `<output>`
- C) `<result>`
- D) `<calc>`
- **\*\*Answer: A) `<input>`\*\***

87. **\*\*Which attribute specifies the minimum value for an input field?\*\***

- A) `min`
- B) `minimum`
- C) `value`
- D) `range`
- **\*\*Answer: A) `min`\*\***

88. **\*\*Which attribute of the `<input>` element is used to specify a short hint that describes the expected value of the input field?\*\***

- A) `title`
- B) `hint`
- C) `placeholder`
- D) `value`
- **\*\*Answer: C) `placeholder`\*\***

89. **\*\*Which attribute of the `` element is used to specify the width of an input field?\*\***

- A) `size`
- B) `width`
- C) `cols`
- D) `maxlength`
- **\*\*Answer: A) `size`\*\***

90. **\*\*Which attribute specifies that the input field should automatically get focus when the page loads?\*\***

- A) `autofocus`
- B) `focus`
- C) `auto`
- D) `default`
- **\*\*Answer: A) `autofocus`\*\***

91. **\*\*Which HTML5 element represents a thematic break in the content?\*\***

- A) `  
`
- B) `

---

`
- C) ``
- D) ``
- **\*\*Answer: B) `

---

`\*\***

92. **\*\*Which element represents a section of a document that is intended for user feedback?\*\***

- A) ``
- B) ``

- C) ``<dialog>``
- D) ``<form>``
- **\*\*Answer: B) ``<output>``\*\***

93. **\*\*Which element is used to define a section of a document?\*\***

- A) ``<section>``
- B) ``<div>``
- C) ``<article>``
- D) ``<header>``
- **\*\*Answer: A) ``<section>``**