

Web Development & Design Foundations with HTML5 & CSS3  
Instructor Materials Chapter 11 Test Bank

Multiple Choice. Choose the best answer.

1. Java can be described as:

- a. a more sophisticated form of JavaScript
- b. an object-oriented programming language
- c. a language created by Netscape
- d. none of the above

2. JavaScript can be described as:

- a. an object-based scripting language
- b. an easy form of Java
- c. a language created by Microsoft
- d. none of the above

3. Select the true statement from those listed below.

- a. Java applets may be contained in files with the .class extension
- b. Java applets are not copyrighted
- c. Java applets must be saved in a different folder than web pages
- d. All of the statements above are true

4. The file extensions .avi, .m4v, and .ogv are used for:

- a. audio files
- b. video files
- c. Flash media files
- d. none of the above

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5. \_\_\_\_\_ is a JavaScript library intended to simplify client-side scripting:
- a. Ajax
  - b. jQuery
  - c. Flash
  - d. Java
6. The file extensions .wav, .mp3, and .ogg are used for:
- a. audio files
  - b. video files
  - c. Flash media files
  - d. none of the above
7. Select the void element that can configure a Flash .swf on a web page:
- a. **<script>**
  - b. **<embed>**
  - c. **<object>**
  - d. **<img>**
8. Use the \_\_\_\_\_ attribute on a <video> tag to display user controls for the video player.
- a. poster
  - b. player
  - c. controls
  - d. image

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9. When displaying a Java applet, the browser invokes the \_\_\_\_\_ to interpret the bytecode into the appropriate machine language.

- a. Java Virtual Machine (JVM)
- b. JavaScript interpreter
- c. Windows operating system
- d. Java Compiler

10. Select the technology that was developed by a joint effort between Netscape and Sun Microsystems.

- a. Java
- b. JavaScript
- c. Flash
- d. Ajax

11. The \_\_\_\_\_ defines every object and element on a web page.

- a. Document Object Model
- b. Browser
- c. Operating System
- d. None of the above

12. Select the term below which is a protocol that provides a method for software components to communicate, interact, and share data.

- a. JavaScript
- b. Application Programming Interface
- c. Java
- d. Canvas

13. Use the \_\_\_\_\_ attribute on a <video> tag to display an image that represents the movie.

- a. poster
- b. player
- c. controls
- d. image

14. Select the term below which names an HTML5 API that allows web page visitors to share their geographic location.

- a. data
- b. web storage
- c. canvas
- d. geolocation

15. The term Ajax stands for

- a. **Asynchronous Java and ActionScript**
- b. **Asynchronous JavaScript and XML**
- c. **Asynchronous JavaScript and XHTML**
- d. none of the above

16. Select recommended usability and accessibility practices:

- a. use video and sound whenever possible
- b. supply text descriptions of audio and video files that appear in your web pages
- c. never use audio and video files

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- d. none of the above
17. Select the true statement from those listed below.
- a. There is no copyright on the Web
  - b. It is OK to use files created by others if you give them credit.
  - c. You should obtain permission before using files created by others.
  - d. None of the statements above are true.
28. Use \_\_\_\_\_ resolution when recording human speech in an audio file.
- a. 8-bit
  - b. 16-bit
  - c. 212-bit
  - d. 2 million bit
19. In terms of copyright, Fair Use is determined to be
- a. The use of a copyrighted work for purposes such as criticism, reporting, teaching, scholarship, or research.
  - b. The use of anything you find on the web
  - c. Copying other's music and fairly distributing it to your friends
  - d. None of the above
20. The CSS3 \_\_\_\_\_ property allows you to rotate, scale, skew, or move an element.
- a. display
  - b. transform
  - c. transition

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- d. hover
21. The CSS3 \_\_\_\_\_ property provides for changes in property values to display in a smoother manner over a specified time.
- a. display
  - b. transform
  - c. transition
  - d. hover
22. The \_\_\_\_\_ element configures dynamic graphics.
- a. object
  - b. script
  - c. embed
  - d. canvas
23. Use the \_\_\_\_\_ element to associate JavaScript with a web page.
- a. object
  - b. script
  - c. embed
  - d. canvas
24. When coding an audio element, the code placed before the closing audio tag is considered to be:
- a. invalid
  - b. fallback content
  - c. only available to browsers that support HTML5
  - d. none of the above
25. The \_\_\_\_\_ element is used with an object element to provide additional information.

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- a. object
- b. source
- c. param
- d. iframe

26. Scenario: The Firefox browser is being used to display a web page with a video but no video controls display —only the poster image is shown. Read the following code snippet and select the reason for the incorrect display from the choices below.

```
<video controls="controls" poster="sparky.jpg"
  width="160" height="150">
  <source src="sparky.m4v" type="video/mv4">
  <source src="sparky.ogg" type="video/ogg">
  <a href="sparky.mov">Sparky the Dog</a> (.mov)
</video>
```

- a. The controls attribute should be controls="yes"
- b. There are too many source elements.
- c. The file extension .ogg is incorrect.
- d. The MIME type values are incorrect.

27. Scenario: The Internet Explorer 8 browser is being used to display a web page with an audio player but the audio element displays nothing on the page. Read the following code snippet and select the reason for the incorrect display from the choices below.

```
<audio controls="controls">
  <source src="podcast.mp3" type="audio/mpeg">
  <source src="podcast.ogg" type="audio/ogg">
</audio>
```

- a. The controls attribute should be controls="yes"
- b. There are too many source elements.
- c. There is no fallback content to display for browsers that do not support the audio element.
- d. The MIME type values are incorrect.

