



FACULTY OF SCIENCE & ENGINEERING

DEPARTMENT OF COMPUTER SCIENCE SUMMER ASSESSMENT

SAMPLE PAPER

Module Code: CO4227

Module Title: Web Technologies

Date:

Time:

Duration: 1 HOUR

INSTRUCTIONS TO CANDIDATES:

Answer questions on the multiple choice answer paper provided. Correctly answered questions are each worth 2 (two) marks. Incorrectly answered questions will each result in a deduction of 1 (one) mark from the total marks gained. Unanswered questions will receive 0 (zero) marks.

This paper only has 35 questions. Your exam will have 50 questions. The time remains the same, at 1 hour

You are advised only to answer questions to which you know the answer

1. Which of the following is NOT a protocol on which the World Wide Web operates?
 - a) TCP
 - b) AP
 - c) HTTP
 - d) IP
2. HTTP stands for
 - a) Hypermedia Text Transfer Protocol
 - b) HyperText Transfer Protocol
 - c) HTML Text Transfer Protocol
 - d) Hyperlinked Text Transfer Protocol
3. FTP stands for
 - a) File Transfer Protocol
 - b) File Transmission Protocol
 - c) Format Transient Protocol
 - d) First Technology Protocol
4. Which protocol would an email client typically use to retrieve mail from a mail server?
 - a) POP
 - b) SMTP
 - c) MTP
 - d) ETP
5. The <title> element is
 - a) Used to define a HTML document's title, often displayed in a page's tab
 - b) A element used for input for selecting a professional title e.g. Mr, Ms, Dr
 - c) Used to add a caption to an image
 - d) Not a valid HTML element
6. The <video> element is
 - a) Not a valid HTML element
 - b) Used to link to a video file
 - c) Used to embed a video, typically in .mp4 or .ogg format
 - d) Used to apply a cinema style transition between web pages
7. The <html> element
 - a) Should contain the <head> and <body> elements
 - b) Should be located in the <head> element
 - c) Should be located inside a <body> element
 - d) Should be used separately from the <body> and <head> elements

8. Tables in HTML

- a) Are the best format for displaying data which can be 'looked up' using a column or row heading
- b) Can be used as an easy way to maintain page layout across browsers whilst maintaining accessibility
- c) Are the best format for displaying lists of data
- d) Should no longer be used

9. The element

- a) Is used to display a list of terms and what they mean
- b) Is not a valid HTML element
- c) Is used to define a list, commonly displayed using bullets
- d) Is used to define a list, commonly displayed with numbers

```
<a href="map.html">View Map</a>
```

10. In the above extract from a website, 'map.html' is

- a) An attribute
- b) A value
- c) Metadata
- d) The tag name

11. In the above extract from a website, 'href' is

- a) An attribute
- b) A value
- c) Metadata
- d) The tag name

12. In the above extract from a website, 'a' is

- a) An attribute
- b) A value
- c) Metadata
- d) The tag name

13. Alternative 'alt' text is used to provide information about an image when

- a) The user is visually impaired
- b) The browser cannot download the image
- c) The server cannot provide the image when requested
- d) All of the above

14. Semantic is a term that should be associated with

- a) HTML
- b) CSS
- c) Both of the above
- d) None of the above

15. A landscape photo would be most efficiently encoded as which type of image?
- a) JPEG
 - b) GIF
 - c) PNG
 - d) SVG
16. By default, <div> is displayed as
- a) A block element
 - b) An inline element
 - c) An inline-block element
 - d) None of the above
17. By default, <a> is
- a) A block element
 - b) An inline element
 - c) An inline-block element
 - d) None of the above
18. Responsive web refers to:
- a) Web sites which respond to user input
 - b) Web sites that adjust to the type of browser
 - c) Web sites that adjust layout based on screen size
 - d) Web servers that offer low latency
19. In HTML, a 'class' is intended to be applied to
- a) As many elements as required
 - b) As many elements of the same type as required
 - c) Up to 50 elements on a given page
 - d) Only one element on a given page
20. In HTML, an 'id' is intended to be applied to
- a) As many elements as required
 - b) As many elements of the same type as required
 - c) Up to 50 elements on a given page
 - d) Only one element on a given page
21. Which of these demonstrates the correct way to link a style sheet named style.css to a HTML document?
- a)
 - b) <link rel="stylesheet" type="text/css" href="style.css">
 - c) <link rel="text/css" type="stylesheet" href="style.css">
 - d)
22. From the CSS examples below, which one would target a class?
- a) #something {color: red;}
 - b) .something {color: red;}
 - c) \$something {color: red;}
 - d) something {color: red;}

23. The CSS Hexadecimal notation #22EE22 represents a shade of
- a) Blue
 - b) Green
 - c) Red
 - d) Grey
24. The syntax `<!-- text -->` shows the form of a comment in
- a) HTML
 - b) CSS
 - c) Both of the above
 - d) None of the above
25. In the CSS box model, moving from inside to outside of the box, the box's attributes appear in which order?
- a) Content, Margin, Padding, Border
 - b) Content, Padding, Margin, Border
 - c) Content, Border, Margin, Padding
 - d) Content, Padding, Border, Margin
26. Data protection legislation affects personal information in the following way
- a) It may not be transferred out of the country
 - b) It may not be transferred out of the country without the subject's permission
 - c) It may not be transferred out of the country without adequate protection
 - d) It may be transferred out of the country if the company wants to
27. 'em' may refer to
- a) Emphasis in HTML
 - b) Font sizing in CSS
 - c) Both of the above
 - d) Neither of the above
28. Which of these is a required element within an HTML 5 document?
- a) `<head>`
 - b) `<header>`
 - c) `<heading>`
 - d) `<meta>`
29. Which of the following combinations of tag are both examples of semantic HTML elements?
- a) `<div>` and ``
 - b) `<div>` and `<article>`
 - c) `<section>` and `<article>`
 - d) `<article>` and ``
30. Clicking a link on a webpage typically results in the browser making which form of request to the web server?
- a) GET
 - b) PUT
 - c) POST
 - d) DELETE

31. Images available on the World Wide Web are
- a) In the public domain and therefore free of copyright restrictions, and free to use
 - b) Only free of copyright restrictions and free to be reused if they appear on searches (e.g. Google image search)
 - c) Only free to be reused if they are hosted in another country as copyright legislation does not apply
 - d) Covered by copyright legislation, and only able to be reused with the author's permission
32. Which of the following is NOT a valid <form> element in HTML?
- a) <radio>
 - b) <select>
 - c) <textarea>
 - d) <button>
33. A <form> on an HTML page which collects payment details as part of an e-commerce transaction would typically be configured to use which type of HTTP request when submitted?
- a) GET
 - b) PUT
 - c) POST
 - d) DELETE
34. Which of the examples below correctly indicates how to include code in a file named library.js in a HTML page?
- a) <script type="text/javascript" src="library.js"></script>
 - b) <script type="text/javascript" src="library.js" />
 - c) <javascript src="library.js"></javascript>
 - d) <javascript src="library.js" />
35. Which of the following is NOT one of the eight principles of the data protection act? Ensuring that personal information is:
- a) Secure
 - b) Accurate and up to date
 - c) Not held for more than 7 years
 - d) Adequate, relevant and not excessive

(Total 70 marks)

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[End of Paper]