

# Computer Principles

1. What was the name of the first internet, which was developed in the late 1960s?
  - A. World Wide Web (WWW)
  - B. ARPANET
  - C. Internet Explorer
  - D. Netscape Navigator
2. What unique numerical labels are assigned to devices on a network to identify them?
  - A. Routers
  - B. Clients
  - C. IP Addresses
  - D. ISPs
3. The only way to access the i6 server is through Cyberduck.
  - A. True
  - B. False

## Unix

4. What is the primary purpose of the "cd" command in Unix?
  - A. Copy files and directories
  - B. Delete files and directories
  - C. Change the working directory
  - D. List the contents of a directory
  - E. View file permissions
5. Which command is commonly used to create a new directory in Unix?
  - A. ls
  - B. cat
  - C. touch
  - D. mkdir
  - E. cp

# HTML

6. What does HTML stand for?
  - A. Hyper Transfer Text Language
  - B. High Tech Markup Language
  - C. Hyperlink and Text Markup Language
  - D. Hypertext Markup Language
7. Which of the following best describes a markup language?
  - A. A language used to style the visual appearance of web pages.
  - B. A programming language used to write server-side code.
  - C. A language that uses tags to structure and format content in a document.
8. In which scenario would it be most appropriate to use a `<span>` tag?
  - A. To create a container for an entire section of a webpage.
  - B. To style a small portion of text within a paragraph, such as making a single word bold.
  - C. To define the main content area of a webpage.
  - D. To create a navigation bar.
9. Which type of link is recommended for connecting internal pages within the same website?
  - A. Absolute link
  - B. Relative link
  - C. External link
  - D. Dynamic link

# CSS

10. What is the primary purpose of CSS in web development?
  - A. To create dynamic server-side scripts
  - B. To define the structure of a web page
  - C. To manage the layout and presentation of web content
  - D. To process user input in forms
11. In the HSL color model used in CSS, what does the 'H' stand for?
  - A. Height
  - B. Hue
  - C. Highlight

D. Hexadecimal

12. In CSS, what does the pseudo-class ":hover" represent?

- A. Active links
- B. Visited links
- C. Links on focus
- D. Elements when a mouse pointer hovers over them

## Web Graphics

13. What is the primary difference between raster and vector graphics?

- A. Raster graphics are resolution-independent, while vector graphics have fixed resolutions.
- B. Raster graphics are composed of pixels, while vector graphics are made up of mathematical shapes and paths.
- C. Raster graphics are suitable for scaling without loss of quality, while vector graphics are not.
- D. Raster graphics are more suitable for printing, while vector graphics are better for digital display.

14. Which graphic format is most appropriate for an image of a sunset with varying shades of color?

- A. BMP
- B. GIF
- C. Vector
- D. JPEG

## In Reference to Attached Code

15. What is the "parent" element of the <ol> element?

- A. <main>
- B. <img>
- C. <div id="container">
- D. <section class="col1">
- E. <body>

16. How will the ordered list and caption be positioned in relation to image on the website?
- A. To the right side of the image in a three column layout
  - B. To the left side of the image in a three column layout
  - C. They will be positioned beneath the image
  - D. They will be positioned above the image
17. Which of the following best describes the size of the web page's image?
- A. The image is 100% of the width of the browser window
  - B. The image is 300px wide
  - C. The image is 345.6px wide
  - D. The image is 720px wide
18. List items on the website will be...
- A. Numbered
  - B. Lettered
  - C. Bullet-pointed
19. How will the two paragraphs in <section class="col2"> be positioned in relation to one another?
- A. Side by side
  - B. One on top of the other
20. How does the size of the first-level heading compare to the size of the footer text?
- A. They're the same size
  - B. The heading text is 2x larger than the footer text
  - C. The heading text is 1.4x larger than the footer text
  - D. The heading text is 130% larger than the footer text
21. What kind(s) of styles are being applied to this page?
- A. An external style sheet only
  - B. An internal style sheet only
  - C. An external style sheet and internal style sheet
  - D. An external style sheet and inline styles
  - E. None of the above
22. From the code, it can be inferred that the stylesheet is located where?
- A. In a parent directory called "styles"
  - B. In the same directory as this HTML document
  - C. In a separate subdirectory

23. How will a visitor be able to distinguish the page's hyperlink text from paragraph text?

- A. It will be underlined
- B. It will be blue and underlined
- C. It will be blue
- D. Hyperlink text has not been distinguished

24. The first level heading on the page will display in the font, Arial.

- A. True
- B. False

25. What will the color of paragraph text be?

- A. black
- B. `rgb(0, 0, 0)`
- C. `#1b1b1b`
- D. A and B
- E. None of the above