

1. What does "IP" stand for in the context of computer networks?

- a) Internet Provider b) Internet Protocol c) Internet Proxy d) Internet Port

2. Which of the following is a valid IPv4 address?

- a) 2001:db8::1 b) 192.168.0.1 c) 2001:2568:0:1::1 d) 10.0.0.256

3. What is the purpose of a domain name system (DNS)?

- a) It translates domain names into IP addresses.
b) It secures communication between client and server.
c) It manages internet service providers (ISPs).
d) It establishes virtual private networks (VPNs).

4. What is the client-server model in computer networking?

- a) A model where both clients and servers have equal roles.
b) A model where clients are connected to the internet and servers are not.
c) A model where clients request services from servers.
d) A model where servers request data from clients.

5. which of the following is a markup language used for creating web pages?

- a) CSS b) JavaScript c) XML d) PHP

6. Which protocol is used for secure communication over the internet?

- a) HTTP b) FTP c) SSL/TLS d) SMTP

7. What does HTTP stand for in the context of web technologies?

- a) HyperText Markup Protocol b) Hypertext Transfer Protocol
c) Hyperlink Transfer Protocol d) Hypertext Markup Language

8. Which of the following is used to style the appearance of web pages?

- a) HTML b) JavaScript c) CSS d) PHP

9. Which of the following is an example of a web browser?

- a) Google b) Firefox c) Apache d) MySQL

10. What is the purpose of a cookie in web development?

- a) To store website data on the server.
- b) To enhance website security.
- c) To track user interactions and preferences.
- d) To convert IP addresses into domain names.

Answers:

- 1. b) Internet Protocol
- 2. b) 192.168.0.1
- 3. a) It translates domain names into IP addresses.
- 4. c) A model where clients request services from servers.
- 5. c) XML
- 6. c) SSL/TLS
- 7. b) Hypertext Transfer Protocol
- 8. c) CSS
- 9. b) Firefox
- 10. c) To track user interactions and preferences.

1. What is the purpose of domain name conversion?

- a) Converting IP addresses to domain names
- b) Converting domain names to IP addresses
- c) Converting URLs to IP addresses
- d) Converting IP addresses to URLs

2. Which of the following is NOT part of a URL?

- a) Protocol b) Domain Name c) File Extension d) IP Address

3. What does "SEO" stand for?

- a) Search Engine Organization b) Site Enhancement Optimization
- c) Search Engine Optimization d) Site Engine Optimization

4. Which of the following is a client in the context of web communication?

- a) Web browser b) Web server
c) Internet Service Provider (ISP) d) Domain registrar

5. Which of the following is responsible for hosting and serving websites?

- a) Domain registrar b) Internet Service Provider (ISP) c) Web server d) Web browser

Answers:

1. b) Converting domain names to IP addresses
2. d) IP Address
3. c) Search Engine Optimization
4. a) Web browser
5. c) Web server

1. What is the main function of an IP address?

- a) Identifying websites b) Identifying devices on a network
c) Locating physical addresses d) Ensuring secure data transmission

2. Which protocol is commonly used for retrieving emails from a mail server?

- a) POP3 b) HTTP c) FTP d) SMTP

3. What is the purpose of a domain name?

- a) To specify the physical location of a website
b) To uniquely identify a website on the internet
c) To encrypt website data for secure transmission
d) To provide hosting services for websites

4. What does the "www" in a URL stand for?

- a) Web World Wide b) World Wide Web
c) Website Wide Web d) Webpage Widget

5. Which of the following is NOT a top-level domain (TLD)?

- a) .com b) .org c) .net d) .exe

6. What is the role of a search engine in SEO?

- a) Creating website content b) Indexing and ranking web pages
c) Monitoring website traffic d) Designing website layouts

7. Which HTTP status code indicates a successful request?

- a) 200 b) 300 c) 400 d) 500

8. What is the purpose of a cookie in web browsing?

- a) Storing user preferences and session information
b) Encrypting data transmitted between the client and server
c) Preventing unauthorized access to a website
d) Blocking pop-up advertisements

9. Which of the following is NOT a web browser?

- a) Google Chrome b) Mozilla Firefox c) Microsoft Word d) Safari

10. Which web server software is commonly used on Apache servers?

- a) NGINX b) IIS c) Tomcat d) LiteSpeed

1. What does HTML stand for?

- a) Hyper Text Markup Language b) High Tech Markup Language
c) Home Tool Markup Language d) Hyperlink and Text Markup Language

2. Which HTML tag is used to define the title of a webpage?

- a) <title> b) <head> c) <h1> d) <body>

3. Which HTML tag is used to create a hyperlink?

- a) <a> b) <link> c) <href> d) <hyper>

4. Which attribute is used to specify the URL of the linked resource in an anchor tag?

- a) src b) alt c) href d) link

5. What is the correct HTML tag for inserting an image?

a) <image> b) c) <picture> d) <src>

6. Which HTML tag is used to define an unordered list?

a) b) c) d) <list>

7. Which tag is used to define the main content of an HTML document?

a) <div> b) <section> c) <body> d) <main>

8. Which HTML tag is used to emphasize text?

a) <bold> b) c) d) <italic>

9. Which attribute is used to specify the width and height of an image in HTML?

a) size b) scale c) width d) height

10. Which HTML tag is used to create a table row?

a) <td> b) <th> c) <tr> d) <table>

Answers:

1. a) Hyper Text Markup Language

2. a) <title>

3. a) <a>

4. c) href

5. b)

6. a)

7. d) <main>

8. c)

9. c) width

10. c) <tr>

1. Which HTML attribute is used to include external CSS stylesheets?

a) <link> b) <style> c) <script> d) <css>

2. Which CSS property is used to change the text color of an element?

a) color b) text-color c) font-color d) text-style

3. How can you apply a background image to an element in CSS?

- a) background: image(url); b) background-image: url("image.jpg");
c) background-src: url("image.jpg"); d) background-url: "image.jpg";

4. Which CSS property is used to add spacing between elements?

- a) margin b) padding c) space d) border

5. How can you select an element with the class "example" in CSS?

- a) .example b) #example c) example d) <example>

Answers: CSS:

1. a) <link>
2. a) color
3. b) background-image: url("image.jpg");
4. b) padding
5. a) .example

1. What is JavaScript primarily used for?

- a) Styling web pages b) Defining page structure
c) Adding interactivity to web pages d) Creating database connections

2. Which keyword is used to declare a variable in JavaScript?

- a) var b) let c) const d) variable

3. How do you write a comment in JavaScript?

- a) <!-- This is a comment --> b) /* This is a comment */
c) // This is a comment d) ** This is a comment **

4. What is the correct syntax for a function in JavaScript?

- a) function = myFunction() b) function myFunction()
c) myFunction: function() d) myFunction()

5. How do you add an event listener to an HTML element in JavaScript?

- a) addEventListener("click", myFunction);

- b) `onClick = myFunction();`
- c) `myElement.addEventListener("click", myFunction);`
- d) `myElement.onClick = myFunction();`

Answer:

1. c) Adding interactivity to web pages
2. b) `let`
3. c) `// This is a comment`
4. b) `function myFunction()`
5. c) `myElement.addEventListener("click", myFunction);`