

Frontend engineer

 Test duration: 45 minutes

 Difficulty level: **Moderate**



1. Which of the following is the correct HTML element for inserting a line break?

- A) <break>
- B) <lb>
- C)

- D) <hr>

Correct answer: C)

2. In CSS, how do you apply a style to an element with the class name "header"?

- A) #header {}
- B) .header {}
- C) header {}
- D) *header {}

Correct answer: B) .header {}

3. Which of the following is a valid way to declare a variable in JavaScript?

- A) var myVariable = 10;
- B) variable myVariable = 10;
- C) let myVariable 10;
- D) const myVariable;

Correct answer: A) var myVariable = 10;

4. In the context of responsive web design, what does the 'viewport' meta tag do?

- A) It ensures that the website is mobile-friendly
- B) It sets the layout to be fixed-width
- C) It allows the user to zoom in and out of the webpage
- D) It provides information to the browser about how to control the page's dimensions and scaling

Correct answer: D) It provides information to the browser about how to control the page's dimensions and scaling

5. Which of the following JavaScript frameworks is primarily used for building single-page applications (SPAs)?

- A) jQuery
- B) Angular
- C) Bootstrap
- D) React

Correct answer: D) React

6. What is the purpose of the flex property in CSS Flexbox?

- A) To control the spacing between flex items
- B) To define how a flex item will grow or shrink to fill the space in the flex container
- C) To align items vertically
- D) To make an element float

Correct answer: B) To define how a flex item will grow or shrink to fill the space in the flex container

7. Which of the following methods would improve the performance of a web page?

- A) Loading all images at full resolution regardless of the user's device
- B) Minifying CSS and JavaScript files
- C) Using inline CSS for all styles
- D) Avoiding the use of any JavaScript

Correct answer: B) Minifying CSS and JavaScript files

8. When using React, what is the primary purpose of the useState hook?

- A) To manage the state of a functional component
- B) To handle side effects in a component
- C) To define a new component
- D) To perform a cleanup operation

Correct answer: A) To manage the state of a functional component

9. Which of the following is true about CSS Grid Layout?

- A) It is a layout system that allows for easy horizontal alignment of elements
- B) It is a framework that must be installed separately from CSS
- C) It provides a two-dimensional grid-based layout system for arranging items
- D) It is primarily used for animations and transitions

Correct answer: C) It provides a two-dimensional grid-based layout system for arranging items

10. In terms of accessibility, what does the alt attribute do for an image element in HTML?

- A) It provides alternative text for screen readers to describe the image
- B) It sets the alignment of the image
- C) It determines the image's loading priority
- D) It specifies the image source if the primary source fails to load

Correct answer: A) It provides alternative text for screen readers to describe the image