

Web Design & JavaScript Final Exam
Duration: 2 hours 30 minutes

Instructions:

- This paper contains four parts:

Part 1: MCQ (30 marks)

Part 2: Short Questions (20 marks)

Part 3: Coding Problems (30 marks)

Part 4: Mini Project (20 marks)

Total: 100 marks

Part 1: MCQs (Each 2 marks) - 15 questions

1. Which HTML5 tag is used to define navigation links?

@. <nav>

A. <section>

B. <header>

C. <navlink>

2. What does CSS box-model include?

@. margin, border, padding, content

A. margin, padding only

B. border, padding

C. content only

3. Which property centers a block element horizontally?

@. margin: 0 auto;

A. text-align:center;

B. align:center;

C. position:center;

4. Bootstrap grid uses how many columns by default?

@. 12

A. 6

B. 4

C. 16

5. Which tag is used to include JavaScript file?

@. <script src='...'>

A. <js src='...'>

B. <javascript>

C. <link rel='script'>

6. Which CSS selector selects elements with class 'btn'?

@. .btn

A. #btn

B. btn

C. *btn

7. Which HTTP method is typically used to submit form data?

@. POST

A. GET

B. DELETE

C. PUT

8. What does '===' do in JavaScript?

@. Strict equality (type+value)

A. Assigns value

B. Loose equality

C. Not equal

9. Which event fires when a form is submitted?

@. submit

A. click

- B. change
 - C. input
10. Which Bootstrap class creates a responsive image?
- @. img-fluid
 - A. responsive-img
 - B. img-responsive
 - C. img-scale
11. How do you declare a JavaScript function?
- @. function myFunc() {}
 - A. def myFunc() {}
 - B. fn myFunc() {}
 - C. func myFunc() {}
12. Which CSS property changes text color?
- @. color
 - A. text-color
 - B. font-color
 - C. fgcolor
13. Which HTML attribute specifies an input's placeholder?
- @. placeholder
 - A. hint
 - B. title
 - C. alt
14. Which JavaScript method logs to console?
- @. console.log()
 - A. print()
 - B. echo()
 - C. log()
15. In CSS, how do you select an element with id 'main'?
- @. #main
 - A. .main
 - B. main
 - C. *main

Short Question: Explain the HTML5 semantic elements and why they are important.

Short Question: Describe the CSS box model and how padding and margin affect layout.

Short Question: What is the Bootstrap grid system? Give an example of using col-md-6.

Short Question: Explain JavaScript variable types and difference between var, let, const.

Short Question: Describe event delegation in JavaScript and why it's useful.