

CSE 2258- Web Technologies Question Bank

Module-2

2Mark questions:

1. What is inline style sheet? Give syntax
2. What is internal style sheet? Give syntax
3. What is external style sheet? Give syntax
4. What is the difference between style tag and style attribute
5. What are the attributes of link tag? explain
6. How do you create a comment in CSS?
7. What are the symbols used to match the attribute values in attribute selectors?
8. How do you apply the same style to multiple elements in CSS?
9. When you want to maintain same style across a website, which CSS type is preferred? Give syntax for the same
10. When I want to apply style to a paragraph which is inside div tag, what type of selector is used? Explain its syntax
11. Differentiate between pseudo class and pseudo element selector.
12. What is a pseudo-element selector? List the selectors used.

10 Mark questions:

1. You need to enhance the visual feedback of interactive elements (like links and buttons) on a webpage. Discuss how you would use pseudo-classes to style these elements on hover, focus, and active states. Provide code snippets to illustrate your styling choices.
2. Discuss the fundamental role of CSS (Cascading Style Sheets) in web development. Include its purpose, advantages, and how it interacts with HTML. Provide examples to illustrate your points.
3. The cultural club of your college is creating a “Campus Fest 2025” webpage to share event details. They want a simple yet stylish page with a highlighted heading and well-formatted content.

Design a webpage using HTML and CSS where:

- a. The main heading “Campus Fest 2025” should have a unique style (color, font-size, background) using an ID selector.
 - b. All paragraphs describing the events (like music, dance, and tech competitions) should share a common style (font-family, line spacing, and text color) using an element selector.
4. An online Book Fair 2025 website needs a stylish page to showcase featured books and an action button for visitors to register.

Design a web page and style it using CSS where:

- a. Contextual Selector Requirement
 - Text that appears only inside the “Featured Books” section should have a distinct font style and color compared to similar text in other sections.
- b. Pseudo-class Selector Requirement

- Any clickable links on the page should change appearance when a visitor hovers over them or clicks them.
 - The “Register Now” button should also show a different background color when hovered.
5. Discuss the different types of CSS (Cascading Style Sheets). Explain the characteristics, advantages, and use cases for each type: inline CSS, internal CSS, and external CSS. Provide examples to illustrate their application.
 6. Discuss the various types of CSS selectors. Explain their characteristics, use cases, and provide examples for each type
 7. A small bakery named Sweet Treats wants a basic website with three pages to show customers their offerings.

Create and link together three simple web pages:

- Home – a welcome message about the bakery.
- Menu – a list of cakes and pastries.
- Contact – address, phone number, and a short inquiry form.

Requirements

- Use one CSS file so the design looks the same on every page.
 - Give the main headings, section titles, and any buttons the same style (same color, font, and spacing) across all three pages.
 - Each page should have its own content but keep the same styled elements.
 - Add a small navigation area so visitors can move between pages.
8. A local café called Morning Brew wants a three-page website to share its story, menu, and contact details.

Create and link together three pages:

- Home – a welcome message about the café.
- Menu – a list of drinks and snacks.
- Contact – address, phone number, and a simple form.

Design Requirements

- Interactive Links & Buttons
 - Make all navigation links and any “Order Now” or “Send” buttons change style when visitors hover over them or click them (for example, a different background or text color).
- Special Text Effect
 - On the Home page, make the first letter of the welcome paragraph stand out—for example, larger size, bold color, or a fancy font—without manually wrapping that letter in a separate element.
- Consistency
 - Use one CSS file so the overall style remains the same across all three pages.

9. What are CSS selectors? Describe element, class, id, attribute with examples.
10. Explain the following CSS selectors with syntax and examples:
 - (a) Pseudo-classes
 - (b) Pseudo-elements
 - (c) Contextual (combinator) selector
11. Differentiate between block-level elements and inline elements in CSS. Illustrate with examples.

12. You are designing a university website. The homepage must use different fonts and colors for headings and paragraphs. Demonstrate how inline, internal, and external CSS can be applied to achieve this. Which method is most efficient and why?