

Course  
&  
Test Series

Exam Paper for DOM and Validations

Time: 45 Minutes

Marks : 50

Note: All questions are compulsory

Section A(5\*1=5)  
MCQ Questions

Ques 1: Which of the following best describes the DOM?

- A) A programming language
- B) A tree-like representation of HTML elements
- C) A CSS framework
- D) A JavaScript library

Ques 2: Which method is used to access an element by its ID?

- A) getElementByClassName()
- B) getElementById()
- C) querySelectorAll()
- D) getElementsByTagName()

Ques 3: How can you remove an element from the DOM?

- A) element.remove()
- B) element.delete()
- C) element.removeChild()
- D) Both A and C

Ques 4: How do you create a cookie in JavaScript?

- A) document.cookie = "username=John";
- B) cookie.create("username=John");
- C) window.cookie = "username=John";
- D) document.createCookie("username=John");

Ques 5: How can you delete a cookie?

- A) Set its value to null
- B) Set its expiry date in the past
- C) Use cookie.delete() method
- D) You cannot delete cookies in JavaScript

Section B(5\*5=25)  
Descriptive Questions

Ques 6: Differentiate between the HTML DOM and XML DOM?

Ques 7: Explain the process of form validation in JavaScript. Why is client-side validation important?

Ques 8: Explain how to get and set attributes of HTML elements using JavaScript. Provide examples with getAttribute() and setAttribute()?

 CBSE

 ICSE

 NTSE

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Ques 9: Explain what the DOM (Document Object Model) is and describe its hierarchical tree structure with an example.  
Ques 10: What are the different types of DOM?

 **CBSE**

Section C(1\*20=20)  
Practical Questions

Ques 11:

 **ICSE**

(a) You are required to design a Registration Form that collects the following user details:

Validation Rules to Implement

 **NTSE**

- Name- Must not be empty.
- Email- Must not be empty and must follow a valid email format (e.g., user@example.com).
- Password-Must not be empty and must be at least 6 characters long.
- Confirm Password- Must match the value entered in the Password field.
- Phone Number- Must contain exactly 10 digits and only numeric digits are allowed.

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### Registration Form

Name:

Email:

Password:

Confirm Password:

Phone Number: