

## IMSc IT (SD-WM) (NEP) Sem.-2 Examination

DSC-M-SMD-123T

## Fundamentals of Web Development - Theory

Time : 1-00 Hours]

May-2025

[Max. Marks : 25

**Instructions:**

1. Write all answers clearly in the supplementary answer sheet provided.
2. For MCQs, mention only the correct option (e.g., 1. c).
3. Attempt only the required number of questions as instructed in each section.

**Section A: Multiple Choice Questions (1 mark each)****[ 15 MARKS ]****Choose the correct option for each of the following:**

1. Which tag is used to create a table row in HTML?
  - a) <th>
  - b) <tr>
  - c) <td>
  - d) <row>
2. In HTML, how do you make text bold?
  - a) <bold>
  - b) <strong>
  - c) <btext>
  - d) <em>
3. Which HTML tag is used to create a text input field?
  - a) <input type="text">
  - b) <textbox>
  - c) <field>
  - d) <textarea>
4. What is the correct HTML tag for inserting a line break?
  - a) <lb>
  - b) <break>
  - c) <br>
  - d) <line>
5. Which of the following is the correct way to include an external CSS file?
  - a) <link rel="stylesheet" href="style.css">
  - b) <style src="style.css">

- c) `<css link="style.css">`  
d) `<import href="style.css">`
- 6.** Which CSS property is used to set the text color of an element?  
a) font-color  
b) color  
c) text-style  
d) foreground
- 7.** What does the z-index property in CSS control?  
a) Font thickness  
b) Stacking order  
c) Page zoom  
d) Element alignment
- 8.** Which attribute is used to specify an image source in HTML?  
a) href  
b) src  
c) alt  
d) link
- 9.** Which JavaScript keyword is used to declare a variable?  
a) set  
b) define  
c) let  
d) assign
- 10.** How do you write a single-line comment in JavaScript?  
a) `<!-- comment -->`  
b) `# comment`  
c) `// comment`  
d) `/* comment */`
- 11.** What is the output of: `typeof "123"`?  
a) number  
b) string  
c) boolean  
d) object
- 12.** Which method is used to add a new element at the end of an array in JavaScript?  
a) `append()`  
b) `insert()`  
c) `push()`  
d) `add()`

13. What will `console.log(2 + "2")` output?
- a) 4
  - b) "22"
  - c) NaN
  - d) 2
14. Which method is used to execute code repeatedly with a fixed time delay?
- a) `setInterval()`
  - b) `setTimeout()`
  - c) `delay()`
  - d) `repeat()`
15. Which CSS unit is relative to the root element font-size?
- a) `em`
  - b) `px`
  - c) `rem`
  - d) `%`

(Question continued on the next page — please turn over)

(P.T.O)

**Section B: Short Answer (Any 5 questions, 2 marks each) [10 Marks]**

Q.1) Write a JavaScript code to print table of 2 using for loop.

Q.2) What is the difference between inline elements and block elements? Give examples of each.

Q.3) Write a JavaScript function that changes the background color of a paragraph with ID 'info' to yellow when a button is clicked.

Q.4) Write a JavaScript code to change the text color to blue for a <p> element having the id 'para1'.

Q.5) What are the different versions of HTML? Which is the latest version of HTML?

Q.6) List different types of HTML lists. Write their syntax with a short example of each.

Q.7) Explain the following CSS properties:

1. background-size
2. background-position
3. background-repeat

----- **END OF THE PAPER** -----