SEMESTER EXAMINATION DECEMBER-2024

Course Name: - BTech

Semester:-1st

Paper Name: - Web Technology

Paper Code:- NCS-101

Time - 3 Hrs + 20 minutes perhour extra time for V.I. & examinees with writer.

Max Marks-70

Instructions:

- The question paper consists of three sections namely A, B, C. All sections are compulsory.
- Section A- Each question carries 3 mark. All questions are compulsory.
- Section B-Answer any 5 out of 7 given questions. Each question carries 7 marks.
- Section C- Answer any 2 out of 3 given questions. Each question carries 10 marks.
- Section D- Each question carries 2 mark. All questions are compulsory.

Section - A

Objective Questions

1. Answer all the following questions.

5x3 = 15

- Which tag is responsible for making the text bold in html. i)

 - b)

 - c)
 - d) None of the above
- Which of the following is used for largest heading in html ii)

 - b) <h1>
 - c)
 - d)

- iii) The correct syntax for HTML is
 - a) HTML, head, title, body
 - b) HTML, title, head, body
 - c) Title, head, HTML, body
 - d) HTML, title, body, head
- HTML tags are enclosed in iv)
 - a) ?and!
 - b) @and @
 - c) < and >
 - d) None of the above
- An HTML program is saved by -V)
 - a) .html
 - b) .ht
 - c) .htm
 - d) .hml extension.

Section - B Short Answer Questions

Answer any five of the following questions.

5x7=35

- What is the purpose of head tag in html. i.
- What are the uses of XML. ii.
- How the php is suitable for client-server architecture. Explain with diagram iii.
- Write down the procedure to execute program on JavaScript. iv.
- Define HTTP with suitable diagram. Ve
- How can you add background element to an element in CSS? vi.
- What is the purpose of the <form> tagin HTML? vii.

Section - C

Descriptive Questions

Answer any two of the following questions.

2x10=20

- 4 What do you mean by external, internal and inline CSS? Give example of each category i.
- What are the various types of operators used in JavaScript? Explain with example. ii
- What is DOM in xml and JavaScript. Explain iii.

Section - D

Objective Questions

10x2 = 20

- What does an XML schema define?
 - A) The appearance of an XML document.
 - B) The structure and data types of an XML document. B
 - C) The relationships between multiple XML files.
 - D) The transformation rules for XML documents.
- What is the purpose of the CDATA section in XML?
 - A) To comment out a section of code.
 - B) To include binary data in an XML file.
 - C) To include unescaped character data.
 - D) To reference an external XML document.
- What is the purpose of the sandbox attribute in an <iframe>?
 - A) To define the URL of the iframe.
 - B) To provide a secure environment by restricting iframe behavior. 0
 - C) To specify the default content of the iframe. 0
 - D) To style the iframe using CSS.
- Which attribute is used in HTML5 to specify the type of input in a <input> element?
 - A) type Ø
 - B) input-type 0
 - C) data-type 0
 - D) field
- What does the hidden attribute do in an HTML element?

 - B) It hides the element from view but keeps it in the DOM.
 - C) It removes the element from the DOM.
 - D) It changes the opacity of the element.

Which of the following is the correct way to specify multiple classes for an HTML element?

A) class="class1,class2"

∞ B) class="class1 class2"

o C) classes="class1 class2"

o D) multi-class="class1 class2"

7. What does the preload attribute in the <video> or <audio> element do?

A) Specifies the priority of the resource to the browser.

o B) Determines whether the video or audio should start automatically.

C) Provides a hint to the browser about what data to load before playback.

O D) Prevents the resource from loading until it is explicitly called.

8. Which HTML element is used to specify metadata about an HTML document?

A) <head>

• B) < meta >

o C) <script>

o D) <style>

9. What is the function of the autofocus attribute in a form element?

o A) Automatically submits the form when the page loads.

B) Focuses the cursor on the element when the page loads.

o C) Highlights the element on hover.

o D) Disables other elements in the form.

10. What does the picture element in HTML allow you to do?

A) Add multiple images for different resolutions and devices.

o B) Add captions to an image.

o C) Create a slideshow of images.

o D) Embed images directly into the HTML code.