SEMESTER EXAMINATION DECEMBER-2024

Course Name: - BTech

Paper Name: - Web Technology

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

Semester:-1st

Paper Code:- NCS-101

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

i) Which tag is responsible for making the text bold in html.
   a) <b>
   b)
   c) <p>
   d) None of the above

ii) Which of the following is used for largest heading in html
   a) <h2>
   b) <h1>
   c) <p>
   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

iv) HTML tags are enclosed in -
   a) ?and!
   b) @and @
   c) < and >
   d) None of the above

v) An HTML program is saved by -
   a) .html
   b) .ht
   c) .htm
   d) .hml extension.

Section – B
Short Answer Questions

5x7=35

2. Answer any five of the following questions.

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

Section – C
Descriptive Questions

2x10=20

3. Answer any two of the following questions.

4.

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

Section – D
Objective Questions

10x2 =20

1. What does an XML schema define?
   - A) The appearance of an XML document.
   - B) The structure and data types of an XML document.
   - C) The relationships between multiple XML files.
   - D) The transformation rules for XML documents.
2. 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.
3. 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.
   - C) To specify the default content of the iframe.
   - D) To style the iframe using CSS.

4. Which attribute is used in HTML5 to specify the type of input in a <input> element?
   - A) type
   - B) input-type
   - C) data-type
   - D) field

5. What does the hidden attribute do in an HTML element?
   - A) It disables the 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"
- C) classes="class1 class2"
- 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.
- B) Determines whether the video or audio should start automatically.
- C) Provides a hint to the browser about what data to load before playback.
- 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\>
- C) \<script\>
- D) \<style\>

9. What is the function of the autofocus attribute in a form element?
- A) Automatically submits the form when the page loads.
- B) Focuses the cursor on the element when the page loads.
- C) Highlights the element on hover.
- 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.
- B) Add captions to an image.
- C) Create a slideshow of images.
- D) Embed images directly into the HTML code.