One mark Questions:

1. Define well-formed and valid XML document.
2. What are the features of XML?
3. Define namespace and write its syntax.
4. Define XSLT.
5. What are the features of AJAX.
6. Write the difference between DTD and XSD.
7. What is XPath?
8. What is AJAX?
9. Write the features of AJAX.
10. Write about XMLHttpRequest object.
11. Write the features of jQuery.
12. Differentiate fadeIn( ) and fadeout( ) methods.

Essay Questions:

1. Write the difference between HTML and XML.
2. Define DTD. Explain internal and external DTD with an example.
3. Explain XSLT procedure with an example.
4. Write the difference between DTD and XSD.
5. Draw and explain working process of AJAX with an example.
6. List and Explain different methods in jQuery.
7. Write the differences between JavaScript and jQuery.

Programming Exercises:

1. Create a XML document to store student name, roll number, branch, and college details. Create a DTD to validate the document.
2. Create a XML document to store voterID, voter name, address, and date of birth details. Create a DTD to validate the document.
3. Create a XML document to store student name, roll number, branch, and college details. Create a XSD to validate the document.
4. Create a XML document to store voterID, voter name, address, and date of birth details. Create a XSD to validate the document.
5. Create a XSLT document to convert XML document to HTML document.
6. Create a JavaScript file that demonstrates the AJAX.
7. Create a JavaScript file that demonstrates the jQuery.

Hall Ticket Number:

II/IV B.Tech (Supplementary) DEGREE EXAMINATION

April, 2022   **Common to CSE & IT**
Fourth Semester   **Web Technologies**
Time: Three Hours   Maximum: 50 Marks

Answer Question No. 1 Compulsorily.   (10X1 = 10 Marks)
Answer ANY ONE question from each Unit.   (4X10=40 Marks)

1. Answer all questions   (1X10=10 Marks)
    a)   What is the difference between cell spacing and cell padding attributes?   [CO1, L3, 1M]
    b)   Write the structure of HTML program.   [CO1, L3, 1M]
    c)   What do you mean by character entity?   [CO2, L2, 1M]
    d)   Are Java and JavaScript the Same?   [CO2, L3, 1M]
    e)   Differentiate Static and dynamic web page.   [CO2, L3, 1M]
    f)   List the different events supported by JavaScript.   [CO2, L3, 1M]
    g)   Define document object collection.   [CO3, L2, 1M]
    h)   Write the method to create a text node using DOM.   [CO3, L2, 1M]
    i)   Define Extensible Style Sheet Language Transformation. [CO4, L3, 1M]
    j)   What are the features AJAX?   [CO4, L3, 1M]

Unit - I

2. a)   Explain the classification of HTML tags with an example.   [CO1, L3]   6M
    b)   What is frames? Explain Hyperlink targets to a Frame   [CO1, L2]   4M

Or

3. a)   Describe different types of lists used in HTML with suitable examples.   [CO1, L3]   5M
    b)   Define frame. Create a HTML page that displays multiple frames in a window   [CO1, L2]   5M

Unit - II

4. a)   Explain different types of cascading style styles with suitable examples.   [CO2, L2,L3]   5M
    b)   Describe all dialog boxes used in java script with an example.   [CO2, L2,L1]   5M

Or

5. a)   What is event handing? Explain Mouse events with an example.   [CO2, L2,L3]   5M
    b)   Explain control structures in Java script.   [CO2, L2]   5M

Unit - III

6. a)   Write short notes on the properties and methods of String object and array object with suitable   6M
         example.   [CO3, L3]
    b)   Write a Java Script code to generate the current date in words format "Day, Month Date, Year".   4M
         (Hint: Friday, December 18, 2015)   [CO3, L2]

Or

7. a)   What is document object model? Describe the node tree structure of an HTML document with an
         example.   [CO3, L2,L3]   5M
    b)   Write a JavaScript program to apply dynamic styles [font, colour] to the HTML page.   5M
         [CO3, L2,L3]

Unit - IV

8. a)   Create a XML document to store voter ID, voter name, address and date of birth details. Create a   6M
         DTD to validate the document.   [CO4, L2]
    b)   How does an XSLT processor use an XSLT style sheet with an XML document?[CO4, L1]   4M

Or

9. a)   What are the differences between traditional web application and AJAX based web application?   5M
         [CO4, L3,L2]
    b)   Explain working mechanism of AJAX with suitable example.   [CO4, L2]   5M

II/IV B.Tech (Supplementary) DEGREE EXAMINATION

January, 2022

Fourth Semester

Time: Three Hours

Common for CSE & IT

Web Technologies

Maximum : 60 Marks

Answer Question No.1 compulsorily.

Answer ONE question from each unit.

(1 X 12 = 12 Marks)

(4 X 12 = 48 Marks)

(1 X 12 = 12 Marks)

1. Answer all questions

    a) What is an HTML File?

    b) Mention the various form elements?

    c) What do you mean by column spanning and row spanning?

    d) What does DHTML refer.

    e) What are JavaScript Data Types?.

    f) What is the Prototype object in JavaScript and how it is used?

    g) What do you mean by DTD in XML?

    h) What is the use of XML namespace?

    i) What is the usage of XSLT?

    j) List the protocols used by AJAX.

    k) How is encoding handled in AJAX?

    l) Does jQuery HTML work for both HTML and XML documents ?

UNIT I

2. a) Discuss how do you create user registration forms using HTML Tags with suitable examples?   6M

   b) Explain how Frames are created with an example   6M

(OR)

3. a) Describe how HTML and CSS complement each other in building rich Web Pages?   6M

   b) Write a HTML code to create your own class table.   6M

UNIT II

4. a) Write a script illustrating Java Script events.   6M

   b) describe briefly How can we control the events with DHTML?   6M

(OR)

5. a) Discuss briefly Dynamic HTML – Event Model.   6M

   b) Explain Popup dialogue boxes in JavaScript   6M

UNIT – III

6. a) What is the purpose of XML schema and DTD in web environment? Explain with an example mentioning the advantages of XML schema over DTD.   6M

   b) Give differences between HTML and XML?   6M

(OR)

7. a) What is DOM? Draw the detailed DOM objects structure. Explain with its usage.   6M

   b) Explain advanced features of XML with an example.   6M

UNIT – IV

8. a) Write a program for show and hide effects by using JQuery   6M

   b) illustrate controls of Ajax   6M

(OR)

9. a) Explain AJAX frameworks implementation.   6M

   b) How to remove the HTML elements from the page by using JQuery   6M

18CS402/18IT402

Hall Ticket Number:

II/IV B.Tech (Regular) DEGREE EXAMINATION

Common to CSE & IT

November, 2020

Web Technologies

Fourth Semester

Maximum: 50 Marks

Time: Three Hours

(1X10 = 10 Marks)

Answer Question No.1 compulsorily. From PART-A

(4X10=40 Marks)

Answer ANY FOUR questions from PART-B **PART-A** (1X10=10 Marks)

1. Answer all questions
    a) What are the basic features of HTML5? [CO1, L3, 1M]
    b) Give the purpose of BLOCKQUOTE. [CO1, L3, 1M]
    c) What do you mean by character entity? [CO2, L2 ,1M]
    d) Give the syntax for CSS Document. [CO2, L3, 1M]
    e) Differentiate **position:absolute** and **position:relative** properties. [CO2, L3, 1M]
    f) Difference between **setTimeout()** and **setInterval()** methods. [CO2, L3, 1M]
    g) Define document object collection. [CO3, L2, 1M]
    h) What are the properties of a node in document object model? [CO3, L2, 1M]
    i) Define Extensible Style Sheet Language Transformation. [CO4, L3, 1M]
    j) What are the features of jQuery? [CO4, L3, 1M]

PART-B

2. a) Explain how to organize the text using PRE, DIV, SPAN and TABLE elements with relevant examples. [CO1, L3] 6M
    b) Create a web page with a link at the top of it, when clicked on it will jump to the bottom of the page. At the bottom of the page there should be a link to jump back to the top of the page . [CO1, L2] 4M

3. a) Describe different types of lists used in HTML with suitable examples. [CO1, L3] 5M
    b) Define Form. Write a HTML code for creating a registration form by covering any five controls of an input element in a form. [CO1, L2] 5M

4. a) What are the objectives of using Cascading style sheet? Briefly explain about linking of external Style sheets and fixing the backgrounds. [CO2, L2,L3] 5M
    b) Describe all dialog boxes used in java script with an example. [CO2, L2,L1] 5M

5. a) Explain about the following java script events with an example
        (i) Mouse events   (ii) Form events [CO2, L2,L3] 6M
    b) Write a Java script program which describes simple animation. [CO2, L2] 4M

6. a) Write short notes on the properties and methods of document object and array object with suitable example. [CO3, L3] 6M
    b) Write a java script program to display current day and time. [CO3, L2] 4M

7. a) What is document object model? Describe the node tree structure of an HTML document with an example. [CO3, L2,L3] 5M
    b) Write a JavaScript program to remove items from a dropdown list. [CO3, L2,L3] 5M

8. a) How XML is different from HTML? Explain in detail about internal and external DTD with an example. [CO4, L2] 6M
    b) How to convert an XML document into HTML document? Explain with an example. [CO4, L1] 4M

9. a) How to send asynchronous HTTP request to a client? [CO4, L3,L2] 5M
    b) Briefly explain the various methods of jQuery. [CO4, L2] 5M

Hall Ticket Number:

II/IV B.Tech (Regular/Supplementary) DEGREE EXAMINATION

November, 2020.   Common for CSE & IT

Fourth Semester   **Web Technologies**

Time: Three Hours   Maximum : 60 Marks

Answer ALL Questions from PART-A.   (1X12 = 12 Marks)

Answer ANY FOUR Questions from PART-B   (4x12=48Marks)

PART-A

1. a) Explain hyper link attributes with an example.   1M
    b) How can you create a multi-colored text on a web page?   1M
    c) Display following list format using CSS.   1M

        - CSE
        - IT
        - ECE

    d) List the data types supported by JavaScript.   1M
    e) Write JavaScript code to print the sum of first 'n' natural numbers.   1M
    f) What is the role of browser object in JavaScript?   1M
    g) Define Well-formed and Valid XML documents.   1M
    h) What are the features of XML?   1M
    i) What is XPath?   1M
    j) What are the advantages of AJAX?   1M
    k) What is the difference between synchronous and asynchronous requests?   1M
    l) How do you select an item using class or ID using jQuery?   1M

PART-B

2. a) Explain the usage of any three multi-media elements in a web page.   6M
    b) Demonstrate CSS box model with suitable example.   6M
3. a) Explain HTML links with the following features using CSS.   6M

Link	Appearance
unvisited link	underline and blue
visited link	underline and purple
active link	underline and red

    b) Demonstrate CSS positioning properties with suitable example.   6M
4. a) Write JavaScript to illustrate any three mouse events.   6M
    b) Demonstrate matrix multiplication using 2-Dimensional arrays in JavaScript. 6M
5. a) Explain JavaScript Date object methods with suitable examples.   6M
    b) Write JavaScript code to illustrate animation with an example.   6M
6. a) Define DTD. Explain internal DTD and External DTD with suitable example.   6M
    b) How can you validate an XML document using XSL? Give an example.   6M
7. a) What are the differences between DTD and XSL?   6M
    b) Define XSLT and Demonstrate how to apply XSLT on a given XML document.   6M
8. a) Explain the working mechanism of XMLHttpRequest object.   4M
    b) Explain AJAX Framework.   8M
9. a) Explain in detail about the role of callback function in AJAX?   6M
    b) Explain different ready states of a request in AJAX?   6M

II/IV B.Tech (Supplementary) DEGREE EXAMINATION

November, 2019
Fourth Semester
Time: Three Hours

Common to CSE & IT
Web Technologies
Maximum: 60 Marks

Answer Question No.1 compulsorily.   (1X12 = 12 Marks)
Answer ONE question from each unit.   (4X12=48 Marks)

1. Answer all questions   (1X12=12 Marks)
    a) Why Java Script is called weak type language?
    b) Name the tag to link external style sheet to HTML.
    c) What is meant by asynchronous request?
    d) List out the data types supported by XSD.
    e) Write a syntax for image mapping.
    f) List out methods of XMLHTTPRequest object.
    g) List out features of XML.
    h) How to set background image to web page?
    i) What is meant by fadeout and fade-in methods in JQuery?
    j) Name any two methods of window object.
    k) What is meant by DOM?
    l) Define hyperlink.

UNIT I

2. a) Explain about basic formatting tags in HTML.   6M
    b) Differentiate between XML and HTML.   6M

(OR)

3. a) Explain about CSS Style types.   6M
    b) Explain about CSS box model with example program.   6M

UNIT II

4. a) Explain about java script pop up dialogue boxes.   6M
    b) Write a java script program to demonstrate mouse events.   6M

(OR)

5. a) Explain about MATH object methods in detail.   6M
    b) Discuss about how to create cookies.   6M

UNIT III

6. a) What is meant by Wellformed and valid XML file.   6M
    b) Discuss Procedure how to convert XML data into HTML using stylesheet. 6M

(OR)

7. a) Explain the concept of XML Schema with an example.   6M
    b) What are the limitations of DTD?   6M

UNIT IV

8. a) Differentiate between traditional web application and AJAX enabled RIA application. 6M
    b) Write a java script to demonstrate AJAX application.   6M

(OR)

9. a) Difference between jQuery and Java Script.   6M
    b) Explain JQuery methods.   6M