Q. 1  Attempt All(Each of 5Marks)  (15M)
(a) Multiple Choice Questions  (5M)
   i. HTML web pages can be read and rendered by :-  
      A. Server   B. Web browser   C. Interpreter   D. Client
   ii. If the image cannot be displayed then _______ specifies an alternate 
        text for an image.
      A. text attribute   B. caption attribute   C. value attribute 
      D. alt attribute
   iii. In JavaScript, to check if “a” is not equal to “null”
      A. if(a!=null)   B. if(a==null)   C. if(a!=null)   D. if(a!=null)
   iv. Ajax made popular by?
      A. Google   B. IBM   C. Microsoft   D. Sun Microsystems
   v. Which of the following are correct ways of creating an array in PHP
      i) $city[0] = “mumbai”  ii) $city[] = array(“mumbai”)
      iii) $city[0] = “mumbai”  iv) $city = array(“mumbai”);
      A. i) and iv)  B. ii) and iii)  C. Only i)  D. Only ii)

(b) Fill in the blanks  (5M)
   (.css, <td leftalign>, indexOf, www, ! (Exclamation), .cas, <td align = “left”>,
   valueOf, $(Dollar), HTTP )
   i. External Style Sheets are stored in file with extension _________.
   ii. ________ HTML tag to left-align the content of a cell.
   iii. Method returns the index within the calling String object of
        the first occurrence of the specified value in JavaScript.
   iv. ________ Server supports AJAX.
   v. In PHP, language variable starts with _________.

(c) Write Answers in two lines.  (5M)
   i) What is difference between ordered list and unordered list?
   ii) What do you mean by CSS?
   iii) getDate( ) and getDay( ) functions in JavaScript
   iv) What is XML Element?
   v) Give the purpose of two event methods in jQuery.

Q. 2  Attempt the following (Any THREE)(Each of 5Marks)  (15M)
(a) Explain any five text formatting tags in HTML5.
(b) How to create links in HTML5? Explain its tags with an example.
(c) Define image map? Explain <img> tag with four attributes.
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(d) Explain following CSS background properties with an example:
   i. background-repeat
   ii. background-position
   iii. background-color

(e) Define Style sheet. What is the purpose of following CSS Text style properties in HTML5?
   i. text-align
   ii. text-transform
   iii. text-decoration
   iv. color

(f) Give the complete form code for following in HTML5:

   **HTML Login Page**
   
   Username: 
   Password: 
   
   **Reset**  **Login**

Q. 3 Attempt the following (Any THREE) (Each of 5Marks)  

(a) What is the use of Math object in JavaScript? Explain its four methods with example.

(b) Explain with an example the purpose of following popup boxes:
   i. alert
   ii. confirm
   iii. prompt

(c) Define DTD and its use. How to create Internal DTD in XML? Give example.

(d) What is XML? Discuss its any four features.

(e) Describe Document Object Model with diagram.

(f) Write a JavaScript code to input a number from user into variable \( n \), display table of factorials up to \( n \).

Q. 4 Attempt the following (Any THREE) (Each of 5Marks)

(a) What is XMLHttpRequest object? Explain the following properties of XMLHttpRequest object:
   i. onreadystatechange
   ii. readyState
   iii. responseText
   iv. status

(b) What is a PHP session? How to start, get, modify and destroy a PHP session? Give example.

(c) Define jQuery. Give its any three features and basic syntax with an example.

(d) How does AJAX handle asynchronous data transfer?

(e) Which are the methods for creating animation effects in jQuery? Explain any two methods with example.
Q. 5 Attempt the following (Any THREE) (Each of 5Marks) (15M)

(a) Explain the following table tags in HTML5 with example:-
   i.  <table>
   ii. <tr>
   iii. <th>
   iv.  <td>
   v.   <table align="right">

(b) What is the use of the following CSS selectors? Explain with example:-
   i.   .class
   ii.  #id

(c) What is the purpose of Window object in JavaScript? Explain its any two properties and methods with code snippet.

(d) Diagrammatically explain AJAX Web Application Model.

(e) Write a PHP code to create an array of five student names and display its values using foreach loop.