Hall Ticket Number:

II/IV B.Tech (Regular/Supplementary) Degree Examination

April, 2017   **Common for CSE & IT**

Fourth Semester   # Web Technologies

Time: Three Hours   **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=12Marks)
   a) List and explain any two HTML elements
   b) How to link external style sheet in CSS?
   c) Write HTML code to create a web page containing background image.
   d) How to define functions in java script?
   e) Define the terms DOM Tree & DOM Node.
   f) What is the use of <map> tag?
   g) Differentiate well-formed and valid XML documents.
   h) Mention the three technologies included in XSL.
   i) What are the features of XML?
   j) What is jQuery?
   k) What is the use of XMLHttpRequest object?
   l) What is the need of AJAX in developing web sites?

UNIT I
2 a) Discuss HTML form elements with example.   6M
   b) Create a simple HTML page which demonstrates the use of various types of lists. Try adding a   6M
      definition list which uses an unordered list to define term.
                                          (OR)
3 a) Explain the following terms related to CSS with examples.   6M
          i)   Font-size   ii) Font-weight   iii)Text-decoration
          iv)   Text-transform   v) Padding   vi) Border style.
   b) Explain CSS border and background properties with example.   6M

UNIT II
4 a) Briefly explain about the following popup boxes in JavaScript with examples   6M
          i)   Alert Box ii) Confirm Box iii) Prompt Box

   b) Briefly explain about arrays in javascript with an example program.   6M
                                          (OR)
5 a) Explain about the following Events with suitable examples   6M
          i) onload   ii) onclick   iii)onmouseover
   b) What are the properties & methods of document object? Explain HTML DOM tree with an example.   6M

UNIT III
6 a) Write a valid XML document with external DTD.   6M
   b) Discuss in details about features of XML.   6M
                                          (OR)
7 a) Explain XML parsing process using XML converters.   6M
   b) What is an XSLT? How to convert XML data into XHTML using XSLT.   6M

UNIT IV
8 a) Give the key difference between traditional synchronous web application and AJAX web   6M
      applications.
   b) Discuss AJAX working model architecture with XHR objects methods.   6M
                                          (OR)
9 a) Difference between jQuery and Java Script.   6M
   b) Write an AJAX application to suggest the google names using jQuery.   6M