U.S.N [　][　][　][　][　][　][　][　][　][　]

P.E.S. College of Engineering, Mandya - 571 401

(An Autonomous Institution affiliated to VTU, Belgaum)

Seventh Semester, B.E. - Computer Science and Engineering

Semester End Examination; Dec. - 2015

Web Technologies

Time: 3 hrs   *Max. Marks: 100*

Note: Answer any **FIVE** full questions, selecting atleast **TWO** full question from each part.

PART - A

1 a. Explain request phase and response phase of HTTP.   8

  b. Write syntax and example for the following tags:

     i) <a>   ii) <input>   8

     iii) <img>   iv) <span>

  c. Differentiate between HTML and XHTML.   4

2 a. Write an XHTML document with heading "PES College of Engineering Mandya" three labels: Name, USN, Department, three text books for name, USN and department, a table consisting of following details: 8

I Sem Marks	II Sem Marks	III Sem Marks	IV Sem Marks	V Sem Marks	VI Sem Marks	VII Sem Marks
600	690	700	750	560	450	700

  b. Define CSS. Explain the three levels of style sheets with their format specification.   8

  c. Write XHTML document level style sheet for text decoration.   4

3 a. Explain the different primitive data types of JavaScript. Also list the properties of number object.   8

  b. Write a program in JavaScript to accept a number using prompt and to find binary equivalent of accepted number using user defined function.   8

  c. With example explain push, pop, shift and unshift array methods in JavaScript.   4

4 a. Explain the different approaches of addressing form elements in JavaScript.   8

  b. Write an XHTML document to display a form consisting of Eight text books to input register number, course code, marks in six subjects, and a button element. Also write JavaScript code to compute the average of all six subjects on click of button and to print average marks using alert.   8

  c. List and explain any four events that can be handled by text box and password elements. 4

PART - B

5 a. Write JavaScript code that illustrates dynamic stacking of images.   8

   b. Write JavaScript code to which displays the message Hello! How are you when the mouse button is pressed no matter where it is on the screen?   6

   c. Explain the position property and its possible values with an example for each in XHTML.   6

6 a. Define DTD. Explain how elements, attributes and entitles are declared in DTD with an example.   10

   b. Explain the purpose of using XML processor.   6

   c. Explain the purpose of using a CSS style sheet for an XML document.   4

7 a. With example explain string functions in PHP.   8

   b. With example explain how to create arrays in PHP.   4

   c. Explain scalar types in PHP with examples. Also explain how explicit types conversion can be specified in PHP.   8

8 a. Write PHP program to Insert Name, USN and Semester information into a table created using MYSQL and to display the current contents of table.   10

   b. Write PHP script to store page view count in SESSION, to increment the count on each refresh and to show the count on web page.   6

   c. What are cookies? Explain how cookies are set in PHP.   4

✻ ✻ ✻ ✻