U.S.N.

BMS College of Engineering, Bangalore-560019

(Autonomous Institute, Affiliated to VTU, Belgaum)

December 2016 Semester End Main Examinations

Course: Web Programming   Duration: **3 hrs**
Course Code: 15CS3DCWEP   Max Marks: **100**

Date: 20.12.2016

Instructions: **1.Answer any five full questions choosing one from each unit.**
2. Assume missing data (if any) suitably

UNIT 1

1 a) Discuss the Standard XHTML document structure.   05
   b) Explain the following tags with syntax and example   06
       i.   < blockquote >
       ii.   < pre >
       iii. < a >

   c) Write an HTML program to describe a table with the following contents: The   09
       columns of the table must have the headings Pine, Maple, Oak and Fir. The rows
       must have the labels Average Height, Average width, Typical lifespan and Leaf
       type. Fill the data cells with some values.

OR

2 a) Analyze the following program to identify errors. Rewrite the correct code.   08
   ```
   <html>
   <head>
   <style type = "text / javascript">
   # one { font –family: 'Lucida Calligraphy' ;  Color : Purple;}
   p { background – color = blue}
   .two [ font-family : 'Monotype Corsiva' and color:green;]
   </style>
   <body>
   <h6 style : " font family : ' Lucida Handwriting';" > web </h6>
   <h5 # = "one" > Programming </h5>
   <h4 class = "two"> CSE </h4>
   <p> Third Semester </p>
   </body>
   </html>
   ```
   b) With neat diagram explain Box Model.   05
   c) Design an HTML program that has a form with following controls.   07
       i.   Text box to collect student name
       ii.   List box with two department names as CSE and ISE
       iii. Two checkboxes with subject names as WP and C++
       iv.   Submit button

UNIT 2

3 a) With an example program demonstrate STACKING of HTML elements.   10

    b) Write JavaScript function code to perform the following   10
        i.   Input format of phone number should be +91 followed by hyphen and ten digit numbers. (Example: +91-1234567890). Input should be accepted using PROMPT method. Display the output as Valid or Invalid using ALERT method.
        ii.   Accept a string from the user and display the words of the string in descending order. Accept input string using PROMPT method. Display output using ALERT method.

OR

4 a) Design an HTML program that has checkboxes for *Book* (Rs.40/- each), *Pencil* (Rs.10/- each) and *Scale* (Rs.20/- each) along with Submit button. When user clicks on Submit button an event handler should be triggered which displays the message "The total cost is Rs.XX" using ALERT window, XX should be the total cost of the stationary items as selected by the user through checkboxes.   10

    b) Explain different ways of Positioning elements with an example program.   10

UNIT 3

5 a) Explain the following functions w.r.t PHP with an example for each   06
        i.   sort
        ii.   arsort
        iii.   ksort

    b) Develop a PHP program to find whether or not the current year is leap year using date function.   08

    c) Demonstrate with an example program passing of values between PHP pages using URL query string. Mention the disadvantages of passing values using URL query string.   06

UNIT 4

6 a) Design a PHP program to do the following   12
        i)   Insert two student records into student database table. Consider the data to be as follows:
                1BM14CS001, Aditya, CSE, 2-6-2016
                1BM14CS002, Bharath, ISE, 11-3-2016
        ii)   Display all student details by accessing student database table.
        iii)   Change the name of the student to "Balaji" with USN 1BM14CS002
        Consider database details as
                Database name : College
                Database username : abc
                Database password : abc123
                Hostname : localhost
                Database table name : *student* with columns as *USN, Name, Department Year – of- admission,*

    b) Explain two categories of user defined XML schema data types.   08

UNIT 5

7   a) Write an HTML Program to create an ordered list of two states. Each element of the list must have an unordered list of at least two cities in the states.   07

      b) Develop a XHTML document and JavaScript to count the number of names in the given array that end with either "ie" or "y".   07

      c) With diagram explain XSLT processing.   06

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