U.S.N.

BMS College of Engineering, Bangalore-560019

(Autonomous Institute, Affiliated to VTU, Belgaum)

January 2017 Semester End Make Up Examinations

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

                                                            Date: 16.01.2017

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

UNIT 1

1 a) Using HTML list tags it is required to display two main topics *Web Programming*   05
       and Programming with C++. The sub list items of *Web Programming* are HTML,
       CSS and JAVA SCRIPT. The sub lists items of *Programming with C++* are
       Classes, Objects, Polymorphism and Inheritance.
       Write an HTML program to illustrate the creation of above nested list using
       Un-ordered lists.

   b) Design an XHTML program that has a form to collect the details of an employee   08
       with the following controls.
       a.   A textbox to collect *empid*
       b.   Three checkboxes to collect his/her interests in *sports, cultural activity,
            travelling*
       c.   A pull down list with three departments names as *Accounts, Purchase,
            Marketing*
       d.   A submit and a reset button

   c) Discuss how conflict resolution will be carried out in CSS.   07
                                OR
2 a) Discuss the purpose of using the following tags. With an example for each.   10
         i.   textarea   ii. select   iii. caption   iv. dl   v. blockquote

   b)   Virtually all elements can have borders. Describe the box model used in CSS to   06
        represent the same.

   c) Develop a program that illustrates any two selector forms in CSS.   04

UNIT 2

3 a) Demonstrate with an example program the different levels of placing JavaScript   10
       inside HTML. In the example program, at least in one of the level call / include
       various methods for Screen output and Keyboard input.
   b) Illustrate with an example, how an object can be created in JavaScript.   06
   c) With an example discuss briefly any four Array methods in JavaScript.   04
                                OR

4 a) Develop a dynamic HTML program which should do the following.   10
       i.   A small image must appear at the position of the mouse cursor when the
             mouse button is pressed. Consider image file name as "bms.jpg".
       ii.   The image should disappear when the mouse button is released.

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

UNIT 3

5 a) Design a PHP program "main.php" to do the following   10
       i.   "main.php" should make a call to the function *testnum*( ). For *testnum*( )
             three arrays (arr1, arr2, arr3) should be passed as parameters. First array
             should be passed by value. Second and Third array should be passed by
             reference.
             Note: Initialize first array(arr1) with any eight element values which has both
             positive and negative numbers.
       ii.   The function *testnum*( ) should check each element of first array
             parameter (arr1). It should store positive numbers in second array
             parameter (arr2) and negative numbers in third array parameter (arr3).
       iii. In the main program "main.php", after making a function call it should
             print Second and Third array elements.

   b) Demonstrate how variable values are passed between pages in PHP using Sessions   10
       and Cookies by an example programs.

UNIT 4

6 a) Explain the various user-defined XML Schema data types with appropriate   08
       examples.
   b) Consider Database details as follows   12
       Database Name : employee
       Database Username: root
       Database Password: abc
       Host name: Localhost
       Database table name : *emp* with columns as *empid, name, dept, year–of- joining*,
       email
       Design a PHP program to do the following
       i.   Insert two employee records into the *emp* database table. Consider the
             employee data as follows
             420, Aditya, CSE, 1-1-2016, aditya@gmail.com
             421, Bharath, EC, 20-8-2015, bharath@gmail.com
       ii.   After successful insertion of above records, program should access *emp*
             database table and display the employee data.

UNIT 5

7 a) Illustrate the functionalities of the following attributes used in XHTML documents 08
       with supporting examples for each
        i) valign   ii) rowspan   iii) alt   iv) maxlength

   b) Explain XSLT processing with a diagram. Discuss the usage of *template, value-of*   06
       and *for-each* of XSLT stylesheet.

   c) With an example discuss the different ways to access/address XHTML elements.   06
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