Reg.No. \_\_\_\_\_\_\_\_\_\_\_\_



**End Semester Examination – Nov/Dec– 2017**

|  |  |  |  |
| --- | --- | --- | --- |
|  |  |  |  |
| **Code :** | **14CS2052** | **Duration :** | **3hrs** |
| **Sub. Name :** | **WEB TECHNOLOGY** | **Max. marks :** | **100** |

**ANSWER ALL QUESTIONS (5 x 20 = 100 Marks)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Q. No.** | **Sub Div.** | **Questions** | **Course**  **Outcome** | **Marks** |
| 1. | a. | Design a web page to illustrate all types of lists in HTML. | CO1 | 8 |
| b. | Explain how the element will be positioned on a webpage with CSS position property. Write HTML and CSS code to design the following layout. (Use only CSS position property for positioning). | CO1 | 12 |
| (OR) | | | | |
| 2. | a. | Design a form with an action value of submit.php and method value of”get”. Code the form with the following constraints. (\*) after each field indicates required fields and other fields are optional. Required field should not be empty.   * The Name field you create should have placeholder text required. * The register number field should have placeholder text, and a pattern (UR14CS000). * The department field should have a data list. * In club field set aqua club as a default option. * The mobile number field should have placeholder text, a pattern to restrict entry. Mobile Number is only 10 digit numbers. * The Email address field should have placeholder text. This field should also be required. Mail address in the format [xxxxxxxx@karunya.edu.in](mailto:xxxxxxxx@karunya.edu.in) | CO1 | 20 |
| 3. | a. | Describe the different ways to apply CSS to HTML element? Design a horizontal navigation bar with list of menu items using CSS. | CO1 | 10 |
|  | b. | Design a web page with the following CSS specifications.   1. Set different background color for alternative rows using CSS selectors. 2. Change the bullet type of ordered list with upper case alphabet (A). 3. Set the opacity of an image to 0.4 when the cursor hovers over it. | CO1 | 10 |
| (OR) | | | | |
| 4. | a. | Explain the properties of CSS box model with suitable CSS code. Compare the content box model and border box model. | CO1 | 10 |
|  | b. | Describe the various text and font properties with suitable CSS code. | CO1 | 10 |
|  |  |  |  |  |
| 5. |  | Design a Scientific calculator using JavaScript. | CO3 | 20 |
| (OR) | | | | |
| 6. | a. | Create a web page for blood donation website. Get the user details with blood group. Store the data in tables or arrays using JavaScript. Perform following function:   1. Sort with respect to blood group 2. Search by blood group | CO3 | 10 |
|  | b. | Design a banner for Online Shopping Portal using JQuery functions. | CO2 | 10 |
|  |  |  |  |  |
| 7. | a. | Write a PHP code to do the following:   1. Change the background color of the web page based on user preference. 2. Change the font style based on user preference. 3. Show number of page visits using session in a web site. | CO3 | 12 |
|  | b. | Create an XML file for student details and apply necessary styles using style sheet.   1. Centre align the content using margin 2. Set a background color for the web page 3. Wrap the content with dotted border | CO3 | 8 |
| (OR) | | | | |
| 8. |  | Design an online telephone directory system with a login page for the following services using PHP with database.   1. Add customer details (name, phone number, email) 2. Display customer details 3. Display the number of times the user has visited the page using $\_COOKIE 4. Set remember password option using $\_SESSION. | CO3 | 20 |
|  | |  |  |  |
|  | | **Compulsory**: |  |  |
| 9. | a. | Develop an AJAX program to illustrate the asynchronous server interaction in a Google suggest application. | CO2 | 10 |
|  | b. | Create an XML document with the following sample real estate data Root element real-estate will contain a sequence of sub-elements agencies, owners, properties and flats. Agencies, owners and properties must have one address (directly after their name). Each address consists of Street and number, Postal code, State, Country. Ensure well-formedness. Create an internal DTD for the XML document. Ensure its validity. | CO3 | 10 |

ALL THE BEST