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



**UNIVERSITY**

(Karunya Institute of Technology & Sciences)

(Declared as Deemed-to-be University under Sec.3 of the UGC Act, 1956)

**End Semester Examination – April / May – 2017**

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

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

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| Q. No. | Sub Div. | Questions | Course  Outcome | Marks |
| 1. | a. | Design a form with an action value of submit.html and method value of ”get”. Code the form with the following constraints.   * The name field should have placeholder text and not be empty. * The register number field should have placeholder text and a specified pattern (UR14CS000). * The age field should have a limit of 17 to 22. * The department field should have a dropdown list. * In non-academic club field should have radio buttons where the default value is aqua club. * The mobile number field should have placeholder text and set pattern to restrict entry (only 10 digits). * The email address field should have placeholder text. This field should not be empty. Accept mail address only in the format [xxx@karunya.edu.in](mailto:xxx@karunya.edu.in) | CO1 | 20 |
| (OR) | | | | |
| 2. | a. | Write a HTML code to design a web page which should display the available book details such as title , author details, quantity and price of the book in tabular format. | CO1 | 8 |
| b. | Write short notes on various types of lists available in HTML. | CO1 | 7 |
| c. | Explain block level and inline elements in HTML with suitable examples. | CO1 | 5 |
| 3. | a. | Explain the types of CSS in HTML and write CSS code to change the background color of every second row in the table using pseudo class selectors. | CO1 | 10 |
|  | b. | Write a code to design a webpage with one header and one section using HTML and CSS3.   * In header, design a <div> tag that contains website title and the text should be aligned at center with the font size of 44px. Apply background color and text shadow effect. * The section contains two <div> tags each occupy 50% of screen width. Both <div> tags should be displayed in same line with CSS3 position properties. | CO1 | 10 |
| (OR) | | | | |
| 4. | a. | Explain CSS box model layout and its properties. | CO1 | 10 |
|  | b. | Design a simple rollover effect horizontal navigation bar using list of links also change the background of the link when the user moves the cursor over the links. | CO1 | 10 |
| 5. | a. | Explain objects and arrays in JavaScript with suitable example. | CO2 | 10 |
|  | b. | Explain the various methods used for accepting inputs and for displaying output on the screen in JavaScript. Write a JavaScript for accepting three integers from the user and display the sum, average, and product of the numbers on the browser window. | CO2 | 10 |
| (OR) | | | | |
| 6. | a. | Design a Currency Convertor using Javascript. Write the convert( ) function that takes the value in the text input and converts it from rupees to dollar vice versa based on the button click respectively. The conversion factor from rupees to dollars is 0.015, and the conversion factor from dollars to rupees is 67.12. | CO2 | 10 |
|  | b. | Write a JavaScript program to get an input string from the user and do the following functions based on users choice.  i) Find the length of the string.  ii) Retrieve a substring from a given string  iii) Check the string is palindrome or not.  iv) Display the text WeB TeChNoLoGy using string functions only. | CO2 | 10 |
| 7. | a. | Write PHP program to define a class called Employee with two properties (name, id) and methods such as getdetails(), displaydetails(). Instantiate the employee class and perfom the functions with sample data. | CO3 | 10 |
|  | b. | Develop an AJAX program to illustrate the asynchronous server interaction to provide the list of suggestions as per the given user input. | CO3 | 10 |
| (OR) | | | | |
| 8. |  | Write PHP code to connect the database “IIICSE” . Assume the database contains a table “login” with fields username (VARCHAR), password (INT). Perform the following operations:   * Design a login page and check for valid user. * Register for a new user. * Display all the users. * Update the password by giving the username. * Display the number of times the user has visited the page using $\_COOKIE. | CO3 | 20 |
|  | | **Compulsory:** |  |  |
| 9. | a. | Create a XML document for student details and write a DTD for that with the following constraints.   * The document should contains student details * The student must contains regNo as an attribute * Each student must contain firstName, lastName and department * The firstName and lastName contains parsed character data * The department contains one or more courses * Each courses must contain name and code. * The name and code contains the parsed character data. | CO3 | 10 |
|  | b. | Attach CSS for the above XML document.   * Set the background image * The firstname should be displayed with blue color and the background with pink color * The grade should be displayed in italic font style | CO3 | 10 |