|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | | |  |  | |  |
|  |  | |  |
|  | | | | | |  |
| 1. |  | Mr. X tries to explore Internet for the first time. He needs an assistance for the same. Help him to explore Internet on the basis of networks and its protocols. | | | [12] | |
| 2. |  | Raj has a music portal website. Whenever he gets a copyright for an album, he uploads in his portal. Music lovers can just listen to the music and not download it. But unfortunately his music albums were hacked consequently. Suggest him with a protocol which gives security to his website. Justify with detailed description. | | | [8] | |
| 3. |  | Write HTML Code for the following Table.   |  |  |  | | --- | --- | --- | | this cell spans across three columns | | | | Hello | good | Bye | | Lorem | Ipsum | Dolor | | this cell spans across two columns | | !!! |   Apply External CSS for the following.   * Apply spacing for border * Give a Caption for the table * Font Face should be Arial of size 12 * Set different colors for rows 1, 2 and 3. * Repeat same color as row 1 in row 4. * When more contents are typed in a cell, the size of the font should be decreased automatically. | | | [10] | |
| 4. |  | You are appointed as a web page designer for a company which is hiring fresh B.Tech students. Design an interactive webpage using forms and get the applicants’ detailed academic and personal information. Once the applicant submits the application, the information provided should be displayed in the web page in a tabular format. Write a Javascript code for the same and validate each field of input as follows   * Each input should have mandatory values * The name of the candidate should be non numeric * The phone number should be numeric restricted to 10 digits * E-Mail should be validated using regular expression * Restrict the submission if the age of the candidate is not within 21 to 24 | | | [10] | |
| 5. |  | Consider that there are two arrays A and B each of size 10. Array ‘A’ contains numbers with multiples of 5 of any range. Array ‘B’ contains numbers with multiples of 3 of any range. Write a Java code to perform and display the following.   * Add the numbers of Array ‘A’ and Array ‘B’ in each position and check whether the sum is a prime number or not. * List the positions in which the sum is prime and display in the web page * Create a matrix of values of Array ‘A’ (coloumn 1), Array ‘B’ (coloumn 2) and Sum of Array ‘A’ and Array ‘B' in each position (coloumn 3). * Display the sum of common multiples of 3 and 5 from the array. | | | [15] | |
| 6. |  | Display the current date and time using JSP | | | [5] | |
| 7. |  | Consider the following database schema.  dob (day, month, year)  Day is of a two digit numeric datatype  Month is of character datatype  Year is of four digit numeric datatype  Write a PHP code using MySQL and perform the following   * Set a DB connection * Create a database and the table specified above * Insert Five rows using multiple insertion * Get a single digit number from the user through text box. * If the number matches with a part of the date or year and if year of the record is a leap year, display the dob format as yyyy/mm/dd in the web page. * Else display the dob format as dd/mm/yyyy in the web page   Note: Let the entered number is 6 and the dob of a record is (13, December, 1996), 6 is present as the part of the year, and also the year 1996 is a leap year, hence the date will be displayed as 1996/December/6. | | | [12] | |
| 8. |  | Create a form for XyZ University with regno[text], name[text], 10 courses[check box] and its credits [As a value of the checkbox]. Perform the following with PHP and MySQL   * A student has to enter his regno, name and should check atleast 5 to a maximum of 10 number of courses specified in the checkboxes. * When he submits his information, the data that should be inserted into the table are (regno, name, number of courses, sum of credits of the selected courses) * Display the student details whose total credit is <=16 | | | [8] | |
| 9. |  | Implement the following cookies using PHP   * Create a cookie with a value IWP. * The cookie should expire in 3 days * Check whether the cookie is present in the website. If so display else throw an error * Check whether the cookie is enabled or not. Print the status * Delete the created cookie before an hour * Check whether the cookie is disabled or not. Print the status | | | [10] | |
| 10. |  | Assume that you are organizing a workshop. You are asked to upload the poster for your workshop along with the organizers photograph in VIT intranet. The poster should be of pdf format limited to size 1 MB and the photograph should be of jpeg format limited to 5 MB. The web page should have two links.   1. Uploading the poster 2. Uploading the photograph | | | [10] | |
| ⇔⇔⇔ | | | | | |  |