**DON BOSCO INSTITUTE OF TECHNOLOGY**

Kumbalagodu, Mysore Road, Bengaluru – 560074

**Department of Computer Science & Engineering**

ASSIGNMENT QUESTIONS

Course Name: Web Technology and its Applications

Course Code: 18CS63 Date :05-07-22

Semester: VII Max marks: 10

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| **Q NO** | **Group-A** | **CO** | **RBTL** |
| 1.  2.  3.    4.  5. | How do achieve data encapsulation in PHP? give example.  With suitable PHP script, explain loading and processing an XML document in JavaScript.  Write a PHP program to sort the student records which are stored in the database using selection sort  What are HTTP cookies? how do handle them in PHP.  What does $( ) short stand for JQuery ?Explain any 3 Query from selectors | **CO4**  **CO4**  **CO4**  **CO5**  **CO5** | **L2**  **L2**  **L3**  **L2**  **L2** |
|  | **Group-B** |  |  |
| 1.  2.  3.  4.  5. | Why state is a problem for a web application? Explain.  Write the DTD for the following XML code  <?XML version=”1.0”encoding=”ISO-8859-1”?>  <art>  <painting id=”290”>\  <title>Balcony</title >  <artist>  <name> Ram<</name>  <nationality> Indian</nationality>  </artist>  <year>1993<year>  <medium> oil on canvas</medium>  </painting>  </art>  With the suitable script explain creating and reading cookies?  With a suitable script explain AJAX GET request and POST request.  With suitable example explain the four basic JQuery selectors. | **CO4**  **CO5**  **CO5**  **CO5**  **CO5** | **L3**  **L2**  **L2**  **L2**  **L2** |
|  | **Group-C** |  |  |
| 1.  2.  3.  4.  5. | Explain the three approaches to restrict the file size in file upload with code segment.  Explain the different type of caching used to improve the performance of web application.  Write the PHP program to create a class Employee with the following specification  Data member: Name, ID, Payment.  Member function: Read (geTters)and write (setters).  Explain JavaScript Pseudo classes with explain.  Explain the converting JSON string to JSON Objects in JavaScript with suitable code segments. | **CO5**  **CO5**  **CO4**  **CO5**  **CO5** | **L2**  **L2**  **L3**  **L3**  **L3** |
|  | **Group-D** |  |  |
| 1.  2.  3.  4.  5. | Write a PHP program to sort the student records which are stored in the database using selection sort.  With suitable PHP scripts, explain checking session extence and accessing session state.  Write a PHP program to keep track of the number of visitors visiting the web page and to display this count of visitors, with proper headings.  Write the PHP program to   1. Implement the simple Calculator 2. Find the transpose of matrix   Write the PHP program to   1. Multiplication of a matrix 2. Addition of matrix | **CO4**  **CO4**  **CO4**  **CO4**  **CO4** | **L3**  **L3**  **L3**  **L3**  **L3** |

COURSE OUTCOME: -

4. Appraise the principles of object oriented development using PHP

5. Inspect JavaScript frameworks like jQuery and Backbone which facilitates developer

to focus on core features

HOD SIGNATURE