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| Course: | **Web Engineering LAB** | Date: 04/01/2024 |
| Course Code: | SEN-310 | Session: I |
| Faculty’s Name: | Dr. Muhammad Asif | Max Marks: 30 |
| Time Allowed: | 2.5 Hours | Total Pages: (3) |

**INSTRUCTIONS:**

1. This is open book exam. Plagiarism is strictly prohibited.
2. All 4 questions are compulsory.
3. Read complete paper first before starting answer.
4. All Questions are interlinked(parts of one website), no need to re-write any code, especially HTML already written for one part , must not be re-written for use in any other part of paper.
5. You don't need to create database or tables (We will assume these are already created), tblusers is already populated with users as well.
6. In this paper we will create a small students data entry website
7. VIVA will also be conducted of weightage 50%.

Student’s Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Enroll No:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

(USE CAPITAL LETTERS)

**Q No. 1: (MARKS 2+2+2+2=8) (CLO-1)**

By recalling the **KNOWLEDGE** of **PHP and MYSQL** by **DESCRIBING** the following Scenario of Web Page, Please write down a code?

***Database Name:*** *BUICDB*

***Tables:***

*- tblusers { firstname(varchar 50)*

*lastname(varchar 50)*

*username(varchar 50)*

*password(varchar 50)*

*}*

*- tblstudents*

*{registration\_no(varchar 15)*

*firstname(varchar 50)*

*middlename(varchar 10)*

*lastname(varchar 50)*

*phone(varchar 15)*

*email(varchar 50)*

*degree(varchar 20)*

*registrationyear (varchar 20)*

*}*

*A:* ***Sign in form(login form):***

***- Login user by verifying it from database table. Two pages will be used***

***- Signin.php (Login and password input box with a submit button) (2)***

***- verifylogin.php (verify user from tblusers) (2)***

***- After successful login verification, session should start, user should be redirected to “userhome.php”(2)***

***- Incase of incorrect login(username or password), redirect user back to login.php (“No need to display any message on failed login”) (2)***

**Question # 2 (1+1+1+5=8 Marks) (CLO-2)**

By **INTERPRETING** the concept of **SignIn and SignOut,** Write a code to design the following Sign In form. You should do the following tasks:

*B:* ***After log in, user should have following links (anchor tag) on the page userhome.php:***

***- “Add new student”: On clicking Add new student , should take user to***

***“Addnewstudentsform.php” page, detail of the page is provided in part (C:1) (1)***

***- “Display all student”: on clicking “Display All Students” link, system should take***

***user to displayallstudents.php page, detail of the page is provided in part (C:3) (1)***

***- Username and “Logout” link should show on top right corner (1)***

***- On clicking “logout” link, system should take user to “logout.php” page where you need to close the sessions properly, and text to user “You have been logged out successfully, click here to Login again. Here login will be a hyperlink to take user to***

***login.php page(5)***

**Question # 3 (2+2+4=8 Marks) (CLO-2)**

By **INTERPRETING** the concept of **Server Side Handling,** Write a code to do the following tasks:

*C:*

1. ***Create HTML page “Addnewstudentsform.php” having Form to take user input for fields mentioned in tblstudents. (2)***
2. ***Write down php page , “addnewstudents.php” to add datain tblstudents table.whereas “registration\_no“ field is to be entered by user, it’s not auto number.(2)***
3. ***Write down PHP “displayallstudents.php” page to show list of all students, having all fields present in“tblstudents”, use HTML <table> tag to better format data on this page. (4)***

**Question # 4 (6 Marks) (CLO-3)**

**UNDERSTAND** the following problem statements and **SOLVE** by using **JQUERY/JSON/AJAX, Write down the code to do the following tasks:**

*D:* ***Write down Jquery AJAX code to send data from "Addnewstudentsform.php" to "addnewstudents.php" and display “New student added successfully” message as “Alert” from AJAX code (6)***

**Best of Luck**