

**Bahria University, Islamabad Campus**

**Department of Computer Science**

**Final**

**Term Examination**

**Class & Section: BS**

**(**

**CS)**

**-**

**6**

**C**

**Morning**

**(**

**Spring**

**2024**

**Semester)**

**Paper Type: Descriptive**

Course

:

**Web Engineering**

**LAB**

Date

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03

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06

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2024

Course Code: SEL-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 3 questions are compulsory.
3. Read complete paper first before starting answer.
4. VIVA will also be conducted of weightage 50%.

Student’s

N

ame:

E

nroll No:

(

USE CAPITAL LETTERS

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# Q No. 1: (MARKS 3+3+4=10) (CLO-1)

By recalling the **KNOWLEDGE** of **HTML/HTML5, CSS, Javascript, PHP and MYSQL** by **DESCRIBING** the following Scenario of Web Page, Please write down a code?

# (PART-A)

By using **HTML/HTML5/CSS**, Design student detail form which contains text box to accept the first name, last name, Text Area to accept the Address of the student, Date of Birth three combo boxes one for days (1 to 31), one for month (January to December), one for year (1994 to 2024), Use radio button to accept the gender (male, female) and Stream (Science, Commerce, Arts), Use Check Box to accept the hobbies (reading, outdoor games, watching TV, Internet Surfing) and contains the two button (Submit and Reset Button).

# (PART-B)

By using **JavaScript**, Write the code for validating the **first name and last name text boxes to accept only characters.** Once the **date of Birth is entered, display the age in Alert message box.**

# (PART-C)

Write **PHP** code files so that **on click on the submit button**, the data of **PART ‘A’** should be entered in the **database MYSQL**. Create suitable table. Display the details in the **HTML table** from the database on a new web page.

## Question # 2 (3+3+4=10 Marks) (CLO-2)

By **INTERPRETING** the concept of JAvascript, XML HTTP Request of AJAX and PHP**,**

Write a code to do the following tasks:

**Create 3 files:** **student.html, selectstudent.js, and getstudent.php.**

# (PART-A) student.html

o create a form with a single selection box o entries in the selection box will be the following names: **Tom, Amanda, Scott** o when the selection is changed, you will call a **javascript** function and pass (as a parameter) the new value

**(PART-B)**

# selectstudent.js

* create an XML HTTP Request
* send the selection from above as **POST** data to getstudent.php

# (PART-C) getstudent.php

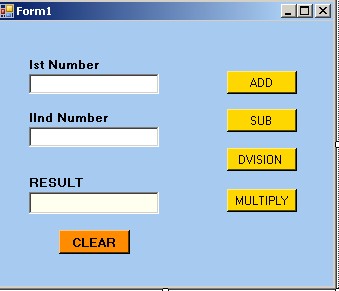
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echo out what was selected

* modify getstudent.php to query an your "Student" **MYsql database**, which will contain the **students names** from above. Return the record for the student in an **HTML table format** (fields going down) **OR**
* create a **.xml file** that contains student records and use it to return the information about a particular student

## Question # 3 (2.5+2.5+2.5+2.5=10 Marks) (CLO-3)

**UNDERSTAND** the following problem statement and **SOLVE** by using **ASP.NET C# web application,** Write down the code to do the following task **by implementing 4 functions and call them on the buttons click. You can use Microsoft Visual Studio.Net.**



Best of Luck