

Pabna University of Science & Technology
Department of Information and Communication Engineering
B.Sc. (Engineering) 3rd Year 1st Semester Examination-2021
Session: **2018-2019**

Course Code: ICE-3104
Time: 4 Hours

Course Title: Web Programming Sessional
Total Marks: 40

HTML & CSS

- 01 Create a simple HTML page which demonstrates the use of the various types of lists.
- 02 Write HTML page named home.html to create a frameset with two vertical frames: the first frame is 250 pixels wide. Fill the first frame (left_vertical) with *links.html*. Second frame further divided into two horizontal frames (400px, 350px). Fill the Top frame (right_top) with *ice.html* and Bottom (right_bottom) with *it.html*.
- 03 Create a HTML document giving details of your [Name, Age], [Address, Phone] and [Register Number, Class] aligned in proper order using alignment attributes of Paragraph tag.
- 04 Create a web page for internal links; when the user clicks on different links on the webpage it should go to the appropriate locations/sections in the same page.
- 05 Write HTML & CSS code for following table.

A test table with merged cells

	Average		Red eyes
	height	weight	
Males	1.9	0.003	40%
Females	1.7	0.002	43%

- 06 Write HTML for the following registration page & use CSS to beautify it as your own choice.

Personal Details

Name:

E-mail:

Phone Number:

Password:

Gender: ☐ Male ☐ Female

JavaScript

- 07 Write JavaScript to validate the following fields of the Question 06 registration page.
 - i) Name (Name should contains alphabets and the length should not be less than 6 characters).
 - ii) E-mail (should not contain any invalid and must follow the standard patternname@domain.com).
 - iii) Phone Number (Phone Number should contain 10 digits only).
 - iv) Password (Password should not be less than 6 characters length).
- 08 Write a JavaScript program to calculate multiplication and division of two numbers.
- 09 Write a JavaScript for loop that will iterate from 0 to 15. For each iteration, it will check if the current number is odd or even, and display a message to the screen.

PHP

- 10 Write a PHP program to calculate Electricity bill in single page.

Conditions:

- For units less 50 – Taka. 3.50/unit
- For units 51 to 100 – Taka. 4.00/unit
- For units 101 to 200 – Taka. 5.20/unit
- For units above 250 – Taka. 6.50/unit

- 11 Write a simple calculator program using PHP in single page.

Operations:

- Addition
- Subtraction
- Multiplication
- Division

- 12 A. Solve the following **Task-1** and **Task-2**.

Task-1: Create a database called **Student** in XAMPP MySQL.

Task-2: Create a table called **Semester_Reg** in the **Student** database having the structure as shown below.

Field name	Data type	Requirement
ID	Number/Text	Mandatory and primary key
Name	Text	Mandatory
Session	Text	Must follow the format like 2017-2018
Phone_No	Text	Optional
City	Text	For example Pabna
Gender	Text	Only (Male or Female)

B. Solve the following ✓ marked tasks.

Task 3: Insert some sample data into **Semester_Reg** table using PHP program.

Task 4: Write a PHP program to show the all records of **Semester_Reg** table.

Task 5: Delete single sample data from **Semester_Reg** table using PHP program.

Task 6: Update one sample data of **Semester_Reg** table using PHP program.

- 13 A. Solve the following **Task-1** and **Task-2**.

Task-1: Create a database called **Programmer-** in XAMPP MySQL.

Task-2: Create a table called **Stu_Reg** in the **Programmer** database having the structure as shown below.

Field name	Data type	Requirement
ID	Varchar (30)	Mandatory and primary key
Name	Text	Optional
Image	Varchar(400)	Optional
Password	Number/ Varchar (20)	Mandatory

B. Solve the following ✓ marked tasks.

Task 3: Insert some sample data into **Stu_Reg** table including an encryption algorithm to secure the password.

Task 4: Write a PHP program to show the all records of **Stu_Reg** table.

Task 5: Delete single sample record from **Stu_Reg** table using PHP program.