**CSSE3101 – ADVANCED WEB TECHNOLOGIES**

**SHORT TEST**

**SPRING SEMESTER AY 2022-2023**

**SECTION I: 10 marks**

***Instructions:*** Make a folder TEST on Desktop. Download the exam work files**(payroll.html and employee.jpg)** from Moodle and place files in your folder. Open the file **payroll.html** and answer all the questions.

**Refer to the wireframe given to create the required web page layout.**

|  |  |  |
| --- | --- | --- |
| Employee Payroll Calculator | | |
| Vision Statement | Image | Form  Summary |

**Q1)** Update the **payroll.html** file based on the instructions provided below.

|  |  |
| --- | --- |
| 1. Create the layout using Bootstrap Grids. | *[2 marks]* |
| 1. Apply the Bootstrap class to change color of the vision statement text. | *[1 mark]* |
| 1. Apply the appropriate classes for the form elements. | *[1 mark]* |

**Q2)** Use your **payroll.html** file in the previous section. Write the JavaScript code to implement

the required functionalities.

|  |  |
| --- | --- |
| 1. Create a JavaScript function **computePayroll().** | *[1 mark]* |
| 1. The function has to calculate the bonus and Gross salary. The bonus is 10% of basic salary if the basic salary is up to 1000 rials. Otherwise, the bonus is 5% of basic salary. The Gross salary is calculated by the following formula.   Gross Salary = Basic Salary + Bonus | *[2 marks]* |
| 1. The function also has to validate if the salary is less than or equal to zero and will display an alert message *“Please enter valid Salary.”* | *[1 mark]* |
| 1. The function also displays the Bonus and Gross salary in the summary section. | *[1 mark]* |
| 1. Invoke the function when the user clicks the button | *[1 mark]* |

**Expected Output.**

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