United International University
Department of CSE
CSE 465: Web Programming
Midterm Examination, Summer 2021

Time: 1 Hour   **Full Marks: 20**

Answer all the questions. Assume any data if it is not mentioned explicitly.

1   Consider the following code snippet.

```
<html>
    <head>
        <style>
        div {
            height: 100px
        }
        .container > .box {
            margin: 10px,
            padding: 20px,
            width: 15px
        }
        </style>
    </head>
    <body>
        <div>
        <span class="container">
            <span class="box">Box1</span>
            <span class="box">Box2</span>
            <span class="box">Box3</span>
        </span>
        </div>
    </body>
</html>
```

From the code above-

a) Find out the total width of the **container** span. Show and explain the steps.   [5]

b) Using **Flexbox**, write the CSS code to center the Box1, Box2, and Box3 horizontally and vertically. The boxes should take up only their heights and not stretch up to the height of the div. Write only the additional CSS code, no need to write the whole HTML code in your script.   [5]

2   a) Write an HTML document that contains the following divisions stacked up.   [5]

   i)   A <div> having a label ("Input:"), a textbox, and a button ("Process input")
   ii)   A <div> with a header ("Small Words") and an empty paragraph (id=p1).
   iii) A <div> with a header ("Big Words") and an empty paragraph (id=p2).

b) Write down the JavaScript code for the HTML you have written in Q2 (a) so that it will be able to take a string (a few words, separated by comma) as input through the textbox when the button is pressed, and show the words that have less than 6 characters in the Small Words section, and the rest of the words (that have equal to or more than 6 characters) under the Big Words section. See an example below.   [5]

Sample Input	Expected Output
January, February, March, April, May	**Small Words** March, April, May **Big Words** January, February