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ISLAMIC UNIVERSITY OF TECHNOLOGY (IUT)
ORGANISATION OF ISLAMIC COOPERATION (OIC)
Department of Computer Science and Engineering (CSE)

MID SEMESTER EXAMINATION   WINTER SEMESTER, 2017-2018
DURATION: 1 Hour 30 Minutes   **FULL MARKS: 75**

CSE 4539: Web Programming

Programmable calculators are not allowed. Do not write anything on the question paper.
There are **4 (four)** questions. Answer any **3 (three)** of them.
Figures in the right margin indicate marks.

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1. a) Define "Block-level Elements" and "Inline-elements" in HTML with appropriate examples.   4

   b) Write Short notes on the following CSS attributes with appropriate examples: 4x2.5
      i.   Position: Absolute
      ii.   Position: Fixed
      iii. Position: Relative
      iv.   Position: Sticky

   c) Write only the necessary CSS codes for **converting** Figure.1(c)_1 into Figure.1(c)_2   4

i. HTML ii. CSS iii. JAVASCRIPT	HTML CSS JAVASCRIPT
Figure 1(c) _1	Figure 1(c) _2

   d) Modify the following HTML code for converting to XHTML: 7

   ```
   <Html>
   <BODY>
        <p>HTML is fun! <br> CSS is fun also!
        <p> <b> this is bold text</p> </b>
        <IMG src="image.jpg" width=50%>
   </BODY>
   </html>
   ```

2. a) Both 'Class' and 'ID' attributes are used to define styles of certain HTML elements. With   7
      some appropriate examples explain which one of these two is helpful for which cases.

b) Write the appropriate HTML code for creating the following table: 9

My Menu		
ROUTINE	Breakfast	Egg
		Bread
	Lunch	Rice
		Meat
	Dinner	Rice
		Chicken

Figure. 2(b)

c) Modify the HTML code for increasing HTML Accessibility (Use proper HTML tags.)   9

```
<! DOCTYPE html>
<html>
<head>
        <title></title>
</head>
<body>
        <img src="image.jpg">
        <p style="font-size: 20px">Heading 1</p>
        <p>"This is a quotation"</p>
        <p>
            My Address is :<br>Islamic University of Technology<br> Gazipur<br> Dhaka
        </p>
        <p>Newton found the formula: F=M*a</p>
        <p>C program for this formula might be :<br>
                <p>int M,a</p>
                <p>scanf("%d%d",&M,&a)</p>
                <p>Printf("%d",M*a)</p>
        </p>
</body>
</html>
```

3. a) In how many ways can CSS be added to HTML elements? Explain with short examples.   6

b) Write the necessary HTML/CSS codes for generating the following output:[default font is   8
'Times new roman,11px', The other font used in the text is 'Courier New']

> o   On **15th March**, Web exam ~~shall~~
>   will *take* <u>Place</u>.
> o   Everyone should `take good`
>   preparation for the exam.
> o   Click this <u>link</u> for exam syllabus.

c) Explain the following CSS properties with example: 3x3
   i.   _Outline-offset
   ii.   Overflow: auto
   iii.   Box-sizing: border box;

d) Write the difference between 'display: none' and 'visibility: hidden' attributes in CSS.   2

4. a) Write the necessary HTML & CSS codes for converting Figure.4 (a) _1 to Figure 4(a) _2   6
   when user hovers the mouse pointer on Figure.4 (a)_1.

<u>This is a link</u>

Figure.4 (a) _1

<u>This is a link</u>

Figure.4 (a) _1

b) Mention different types of 'INPUT TYPES' (at least 5) of a **Form** and explain their usage.   10

c) What is the use of JavaScript in a webpage? Write the necessary HTML & JavaScript codes   1+6
   so that if the button is clicked, The heading will be replaced by the current date and time.

HEADING

Click me to display Date and Time.

d) Explain the CSS attribute: "margin: auto".   2