

HTML5

- 1) Briefly explain the difference between section and article in HTML5 (4 marks)
- 2) Briefly explain the difference between a header and a nav element in HTML5 (4 marks)
- 3) In HTML5, if we want to see some extra information on a user click, which element should we use? (2 marks)
- 4) Briefly explain the difference between meter and progress in HTML5 (4 marks)
- 5) Consider the HTML and CSS below: (5 marks)

HTML

```
<!DOCTYPE html>
<html>
<head>
  <link rel="stylesheet" type="text/css" href="styles.css">
</head>
<body>
  <div id="myDiv" class="myClass" style="color: purple;">This is a colored div.</div>
</body>
</html>
```

Styles.css

```
#myDiv {
  color: red !important;
}

.myClass {
  color: blue;
}

div {
  color: green;
}
```

In this specific example what would be the colour of the div? **Don't forget that we have an inline style defined as well.**

- 6) Create a desktop style (menu bar), where you are using flex display, and on the desktop version, the items of the menu bar should appear in a row. (You may use the desktop first approach for this) (10 marks)

See the diagram for the required effects:

Desktop:



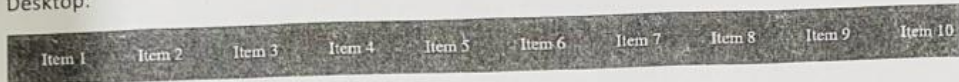
7) Convert this row in question no. 6 to

- a) one column with items centered for mobile (device size: up to 600px), as shown in the diagram below and
- b) two rows for tablets (device size range: 601px – 900px), as shown in the diagram below.

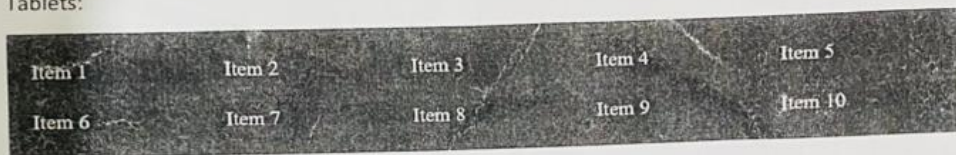
Hint: use wrap effect and basis with calc function for tablet styles. (15 marks)

See the diagrams for the required effects:

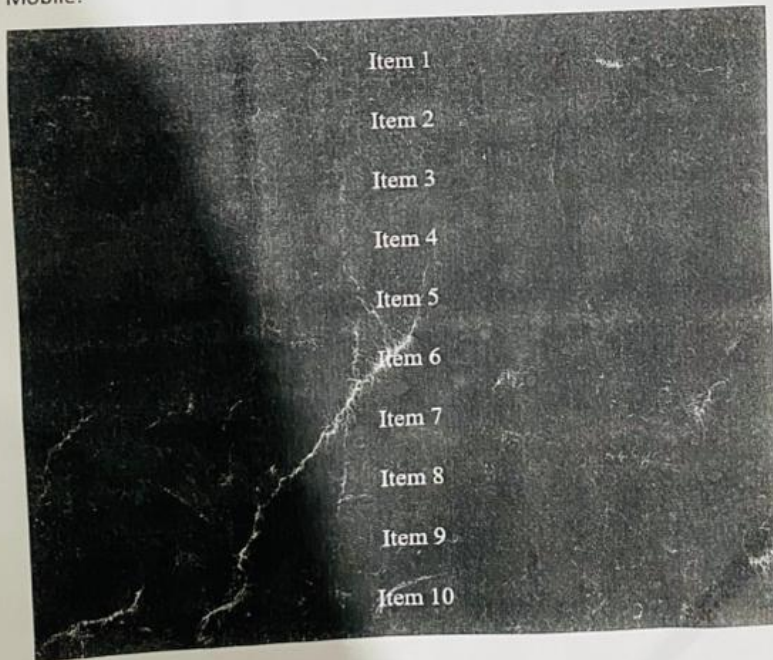
Desktop:



Tablets:



Mobile:



- 8) Consider the picture and code snippet below. Create the code to add the background gradient to the code to produce the page shown in the picture below. Don't forget the white content section with white text colour. The content must be centered, as shown in the diagram below (7 marks)



For clarity, the required HTML is displayed below. You are required to write the CSS for sectionLinearGradientBackground (for gradient effect), whiteContentSection (for white color and text positioning) and directionRow (for content positioning and flexibility, default direction is column)

```
<section class="sectionLinearGradientBackground whiteContentSection">
  <h2>The Founding Members</h2>
  <div class="directionRow">
    <article>
      
      <h3 class="textCenter">Soraya</h3>
      <p class="textCenter">Longboard</p>
    </article>
    <article>
      
      <h3 class="textCenter">Mark</h3>
      <p class="textCenter">Street</p>
    </article>
    <article>
      
      <h3 class="textCenter">Pedro</h3>
      <p class="textCenter">Pool</p>
    </article>
  </div>
</section>
```

For the gradient, the main color is #E44444 and the second color is #CD487B.

- 9) Circle on your Portfolio code, using the letters below as labels, where you used the following CSS3 selectors. In your answer book, explain in plain English the effect of each declaration you specified. For each of these you will receive 2 marks for using an appropriate selector, and 2 marks for a correct explanation.
- A. Attribute selector (4 marks)
 - B. Negation pseudo class (4 marks)
 - C. Nth pseudo class (4 marks)

