

Students are advised to take care of QUESTIONS DEGREES

**Q1.** [Degrees: 20]

For the following HTML page answer the next questions

```
<!DOCTYPE html>
<html>
<head>
<title>Vanishing Act</title>
<link rel='stylesheet' type='text/css' href='stylesheet.css'/>
<script type='text/javascript' src='jquery.min.js'></script>
</head>
<body>
<div class="c1"><p>div 1 </p></div>
<div class="c1"><p>div2 </p></div>
  <div class="vanish"><p>div3</p></div>
<div id='d1'>d1 </div>
<br/><button id="hide">hide Me!</button>
<button id="fade">fade Me!</button>
<button id="slide">slide e!</button>
</body>
</html>
```

Write the script that does the following actions

1. Hide all 'div's belongs to class 'c1' when you click hide button.
2. Fade out all 'div's doesn't belong to 'c1' class when you click fade button.
3. Slide 'div' has 'd1' id when you click slide button.
4. Hide 'div' if you click on it.

**Q2.** [Degrees: 15]

1-Write down the html code that builds the following table:

Month	saving	Total
Jan	100	400
Feb	200	
Mar	100	
Months No		3

2- For the 'table' element what is the function of the following:  
Cellspacing, cellpadding, tbody, tfooter

3- What is the difference between '=' and '==' and '===' in javascript

### Q3. [Degrees: 10]

- 1- Give a short description for each statement of the following HTML code and then describe the dynamic activity of the page:

```
<html>
  <head>
    <script src="jquery.min.js"></script>
    <script>
      $(document).ready(function() {
        $('tr').click(function() {
          $('tr').removeClass('changeBack');
          $(this).addClass('changeBack');
        })
      });
    </script>
    <style>
      .changeBack {
        background-color: #dddddd;
        color: #666666;
      }
    </style>
  </head>
  <body>
    <table border=1px>
      <tr>
        <th>Company</th>
        <th>Contact</th>
        <th>Country</th>
      </tr>
      <tr>
        <td>Alfreds Futterkiste</td>
        <td>Maria Anders</td>
        <td>Germany</td>
      </tr>
      <tr>
        <td>Berghlunds snabbk </td>
        <td>Christina Berglund</td>
        <td>Sweden</td>
      </tr>
    </table>
  </body>
</html>
```

2- JQuery is a javascript library: True or False?

3- How to change the background color of HTML element with JQuery?

### Q4. [Degrees: 15]

Answer the following:

1. What is the difference between the 'java' and 'java script'?
2. What is the difference between the 'while' and 'do .... While' in loops?
3. What is the output of the following JavaScript code:

```
<html>
  <script>
    var i = 0;
    while (i <= 5) {
      document.write(i + "<br>");
      i++;
    }
    document.write("<br>I = " + i + "<br>");
    do {
      document.write(i + "<br>");
      i++;
    } while(i<=5)
  </script>
</html>
```

If the 'do ... while' condition is changed to 10 instead of 5 as seen above what is the output.

### Q5. [Degrees: 10]

Write down a web page that draws the following form:

Name

Birth Date (dd/mm/yyyy)

Once the OK button is pressed, check the entered data locally:

- Validate the name to be less than 70 characters
- Calculate the age of the persons