This exam has 150 points.

1. (55 points, 5 points for each question)
   
   (a) -

   (b) i. `<head>`, `</head>`. Contains information (title, author and other information) and JavaScript programs.
   
   ii. `<body>`, `</body>`.

   iii. `<!-- -->`. Comment tags, information not displayed on the page.

   iv. `<title>`, `</title>`.

   v. `<ol>`, `</ol>`.

   vi. `<li>`.

   vii. `<br>`.

   (c) Place `<center>`, `</center>` before and after the `<h1>`, `</h1>`.
(d) Change body tag to `<body bgcolor="blue">`.

(e) Change the list to tags `<ul>`, `</ul>`. This puts the bullet symbol (●) before each list item.
2. (30 points).

(a) (8 points)
(b) (7 points)

Memory for the form Problem2

(c) (5 points) Creates a memory local for the form called display which will contain the contents of the textarea.

(d) (5 points) <input type="text" name="data" value = "the temperature" >.

(e) (5 points) <textarea name="display" rows=1 cols=40 wrap="virtual">The Answer</textarea>.
3. (25 points, 5 points for each question).

```javascript
<script language="JavaScript">
//-->
function Calculate()
{
1 var c, f, output;
2 c = parseFloat(document.Problem2.data.value);
3 f = 9/5*c +32;
4 output = "The Fahrenheit temperature is " + f;
5 document.Problem2.display.value = output;
}
//-->
</script>

(a) Creates locations in the JavaScript part of memory for the variables 
c, f, and output.

(b), (c), (d), (e). See program above.
4. (40 points)
   (a) (5 points)

Display salary

- hoursworked
- display

JavaScript - Compute_salary

- hours
- salary
- content
Part (b) 3 points; Parts (c), (d), (f), (g) 4 points each; part (e) 16 points. The answers are in the following code for the JavaScript function. The line numbers are not part of code.

```javascript
function Compute_salary() {
    var hours, salary, content;

    hours = parseFloat(document.Displaysalary.hoursworked.value);

    if (hours < 0) {
        document.Displaysalary.display.value = "Negative hours not allowed!";
    } else if ((hours >= 0) && (hours <= 40)) {
        salary = 10*hours;
    } else if (hours > 40) {
        salary = 400 + 15*(hours - 40);
    }

    content = "$" + salary;

    document.Displaysalary.display.value = content;
}
```