You may bring one page of notes, front and back.

You may bring a calculator but shouldn’t need one.

Questions will be in short-answer format with partial credit for partial answers.

Questions will require you to read HTML and JavaScript code, but not write code.

Topics:

- HTML `<head>`, `<body>`, `<img>`, `<div>`, `<br>`, and `<script>` tags
- Addition, subtraction, multiplication, division arithmetic expressions (i.e., +, -, *, /)
- String concatenation (e.g., “hello” + “ world”)
- Strings vs. numbers (e.g., 1 + 1 + “hello” vs. “hello” + 1 + 1), `parseFloat()` function
- HTML `<input>` tag (text and button types only), `onclick` handler
- `document.getElementById()` and `alert()` functions
- Functions: advantages of using, parameters, return values, global vs. local variables

Sample questions:

1. [4] Consider the following code:

```html
<input type="text" id="textField" size="10" value=""/>
<input type="button" value="Click Me!"
onclick="document.getElementById('textfield').value = 'Hello!';" />
```

The above code results in a runtime error when the button is clicked. Why?

2. [4] Consider the following code:

```javascript
alert(Math.floor(2.5) + Math.floor(2.5));
```

What is printed by the above code? Why?

3. [4] Consider the following code:

```javascript
function f() {
    var a;
    a = 2;
}

a = 1;
f();
alert(a);
```

What is printed by the above code? Why?