

## 1 A1

\_\_\_ element can be used to identify your html file to the outside world (3 marks)

**Select one alternative:**

- ☐ body
- ☐ head
- ☐ none
- ☐ title

Maximum marks: 3

## 2 A2

GIF stands for\_\_\_\_\_. (3 marks)

**Select one alternative:**

- ☐ Graphics Image Format
- ☐ Graphics Intermediate Format
- ☐ Graph Interchange Format
- ☐ Graphics Interchange Format

Maximum marks: 3

### 3 **A3**

Which of the following CSS selectors is used to specify a rule for binding a particular unique element. (3 marks)

**Select one alternative:**

- ☐ all
- ☐ class
- ☐ tag
- ☐ id

Maximum marks: 3

### 4 **A4**

FTP is an example of \_\_\_\_\_. (3 marks)

**Select one alternative:**

- ☐ none
- ☐ Internet Layer
- ☐ Physical Layer
- ☐ Application Layer

Maximum mrks: 3

5 **A5**

Which of the following is not the property of the CSS box model? (3 marks)

**Select one alternative:**

- ☐ height
- ☐ width
- ☐ color
- ☐ margin

Maximum marks: 3

6 **A6**

box-shadow property sets the shadow for a box element. (2 marks)

**Select one alternative:**

- ☐ False
- ☐ True

Maximum marks: 2

7 **A7**

Static property controls how an element is positioned. (2 marks)

**Select one alternative:**

- ☐ True
- ☐ False

Maximum marks: 2

8 **A8**

In CSS, text property is used to align the text in a table. (2 marks)

**Select one alternative:**

☐ False

☐ True

Maximum marks: 2

9 **A9**

An array in JavaScript is an ordered list of values, each value is referred to as an element, and it is identified by an index. (2 marks)

**Select one alternative:**

☐ True

☐ False

Maximum marks: 2

10 **A10**

For functions expressed as expressions, the function name is optional in Javascript. (2 marks)

**Select one alternative:**

☐ True

☐ False

Maximum marks: 2

# 11 A11

Match the description of the "overflow" property to the correct value. (10 marks)

**Please match the values:**

	hidden	scroll	visible	clip	auto
The overflow is clipped, but a scroll-bar is added to see the rest of the content	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
If overflow is clipped, a scroll-bar should be added to see the rest of the content	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
The overflow is clipped, and the rest of the content will be invisible.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
The overflow is not clipped. It renders outside the element's box	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
The overflow is clipped, and the rest of the content will be invisible.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Maximum marks: 10

**12 B1**

Explain the functionality following VISIBILITY values: VISIBLE, HIDDEN, COLLAPSE, INITIAL, INHERIT. (10 marks)

**Fill in your answer here**

Maximum marks: 10

**13 B2**

Explain the use of z-index with various property values and examples. (5 marks)

**Fill in your answer here**

Maximum marks: 5

**14 B3**

What are the differences Between SVG and Canvas? (5 marks)

**Fill in your answer here**

Maximum marks: 5



## 15 C1

Consider the following webpage (10 marks)

```
<html>
<body>
  <div>
    <a class="task1" href="css_syntax.html">Task 1a</a> <br>
    I am your second task <i> be careful </i> with the <i> CSS </i>
  </div>

  <div>
    I am your second task <i> be careful </i> with the <i> dummy link below
    <a href="css_syntax.php">Task 1b</a>
  </div>
</body>
</html>
```

**NOTE:** your selector has to be as accurate as possible

Change the colour of link "Task 1a" to green and size to 22px when the mouse moves over.

**Fill in your answer here**

Change the background of first *italics text* in each paragraph to yellow

**Fill in your answer here**

Add a "smiley.gif" before each link

**Fill in your answer here**

Change the background color of link with a php extension to yellow

**Fill in your answer here**

Add a 1px border to all the active links in the page

**Fill in your answer here**

Maximum marks: 10

## 16 C2

Consider the following webpage (10 marks).

Enter your email:

1. Change colour of the textbox upon entry
2. Validate on losing the focus
3. Email validation (**do not use the email input type**)
  - email id must contain the @ and . character
  - There must be at least one character before and after the @.
  - There must be at least two characters after . (dot).
4. If there is any upper case letter change it to lower case right after the keyup event
5. If the email is correct show the first image (tick mark) otherwise the second image (incorrect mark) next to the email text box



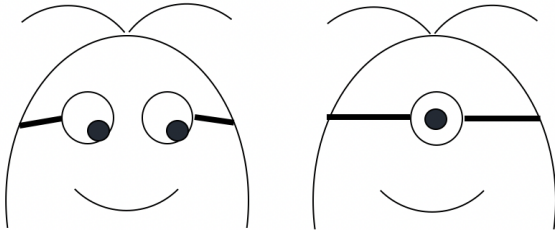
Fill in your answer here

1	
---	--

Maximum marks: 10

## 17 C3

Write JavaScript code to draw the following figure inside a `<canvas>` element. Do not forget to access the canvas element from your script and use the 2D drawing API. We expect you to approximately draw the following figure, eg. line width, not completely centered to the canvas, color of the lines etc. are not problems. (10 marks)



```
<!DOCTYPE html>
```

```
<html> <body>
```

```
<canvas id="myCanvas" width="400" height="120" style="border:1px solid #d3d3d3;">
```

```
Your browser does not support the HTML5 canvas tag.</canvas>
```

```
<script>
```

```
// FILL IN YOUR CODE HERE
```

```
</script>
```

```
</body> </html>
```

**Fill in your answer here**

1	
---	--

Maximum marks: 10

18 **D1**

What is the result of the following code? (3 marks)

```
<p id="demo"></p>
<script>
    var js = 10;
    js *= 5;
    document.getElementById("demo").innerHTML = js;
</script>
```

Fill in your answer here

--

Maximum marks: 3

19 **D2**

What is the result of the following code? (3 marks)

```
function compare() {  
    int num=2;  
    char b=2;  
    if(a===b) return true;  
    else return false;  
}
```

Fill in your answer here

Maximum marks: 3

20 **D3**

What is the result of the following code? (3 marks)

```
function printArray(a)
{
    var len = a.length,
        i = 0;
    if (len == 0)
        console.log("Empty Array");
    else {
        do {
            console.log(a[i]);
        } while (++i < len);
    }
}
```

Fill in your answer here

Maximum marks: 3



## 21 D4

What is the result of the following code? (3 marks)

```
function validate() {  
    var msg;  
    if(document.myForm.userPass.value.length>12) {  
        msg="good";  
    }  
    else  
    {  
        msg="poor";  
    }  
    document.getElementById('mylocation').innerText=msg;  
}  
  
<form name="myForm">  
    <input type="password" value="lhdsaoatinh" onkeyup="validate()">  
    Strength:<span id="mylocation">no strength</span>  
</form>
```

Fill in your answer here

Maximum marks: 3

## 22 D5

What is the result of the following code? (3 marks)

```
function totalelements() {  
    var allgenders=document.getElementsByName("continent");  
    alert("Total Genders:"+allgenders.length);  
}  
<form>  
    <input type="radio" name="continent" value="africa">  
    <input type="radio" name="continent" value="asia">  
    <input type="radio" name="continent" value="europe">  
    <input type="radio" name="continent" value="north america">  
    <input type="radio" name="continent" value="south america">  
    <input type="radio" name="continent" value="australia">  
    <input type="radio" name="continent" value="antarctica">  
    <input type="button" onclick="totalelements()" value="Total continents">  
</form>
```

Fill in your answer here

Maximum marks: 3