Slot	**: B2**		
Subject	**: Internet and Web programming**	**Subject Code**	**: CSE3002**
Duration	**: 45 Minutes**	**Max. Marks**	**: 30**

One Mark Question (15*1=15 marks)

1. Considering a three-tier web application, the business logic generally sits in the
   1) First tier
   2) Second tier
   3) Third tier
   4) Present in all the tiers

   Ans: b

2. If you are developing a login page, then the HTTP request method should be
   1) GET
   2) POST
   3) DELETE
   d) PATCH

   Ans: b

3. Find the output of the below code
```
var a;
var b;
a=4;
b="4";
if(a==b)
   document.write("equal");
else
   document.write("unqual");
if(a===b)
    document.write("equal");
else
   document.write("unequal");
```

   Ans: equalunequal

4. Javascript have the capability to automatically types a variable based on what kind of information you assign to it. Hence it is termed as weakly typed. (True/False)

   Ans: True.

5. A string object called "pname" is declared and it holds the value "Evangeline". Complete the code to slice "va" out of it.
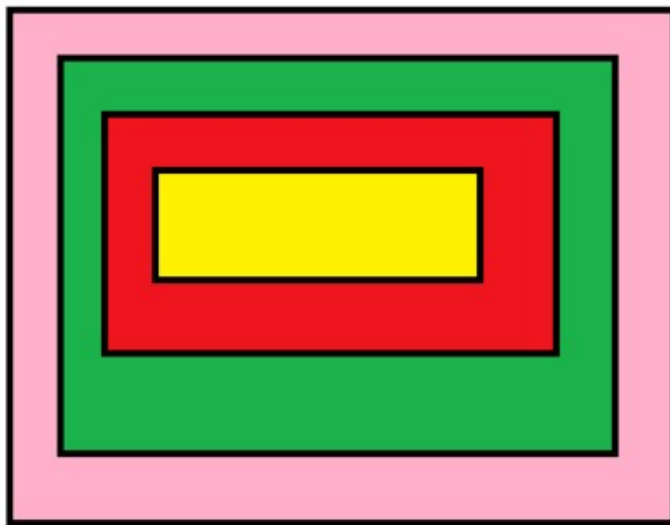
var segment = pname.slice(____);

6. When the code Date.parse("March 21, 2012") method is executed. It convert the date to
      a. String
      b. milliseconds
      c. Seconds
      d. Number

7. Assuming the yellow area is the content, what is the color of the padding area.

Box Model
.

      a) Pink
      b) Green
      c) Red
      d) Yellow

8. "margin: -70px;" is this property is valid CSS property?
      a) Yes
      b) No
      c) It's illegal to assign negative values
      d) This property will not be rendered by web browser

9. Which of this following CSS selector will select all <img> elements with class="rich_layout"
    A. img.rich_layout
    B. img rich_layout
    C. img,rich_layout

D. img="rich_layout"

Ans: A

10.   What is the value to be passed to get the output as N,TION,L ,NTHEM
var str = "NATIONAL ANTHEM";
  var res = str.split("_");

Ans: A

11. Which of the following < input > attributes is not new to HTML5?
A. required
B. autofocus
C. value
D. autocomplete

Ans: C

12. Which attribute is used to specify a hint for an input field?
A. default
B. default-text
C. placeholder
D. primary

Ans: C

13. One pixel is equal to one device pixel(dot) of client's screen?
A. Yes
B. Its depends on the client's screen size
C. Its depends on Web browser(Firefox, chrome, etc.)

Ans: B

14. Which of the following is not a proper use of footer element?
A. <footer><article>
This article is about the Indonesian island. For the programming language, see Java (programming language).
For other uses, see Java (disambiguation)
</article>.</footer>
B. <footer>Copyright 2019-20.</footer>
C. <footer> <p>Posted by: Ram</p> <p><time pubdate datetime="2020-05-01"></time></p>
</footer>

Ans: A

15. Choose the correct syntax for submit form data

i. <form action=""> <input type=image src=""></form>
ii. <form action=""> <input type=submit value="submit"></form>
iii. <form action=""> <button name=submit value="submit"></form>

A. (i) and (ii)
B. (ii) and (iii)
C. (ii) only
D. (i), (ii) and (iii)

Ans: A

Very short answer (3*2 =6 Marks)

1. Write the code to create the following output
   a. Coffee
   b. Tea
   c. Milk

2. var str = "Hello world!"
   Match the function to the output

   1 var res = str.substr(2,5);   a. No output
   2. var res = str.slice(2,5);   b. llo w
   3. var res = str.substring(10,5);   c. llo
   4. var res= str.slice(10,5)   d. worl

   a. 1-b, 2-c, 3-a, 4-d
   b. 1-c, 2-b, 3-d, 4-a
   c. 1-b, 2-c, 3-d, 4-a
   d. 1-c, 2-b, 3-d, 4-a

   Ans: c

3. Design an audio element that plays as soon as the page loads without any volume and keeps on playing.

   Ans: <audio src="a.mp3" autplay controls muted loop>

Short answer (3*3=9 Marks)

1. Write the code to design the following

```
<html>
<head>
<style>
div.card {
  width: 250px;
  box-shadow: 0 4px 8px 0 rgba(0, 0, 0, 0.2), 0 6px 20px 0 rgba(0, 0, 0, 0.19);
  text-align: center;
}

div.header {
  background-color: Yellow;
  color: Red;
  padding: 10px;
  font-size: 40px;
}

div.container {
  padding: 10px;
}
</style>
</head>
<body>

<h2>Calender</h2>
<h3>The date of Exam

<p></p>

<div class="card">
  <div class="header">
    <h1>A1</h1>
  </div>

  <div class="container">
    <p>August 10, 2020</p>
  </div>
</div>

</body>
</html>
```

2. What are the process that happen when a URL is entered in the browser?

Steps for what happens when we enter a URL :

1. Browser checks cache for DNS entry to find the corresponding IP address of website.
   It looks for following cache. If not found in one, then continues checking to the next until found.
   - Browser Cache
   - Operating Systems Cache
   - Router Cache
   - ISP Cache

2. If not found in cache, ISP's (Internet Service Provider) DNS server initiates a DNS query to find IP address of server that hosts the domain name.
   The requests are sent using small data packets that contain information content of request and IP address it is destined for.
3. Browser initiates a TCP (Transfer Control Protocol) connection with the server using synchronize(SYN) and acknowledge(ACK) messages.
4. Browser sends an HTTP request to the web server. GET or POST request.
5. Server on the host computer handles that request and sends back a response. It assembles a response in some format like JSON, XML and HTML.
6. Server sends out an HTTP response along with the status of response.
7. Browser displays HTML content
8. Finally, Done.

3. Write the HTML code to construct the following Table

My Multi Level Table				
Column 0		Column 1	Column 2	
			Column 2a	Column 2b
Row 1	Row 1a	123	456	789
	Row 1b	123	456	789
Row 2		123	456	789

```
<html>
<head>
<title>Multi table</title>
<style>
td,th
{
border:1px solid lightgrey;
}
td
{
text-align:center;
}
</style>
</head>
<body>
<table>
<tr><th colspan="5" style="background-color:lightgrey;">My Multi-level Table</th></tr>
<tr>
<th colspan="2" rowspan="2">Column0</th>
<th rowspan="2">Column1</th>
<th colspan="2">Column2</th>
</tr>
<tr>
<th>Column2a</th><th>Column2b</th>
</tr>
<tr>
```

```
<th rowspan="2">Row1</th>
<th>Row1a</th><td>123</td><td>456</td><td>789</td>
</tr>
<tr>
<th>Row1b</th><td>123</td><td>456</td><td>789</td>
</tr>
<tr>
<th colspan="2">Row2</th><td>123</td><td>456</td><td>789</td>
</tr>
</table>
```