Question 21:

```
<!DOCTYPE html>
<html>
<frameset cols="50%,50%">
  <frame src="left.html">
  <frame src="right.html">
</frameset>
</html>
```

Question 22:

```
<!DOCTYPE html>
<html>
<head>
  <title>Multimedia Page</title>
</head>
<body>
  <h2>Audio and Video Example</h2>
  <audio controls>
    <source src="sample.mp3" type="audio/mp3">
  </audio>
  <br><br>
  <video width="320" height="240" controls>
    <source src="sample.mp4" type="video/mp4">
  </video>
</body>
</html>
```

Question 23:

```
<!DOCTYPE html>
<html>
<head><title>Menu Selection</title></head>
```

```html
<body>
<form action="DishServlet" method="post">
    <input type="checkbox" name="dish" value="Pizza">Pizza<br>
    <input type="checkbox" name="dish" value="Burger">Burger<br>
    <input type="checkbox" name="dish" value="Pasta">Pasta<br>
    <input type="submit" value="Confirm">
</form>
</body>
</html>
```

Program (Servlet):

```java
import java.io.*;
import javax.servlet.*;
import javax.servlet.http.*;

public class DishServlet extends HttpServlet {
    protected void doPost(HttpServletRequest request, HttpServletResponse response) throws
ServletException, IOException {
        response.setContentType("text/html");
        PrintWriter out = response.getWriter();

        String[] dishes = request.getParameterValues("dish");
        out.println("<h2>Confirmed Dishes:</h2>");
        for (String dish : dishes) {
            out.println(dish + "<br>");
        }
    }
}
```

Question 24:

```html
<!DOCTYPE html>
<html>
<head>
    <title>Date and Time</title>
```

```
</head>
<body>
   <h2>Current Date and Time</h2>
   <p id="datetime"></p>


   <script>
      const now = new Date();
      document.getElementById("datetime").innerHTML = now;
   </script>
</body>
</html>
```

Question 25:

```
<!DOCTYPE html>
<html>
<head><title>String Operations</title></head>
<body>
   <h2>JavaScript String Operations</h2>
   <script>
      let str = "hello";
      let str2 = " world";
      document.write("Char at 1: " + str.charAt(1) + "<br>");
      document.write("Unicode at 1: " + str.charCodeAt(1) + "<br>");
      document.write("Concatenated: " + str.concat(str2) + "<br>");
      document.write("From Unicode 72: " + String.fromCharCode(72) + "<br>");
      document.write("Uppercase: " + str.toUpperCase() + "<br>");
   </script>
</body>
</html>
```

Question 26:

```
<!DOCTYPE html>
<html>
<head>
```

```html
    <title>Background Image</title>
    <link rel="stylesheet" href="style.css">
</head>
<body>
    <h2>External CSS Background</h2>
</body>
</html>
```

Program (style.css):

```css
 body {
    background-image: url('background.jpg');
    background-size: cover;
}
```

Question 27:

```jsp
<%@ page language="java" %>
<%
    Integer count = (Integer)application.getAttribute("count");
    if(count == null){
        count = 1;
    } else {
        count++;
    }
    application.setAttribute("count", count);
%>
<h2>Total Visitors: <%= count %></h2>
```

Question 28:

```html
<!DOCTYPE html>
<html>
<head><title>Student Registration</title></head>
<body>
<form action="StudentServlet" method="post">
    Name: <input type="text" name="name"><br>
    Roll No: <input type="text" name="roll"><br>
```

```html
        Department: <input type="text" name="dept"><br>

        <input type="submit" value="Register">

</form>

</body>

</html>
```

Program (Servlet):

```java
import java.io.*;

import javax.servlet.*;

import javax.servlet.http.*;

public class StudentServlet extends HttpServlet {

    protected void doPost(HttpServletRequest request, HttpServletResponse response) throws

ServletException, IOException {

        response.setContentType("text/html");

        PrintWriter out = response.getWriter();

            String name = request.getParameter("name");

        String roll = request.getParameter("roll");

        String dept = request.getParameter("dept");

        out.println("<h2>Student Details</h2>");

        out.println("Name: " + name + "<br>");

        out.println("Roll No: " + roll + "<br>");

        out.println("Department: " + dept);

    }

}
```

Question 29:

```html
<!DOCTYPE html>

<html>

<head>

    <title>Internal CSS Background</title>

    <style>

        body {

            background-image: url('background.jpg');

            background-size: cover;
```

```
        }
    </style>
</head>

<body>

    <h2>Internal CSS Background</h2>

</body>

</html>
```

Question 30:

```
<!DOCTYPE html>

<html>

<head><title>Employee Registration</title></head>

<body>

<form action="employee.jsp" method="post">

    Name: <input type="text" name="name"><br>

    ID: <input type="text" name="id"><br>

    Department: <input type="text" name="dept"><br>

    <input type="submit" value="Submit">

</form>

</body>

</html>
```

Program (employee.jsp):

```
<%@ page language="java" %>

<%

    String name = request.getParameter("name");

    String id = request.getParameter("id");

    String dept = request.getParameter("dept");

%>

<h2>Employee Details</h2>

Name: <%= name %><br>

ID: <%= id %><br>

Department: <%= dept %>
```

Question 31:

```
<!DOCTYPE html>

<html>

<head><title>Date & Time</title></head>

<body>

    <h2>Current Date and Time</h2>

    <p id="output"></p>

    <script>

        let now = new Date();

        document.getElementById("output").innerText = now;

    </script>

</body>

</html>
```

Question 32:

```
<!DOCTYPE html>

<html>

<head>

    <style>

        @keyframes move {

            0% { left: 0; background-color: red; }

            50% { left: 100px; background-color: yellow; }

            100% { left: 0; background-color: red; }

        }

        #box {

            width: 100px; height: 100px;

            position: relative;

            animation: move 3s infinite;

        }

    </style>

</head>

<body>

    <div id="box"></div>

</body>
```

```
</html>
```

Question 33:

```
<!DOCTYPE html>

<html>

<head><title>Student Registration</title></head>

<body>

<form onsubmit="return validateForm()">

    Name: <input type="text" id="name"><br>

    Email: <input type="email" id="email"><br>

    <input type="submit" value="Register">

</form>

<script>

    function validateForm() {

        if (document.getElementById("name").value === "") {

            alert("Name is required"); return false;

        }

        if (document.getElementById("email").value === "") {

            alert("Email is required"); return false;

        }

        return true;

    }

</script>

</body>

</html>
```

Question 34:

```
<!DOCTYPE html>

<html>

<head><title>Travel Items</title></head>

<body>

<h3>Ordered List</h3>

<ol>

    <li>Passport</li>
```

```html
        <li>Tickets</li>
        <li>Wallet</li>
    </ol>
    <h3>Unordered List</h3>
    <ul>
        <li>Camera</li>
        <li>Snacks</li>
        <li>Map</li>
    </ul>
</body>
</html>
```

Question 35:

```html
<!DOCTYPE html>
<html>
<head>
    <link rel="stylesheet" href="style.css">
</head>
<body>
<div class="relative-box">Relative</div>
<div class="absolute-box">Absolute</div>
</body>
</html>
```

Program (style.css):

```css
.relative-box {
    position: relative;
    top: 20px;
    left: 30px;
    background: lightgreen;
    width: 100px;
}
.absolute-box {
```

```
    position: absolute;

    top: 50px;

    left: 100px;

    background: orange;

    width: 100px;

}
```

Question 36:

home.html

```
<html>

<head>

<title>Home-StatesofIndia!!!</title>

</head>

<bodybgcolor="gold">

<h1><u><center>RepublicofIndia</center></u></h1>

<p>

IndiaistheSeventhLargestcountryintheworldbygeographicalare

a,thesecondmostPopulouscountrywithover1.3billionpeople,Ind

iaisavastSouthAsiancountrywithdiverseterrain–

fromHimalayanpeakstoIndianOceancoastline–

andhistoryreachingback5millennia..Indiaisafederalconstitutionalrepublicwithaparliamentaryde

mocracyconsistingof28states and7Union Territories.</p>

<center>

<imgalign="center"width="275"height="290"alt="India"src="IndiaMap.jpg"usemap="#indi

a"ismap="ismap">


<mapname="india">

<areashape="circle"coords="100,200,10"href="ANDHRAPRADESH.html"alt="Learna

 bout andra">

<areashape="circle"coords="70,275,10"href="KERALA.html"alt="Learnaboutkerala">

<areashape="circle"coords="70,210,20"href="KARNATAKA.html"alt="Learnaboutkar

 nata ka">

<areashape="circle"coords="100,250,20"href="TAMILNADU.html"alt="Learnaboutta
```

```
 miln adu">
</map></center>
<h2>Features</h2>
<ul>
<li><b>Population</b>-133.92crores(2019).
<li><b>Capital</b>-NewDelhi
<li><b>LargestCity</b>-Mumbai
<li><b>Currency</b>-IndianRupee
<li><b>TimeFormat</b>-IST(UTC+5:30)
<li><b>NationalSport</b>-Hockey
<li><b>CurrentPM</b>-NarendraModi
<li><b>CurrentPresident</b>-PranabMukherjee
</li>
</ul>
<h2><b>Toviewdetailsofsouthernstatespleaseclickonthespecifiedareainthemap!</b>
</h2>
</body>
</html>
Tamilnadu.html
<html>
<head><title>TamilNadu-India</title></head>
<bodybgcolor="palegreen">
<h1><center>TamilNadu</center></h1>
<h3>isoneofthe29statesofIndia.ItscapitalandlargestcityisChennai.TamilNadulies
inthesouthernmostpartoftheIndianPeninsulaand
ItisborderedbytheStatesofPuducherry,Kerala,Karnataka,AndhraPradesh
38
</h3><h3>
<ul>

<li>Districts<i>-37</i>
<li>CapitalCity<i>-Chennai</i>
```

```html
<li>LargestCity<i>-Chennai</i>
<li>Governor<i>-BanwarilalPurohit</i>
<li>ChiefMinister<i>-Palanisamy</i>
<li>Population<i>-80,351,195</i>
<li>Touristspots<i>-
Mamallapuran,Ooty,Kodaikanal,Marina,MuduraiMeenakshiAmmanTem
ple,Thanjavuretc.,</i>
</ul>
<ahref="Home.html">back</a>
</body>
</html>


andhrapradesh.html
<html>
<head><title>AndhraPradesh-India</title></head>
<bodybgcolor="tan">
<h1><center>AndhraPradesh</center></h1>
<h3>A.P.,isastatesituatedonthesoutheasterncoastofIndia.ItisIndia'sfourthl
argeststatebyareaandfifthlargestbypopulation.</h3>
<h3>
<ul>
<li>Districts<i>-13</i>
<li>CapitalCity<i>-Hyderabad</i>
<li>LargestCity<i>-Hyderabad</i>
<li>Governor<i>-BISWABHUSANHARICHARAN</i>
<li>ChiefMinister<i>-Y.S.JAGANMOHANREDDY</i>
<li>Population<i>-91,103,010</i>
<li>Touristspots<i>-
TirumalaTirupati,Guntur,GolcondaFort,Chandragiri,Arakuvalley,F
alaknumaPalaceetc.,</i>
</ul>
<ahref="Home.html">back</a>
```

```
</body> </html>


Karnataka.html

<html>

<head><title>Karnataka-India</title></head>

<bodybgcolor="wheat">

<h1><center>Karnataka</center></h1>

<h3> <ul

<li>Districts<i>-30</i>

<li>CapitalCity<i>-Bangalore</i>

<li>LargestCity<i>-Bangalore</i>

<li>Governor<i>-VajubhaiVala</i>

<li>ChiefMinister<i>-B.S.YEDIYURAPPA</i>

<li>Population<i>- 68,308,304</i>

39

<li>Touristspots<i>-GolGumbaz,MysorePalace,KeshavaTempleetc.,</i>

</ul>

</h3>

<ahref="Home.html">back</a>

</body>

</html>




Kerala.html

<html>

<head><title>Kerala-India</title></head>

<bodybgcolor="indianred">

<h1><center>Kerala</center></h1>

<h3>

<ul>

<li>Districts<i>-14</i>
```

```
<li>CapitalCity<i>-Thiruvanandapuram</i>

<li>LargestCity<i>-Thiruvanandapuram</i>

<li>Governor<i>-ARIFMOHAMMADKHAN</i>

<li>ChiefMinister<i>-PINARAYIVIJAYAN</i>

<li>Population<i>-34,545,868</i>

<li>Touristspots<i>-

EdakkalCaves,Palayur,KovalamBeach,Munnar,Kochi,Alapuzhaetc.,</i>

</ul>

<ahref="Home.html">back</a>

</h3>

</body>

</html>
```

Question 37:

```
<! DOCTYPE html PUBLIC"-////W3C//DTD XHTML 1.0

TRANSTION//EN"http://www.w3.org/TR/html1/DTD/html1 1.dtd>


<html xmlns="http://www.w3org/1999/xhtml">

<head>

<title>Embedded style sheet</title>

<style type="text/css">h1

{

font-family:arial;

color:green;

}

h2

{

font-family:arial;

color:red;

left:20px

}

h3
```

```html
{

font-family:arial;

color:blue;

}

p

{

font-sise:14pt;

font-family:verdana

}

</style>

</head>

<body>

<h1>

<center>This is created using embedded style sheet

</center>

43

</h1>

<h2>This line is allingned left and red colored;

</h2>

<p>

The embedded style sheet is the most commonly used style

sheet This paragragh is return in verdana font with font size of

14.

</p>

<h3>

This is a blue <a href="colorname.html">colored</a> line

</h3>

</body>

</html>
```