

# Question Paper

Exam Date & Time: 11-Jul-2023 (02:30 PM - 05:30 PM)



## MANIPAL ACADEMY OF HIGHER EDUCATION

FOURTH SEMESTER B.TECH MAKEUP EXAMINATIONS, JULY 2023  
DESIGN AND DEVELOPMENT OF WEB APPLICATIONS [ICT 4302]

Marks: 50

Duration: 180 mins.

Answer all the questions.

Instructions to Candidates: Answer ALL questions Missing data may be suitably assumed

1) Consider the Figure Q.1A. Display an appropriate message when user selects specific continent using Image maps (5)

A)

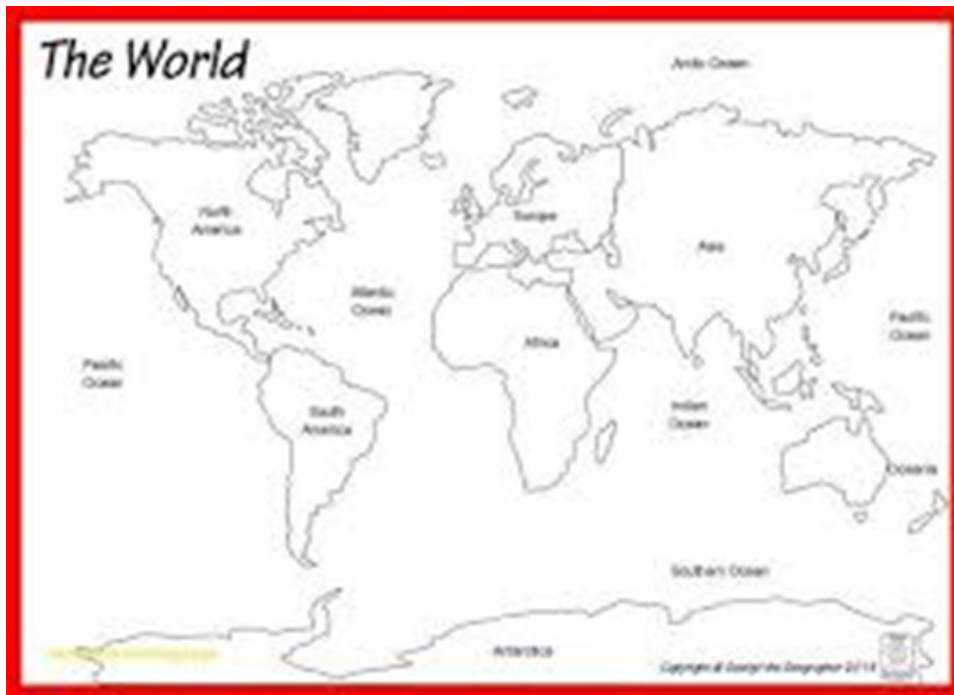


Figure Q.1A

B) Write a JavaScript code to find the sum of even numbers from 2 to 50 (including 2 and 50) . (3)

C) Differentiate inline code and embedded scripts. (2)

2) Create the Table Q.2A using HTML/CSS. (5)

A) Table:Q.2A

Heading	Students		Details	
	Id	Name	Department	Roll Number
Student List	1	Victor	Computer Science	12345
	2	Williams	Electronics	23456
	3	Harry	Electrical	34567
	4	Rick	Civil	45678

B) Analyze the following code and write the output. Justify your answer. (3)

```
<head><style>
div { width: 100px;
height: 100px;
background: #FF0000;
transition: background-color 0.3s ease 0.2s;
}
div:hover { background-color: #0000FF;}
```

</style></head>

C) Differentiate Internet and web. (2)

3) Create a employee table having following attributes using PHP/Mysql (5)

- A)
- Employee Id(Numeric, Auto increment)
  - Name (length Maximum 20)
  - Designation
  - Salary (Integer)

Perform the following:

- A. Insert 5 records into the table
- B. Display the employees details whose salary is >10000

B) How to you create telephone links and mail links using HTML. Give an example for each. (3)

C) Analyze the following code and write the output. (2)

```
<!DOCTYPE html>
<html><body>
<ol type="1">
  <li>number OL1</li>
  <li>number OL2</li>
  <li>number OL3</li>
</ol>
<ol type="A">
  <li>ALPHA OL1</li>
  <li>ALPHA OL2</li>
  <li>ALPHA OL3</li>
</ol>
<ol type="a">
  <li>alpha OL1</li>
  <li>alpha OL2</li>
  <li>alpha OL3</li>
</ol>
</body> </html>
```

4) Design the form shown in Figure Q. 4A using HTML/CSS (5)

A)

Personal Details

Salutation  
--None--

First name:

Last name:

Gender : ☐ Male ☐ Female

Email:

Date of Birth:

Address :

Submit

Figure Q.4A

B) Analyze the following code and identify the need of z-index property. (3)

```

<style>
div {
position: absolute; border: solid;
width: 5em; height: 5em;
background: silver; text-align: right; }
.a1 {top: 1em; left: 1em; z-index: 3}
.a2 {top: 2em; left: 3em; z-index: 2}
.a3 {top: 3em; left: 2em; z-index: 4}
.a4 {top: 4em; left: 4em; z-index: 1}
</style>

```

C) Differentiate cell padding and cell spacing with respect to HTML tables. (2)

5) Write a HTML code to perform the following: (5)

- A)
- A. Making links to external pages
  - B. Making relative links to documents on your own server
  - C. Linking to a specific point in a page

B) Identify the errors, if any. Rewrite the correct code and output. (3)

```

<html>
<head>
<title>JavaScript Output using innerHTML</title>
<script>
function addText()
{
    document.getElementById("script").innerHTML= "Fine. Thank you!";
}
</script>
</head>
<body>
<p id="script">How are you?.</p>
<button type="button" onclick="addText()">Click to use JavaScript</button>
</body>
</html>

```

C) Identify the need of "alt" attribute in the HTML statements given below. (2)

< p>If you're < img src="happyface.gif" alt="happy"> and you know it clap your hands.< /p>

-----End-----