

University of Engineering & Management, Kolkata 2ndTerm Examination, November, 2019

Course: B.Tech (CSE)

Semester: 7th

Paper Name: Internet Technology

Paper Code: CS705D

Full Marks: 70

Time: 3 ho

Group-A (10 marks)

Answer any 5. Each question is of 2 marks.

- 1. A) What is the difference between HTML and DHTML?
 - B) What is the difference between Network and Internet?
 - C) What is the relationship between internet and world wide web?
 - D) What is JavaScript? Why is it mostly used in web browser?
 - E) What is Perl?
 - F) What is the use of href attribute in html?
 - G) Why XML is superior to HTML?
 - JH) What is Date object in JavaScript?

Group-B (15 marks)

Answer any 3. Each question is of 5 marks.

- 2. What is CSS? Why is it needed? Describe different types of CSS with example.
- 3. Write an html program to create one web page to display your biodata with the follow information: name, DOB, address, father's name, mother's name, phone number, emai Display all of them on left side of the page and your passport size image to be displayed the right side of the page.
- What is an HTML element? Write a small html code to display elements showing heal body and paragraph.
- 5. What is iFrame? How to specify the size of the iFrame? Describe with an example.
- 6. Design an arithmetic calculator using JavaScript and html.
- 7. Explain the difference between "==" and "==="?What are all the types of Pop up be available in JavaScript?What is the use of Void(0)?

Group-C (45 marks)

Answer any 3. Each question is of 15 marks.

- Write an html program to create one web page to display the following:
 - A) Text field to enter Name, Phone No, Email ID, Registration No.
 - B) Radio button to enter gender (Male/Female), check boxes for hobbies like playing, travelling, reading books etc.
 - C) 2 drop down list for stream like B.Tech, M. Tech, MCA and for branch like CSE, ECE, ME, CIVIL etc.
 - D) Text area to enter address.
 - E) Html table to display your degree from Class X till last semester showing degree name, year of passing, grade/percentage in a tabular format.

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- 9: Write short notes on any three of the following:
 - A) XML
 - B) HTML Color
 - C) HTML Forms
 - D) HTML Layout
 - E) Scripting Language.

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- 10. A) Explain about Perl Programming Language briefly.
 - B) Explain Low Level Language Vs High Level Programming Language.

8+

- 11. A) What is IP datagram? Draw and explain the IPV4 datagram format.
 - B) A block of address is granted to a small organization. One of the address 205.16.37.39/28. Find the first and last address in the block. (3+6)+
- 12. Write JavaScript for the following. Provide a text box for the user enter user name. Valida the username for the no. of characters (assume some no. say 6). Provide a SUBMIT butto for the validation to happen. On successful validation display a new page with an image at two text boxes for entering the width and height of the image respectively with a RESIZ button below. On clicking the Resize button validate the width and height numbers and a successful validation display the image with the requested width and height.
- 13. What is the purpose of a public key infrastructure? Why is there a risk for "who is using n key?" Define protection state.

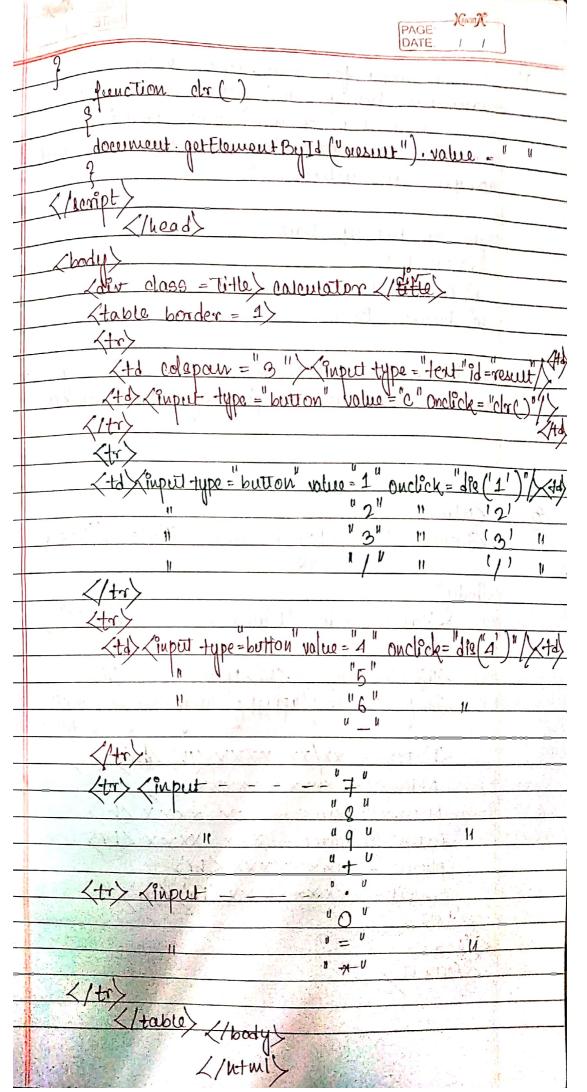
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t en	group-A
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48. Write an html program to create one web page to display your biodata with the following information: name, DOB, address, father's name, mother's name, phone number, email id. Display all of them on left side of the page and your passport size image to be displayed on the right side of the page.

Ans. <sample code will appear like this> <!DOCTYPE html>

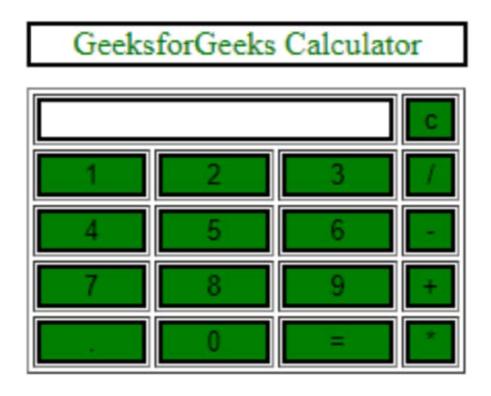
```
<html>
<body>
<h2>HTML Forms</h2>
<form action="/action_page.php">
 First name: <br>
<input type="text" name="firstname" value="Mickey">
<br>
 Last name: <br>
<input type="text" name="lastname" value="Mouse"><br><br>
<input type="radio" name="gender" value="male" checked> Male<br/>br>
<input type="radio" name="gender" value="female"> Female<br>
<input type="radio" name="gender" value="other">Other
<br>>dr><br>
<input type="submit" value="Submit">
</form>
If you click the "Submit" button, the form-data will be sent to a page called
"/action page.php".
</body>
</html>
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	from another source.
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	width = "200" height = "200" /iframe.
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	function dis (val)
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	document. get Element By Id ("besut"). value += yol
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	function solve()
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	let y = eval (a) gettlementById ("mesunt"). value
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- 31. Write an html program to create one web page to display the following:
 - a. Text field to enter Name, Phone No, Email ID, Registration No.
 - b. Radio button to enter gender (Male/Female), check boxes for hobbies like playing, travelling, reading books etc.
 - c. 2 drop down list for stream like B.Tech, M. Tech, MCA and for branch like CSE, ECE, ME, CIVIL etc.
 - d. Text area to enter address.
 - e. Html table to display your degree from Class X till last semester showing degree name, year of passing, grade/percentage in a tabular format.

```
Ans. (sample code)
<!DOCTYPE html>
<html>
<body>
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<form action="/action_page.php">
First name: <br>
<input type="text" name="firstname" value="Mickey">
<br>
Last name: <br>
<input type="text" name="lastname" value="Mouse"><br><br>
<input type="radio" name="gender" value="male" checked> Male<br/>br>
<input type="radio" name="gender" value="female"> Female<br>
<input type="radio" name="gender" value="other">Other
<br>><br>>
<input type="submit" value="Submit">
</form>
If you click the "Submit" button, the form-data will be sent to a page called
"/action page.php".
</body>
</html>
(for drop down)
<!DOCTYPE html>
<html>
<body>
<select>
<option value-"volvo">Volvo</option>
<option value="saab">Saab</option>
<option value="opel">Opel</option>
<option value="audi">Audi</option>
</select>
</body>
</html>
(for table)
<!DOCTYPE html>
<html>
<head>
<style>
table, th, td {
border: 1px solid black;
</style>
</head>
```

```
<body>
<h2>Bordered Table</h2>
Use the CSS border property to add a border to the table.
>
Firstname
Lastname
Age
Jill
Smith
50
Eve
Jackson
94
John
Doe
80
</body>
</html>
```

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→ 1100101 00010000 00100101
> 205.16.37.32 (fierst address).
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→ 205.16.37.47 (last address).
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18. Write JavaScript for the following. Provide a text box for the user enter user name. Validate the username for the no. of characters (assume some no. say 6). Provide a SUBMIT button for the validation to happen. On successful validation display a new page with an image and two text boxes for entering the width and height of the image respectively with a RESIZE button below. On clicking the Resize button validate the width and height numbers and on successful validation display the image with the requested width and height.

(15)

```
First page refer to question no. 15.

Second Page:

<!DOCTYPE html>

<html>

<body>

Width:

<input type="text" id="width"><br>>br>

Height:

<input type="text" id="height"><br>>br>
```

- 15. a) With an example describe java scripts Control structure.
 - b) Design a web page with a text box (username) where the user can enter a name and

Another text box (ID) where the user enter an only four digit ID.NO and a button "validate". Validate the entered username and ID field for the following using java script.

- · Both the fields should not be empty
- Name field should have alphabets
- · ID field should have numeric. (7+8)

```
<!DOCTYPE html>
<html>
<body>
<form action="/action_pid.php" onsubmit="return myFunction()">
                          only): <input type="text"
                                                        id="uname"
UserName (characters
                                                                      size="20"
name="uname"><br><br>
                            value):
                                      <input
 Id
          digit numeric
                                              type="text"
                                                            id="id"
                                                                      size="20"
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name="id"><br><br>
<input type="submit" value="Submit">
</form>
<script>
function myFunction() {
  var id = document.getElementById("id").value;
  var uname = document.getElementById("uname").value;
  submitOK = "true";
  if (uname.length \leq 0 \parallel id.length \leq 0) {
    alert("The name and id can not be empty");
```

```
submitOK = "false";
else
{
var letters = /^[A-Za-z]+$/;
   if(!uname.match(letters))
   alert('Please input alphabet characters only in username');
   return false;
   }
  if (isNaN(id)) {
   alert("The id contain numeric value only!!");
     submitOK = "false";
   }
else{
 if (id.length !=4) {
     alert("The id contain 4 digits only !!");
     submitOK = "false";
  }}
}
  if (submitOK == "false") {
     return false;
</script>
</body>
</html>
```

