KONGU ENGINEERING COLLEGE, PERUNDURAI 638 060
CONTINUOUS ASSESSMENT TEST - 2
Regulations 2014

Month and Year : August 2019	Roll Number :
Programme : B.E/B.Tech Branch : CSE/IT Semester : V	Date : 31.08.19 Time : 9.15 AM to 10.45 AM
Course Code : 14ITT52 Course Name : Web Technology	Duration : 1 ½ Hours Max. Marks : 50

PART - A (10 × 2 = 20 Marks)
ANSWER ALL THE QUESTIONS

1. Give the JavaScript code snippet to search an array element using indexOf method. [CO2,K3]
2. Create an unordered list to display district names in Tamilnadu. Ensure user can add district name dynamically. [CO3,K3]
3. Mention the code snippet to display the current date and time in webpage. [CO3,K2]
4. Create a heading "KONGU ENGINEERING COLLEGE" and set blue color for the text. When a cursor moved above the heading change the text color to green. [CO3,K3]
5. Write a JavaScript program that input the name and display preference (Upper case/Lowercase) from the HTML form. Output the name in the webpage in the preferred format. [CO3,K3]
6. Differentiate between POST and GET method [CO5,K2]
7. Specify the different types of arrays supported by PHP and give an example. [CO5,K2]
8. Write a PHP program to check the given number is Armstrong number or not. [CO5,K3]
9. Compare echo and print in PHP array. [CO5,K2]
10. Write a PHP program to sort the elements in odd position in descending order and the array elements in even position in ascending order. [CO5,K3]

PART – B (3 × 10 = 30 Marks)
ANSWER ANY THREE QUESTIONS

11. i) Write a JavaScript code to display a random image in webpage when mouse button clicked. (5) [CO2,K3]
    ii) Write the Javascript code snippet to collect the names of 'n' students and store it in an array. Sort the names and assign the roll number in order (example: 19ITR001) (5)
12. i) Write the JavaScript program to display number of images, forms and links available in the webpage. (5) [CO3,K3]
    ii) Design a scientific calculator using JavaScript math objects. (5)
13. Design an HTML page to display the roll no, name and department of the students in table. Write a JavaScript code to add a new student detail at the end of the existing table an delete a student detail from the table (10) [CO3,K3]
14. Create a web application using PHP and MySQL to collect and store the following details of a user (name, email, mobile no, address). Allow the user to update the address or delete detail using valid mobile no. Also list the registered user details. (10) [CO5,K3]

Bloom's Taxonomy Level	Remembering (K1)	Understanding (K2)	Applying (K3)	Analysing (K4)	Evaluating (K5)	Creating (K6)
Percentage	--	13%	87%	--	--	--

Department of IT/CSE
14ITT52 Web Technology
CAT - 2 (31.08.19)
Part - A

1. Search array using Indexof

```
<script>
function myFunction() {
  var str = "Hello world, welcome to the universe.";
  var n = str.indexOf("welcome");
  document.getElementById("demo").innerHTML = n;
}
</script>
```

2. Add dynamic district name in UL

```
<html>
<body>
<ul id="myList">
  <li>ERODE</li>
  <li>SALEM</li>
</ul>

<button onclick="myFunction()">Add District</button>
<script>
function myFunction() {
  var node = document.createElement("LI");
  var dept=prompt("Enter the District name");
  var textnode = document.createTextNode(dept);
  node.appendChild(textnode);
  document.getElementById("myList").appendChild(node);
}
</script>
</body>
</html>
```

3. Current Date and Time

```
<p id="demo"></p>
<script>
var d = new Date();
document.getElementById("demo").innerHTML = d;
</script>
```

4.

```
<h1 style="color:blue" id="p1" onmouseover="changecolor()">Hello World!</h1>
 <script>
function changecolor()
{
document.getElementById("p1").style.color = "green";
 }
</script>
```

5. Upper case/ Lower Case:

```
<html>
<body>
<form>
 First Name: <input type="text" id="fname" value="Donald">
 Convert to upper case
 <input type="radio" onclick="if(this.checked){myFunction1()}">
 <input type="radio" onclick="if(this.checked){myFunction2()}">
</form>
<p id="demo"></p>
<script>
function myFunction1() {
 document.getElementById("demo").innerHTML =
document.getElementById("fname").value.toUpperCase();
}
function myFunction2() {
 document.getElementById("demo").innerHTML =
document.getElementById("fname").value.toLowerCase();
}
</script>
</body>
</html>
```

6. GET vs POST

POST	GET
requests are never cached	requests can be cached
requests do not remain in the browser history	requests remain in the browser history
requests have no restrictions on data length	requests have length restrictions
requests cannot be bookmarked	requests can be bookmarked

7. PHP Arrays:

- Indexed arrays - Arrays with a numeric index — eg: $cars[0] = "Volvo";
- Associative arrays - Arrays with named keys — eg: $cars["car1"] = "Volvo";
- Multidimensional arrays - Arrays containing one or more arrays

Eg: $cars["maruti"]["t1"]="Alto";

8. Armstrong number or not

```
<?php
$num=153;
$total=0;
$x=$num;
while($x!=0)
{
$rem=$x%10;
$total=$total+$rem*$rem*$rem;
$x=$x/10;
}
if($num==$total)
{ echo "Yes it is an Armstrong number"; }
```

```
else
{ echo "No it is not an armstrong number"; }
?>
```

9. Echo vs Print:

	echo	print
Parameters	echo can take more than one parameter	print only takes one parameter.
Return value	echo does not return any value	print always returns 1 (integer)
Syntax	void echo (string $arg1 [, string $...])	int print (string $arg)

10.

```
<?php

    $k=0;
    $t=0;
    $a = array( 13, 2,  4, 15, 12, 10, 5);
    $n=7;
    for($i=0;$i<$n;$i++)
    {
        if($i%2==0)
        {$b[$k]=$a[$i];++$k;}
        else
        {$c[$t]=$a[$i];++$t;}
    }
    for($i=0;$i<$t;$i++)
     for($j=0;$j<$t;$j++)
         if($c[$i]<$c[$j])
         {
             $t1=$c[$i];
             $c[$i]=$c[$j];
             $c[$j]=$t1;
         }
for($i=0;$i<$k;$i++)
 for($j=0;$j<$k;$j++)
    if($b[$i]>$b[$j])
        {
            $t=$b[$i];
            $b[$i]=$b[$j];
            $b[$j]=$t;
        }
        echo "Input Array";
        for($i=0;$i<$n;$i++)
        {

            echo $a[$i]." ";
        }
$k=0;$t=0;
echo "Output Array";
 for($i=0;$i<$n;$i++)
 {
     if($i%2==0)
      echo $b[$k++]." ";

    else
     echo $c[$t++]." ";
 }
```

```
?>
```

PART - B

11.i) Dynamic Image loading

```
function getRandomImage() {
    var imgAr={'A.jpg','B.jpg','C.jpg'};
    var  path =  'images/'; // default path here
    var num = Math.floor( Math.random() * imgAr.length );
    var img = imgAr[ num ];
    var imgStr = '<img src="' + path + img + '" alt = "">';
    document.write(imgStr);
}
<button   onmousedown=" getRandomImage()">Click</button>
```

11.ii) Sort N names and assign roll no

```
<script type="text/javascript">
var a=new Array();
var n=prompt("how many name you want to sort");
for(var i=0;i<n;i++)
a[i]=prompt("Enter the name");
a.sort();
for(var i=0;i<a.length;i++)
{
document.writeln("19ITR"+(i+1)+"  "+a[i]+"<br/>");
}
</script>
```

12.i)DOM Collections

```
<script type="text/javascript">
var nooflink=document.links.length;
var noofimages=document.images.length;
var noofforms=document.forms.length;
document.writeln("No of Links"+ nooflink);
document.writeln("No of Images"+ noofimages);
document.writeln("No of Forms"+ noofforms);
</script>
```

12.ii)Scientific Calculator (CONSIDER ANY FIVE OPTIONS)

```
<body>
<div id="big_wrapper">
<h1 id="heading">SIMPLE SCIENTIFIC CALCULATOR</h1>
<div id="form_wrapper">
<form id="formone" name="calc">
<input id="display" type="text" name="display" value=" " disabled contenteditable="false" >
<br>
<input class="button number" type="button" value="1" onClick="calc.display.value+=1">
<input class="button number" type="button" value="2" onClick="calc.display.value+=2">
<input class="button number" type="button" value="3" onClick="calc.display.value+=3">
<input class="button three" type="button" value="C" onClick="Resetfunction(this.form)">
```

```
<input class="button three" type="button" value="<-" onClick="backspace(this.form)">
<input class="button three" type="button" value="=" onClick="evaluation(this.form)">
<br>
<input class="button number" type="button" value="4" onClick="calc.display.value+=4">
<input class="button number" type="button" value="5" onClick="calc.display.value+=5">
<input class="button number" type="button" value="6" onClick="calc.display.value+=6">
<input class="button opps" type="button" value="-" onClick="calc.display.value+='-'">
<input class="button opps" type="button" value="%" onClick="calc.display.value+='%'">
<input class="button" type="button" value="cos" onClick="cos_function()">
<br>

<input class="button number" type="button" value="7" onClick="calc.display.value+=7">
<input class="button number" type="button" value="8" onClick="calc.display.value+=8">
<input class="button number" type="button" value="9" onClick="calc.display.value+=9">
<input class="button opps" type="button" value="*" onClick="calc.display.value+='*'">
<input class="button" type="button" value="n!" onClick="fact_function()">
<input class="button" type="button" value="sin" onClick="sin_function()">
<br>
<input class="button opps" type="button" value="." onClick="calc.display.value+='.'">
<input class="button number" type="button" value="0" onClick="calc.display.value+=0">
<input class="button opps" type="button" value="," onClick="calc.display.value+=','">
<input class="button opps" type="button" value="+" onClick="calc.display.value+='+'">
<input class="button opps" type="button" value="/" onClick="calc.display.value+='/'">
<input class="button" type="button" value="tan" onClick="tan_function()">
<br>
<input class="button" type="button" value="E" onClick="calc.display.value+=2.718">
<input class="button" type="button" value="pi" onClick="calc.display.value+=3.141">
<input class="button" type="button" value="x^y" onClick="power_function()">
<input class="button" type="button" value="(" onClick="openpara(this.value)">
<input class="button" type="button" value=")" onClick="closepara(this.value)">
<input class="button" type="button" value="log" onClick="log_function()">
<br>
<input class="button" type="button" value="sqrt" onClick="sqrt_function()">
<input class="button" type="button" value="LN2" onClick="calc.display.value+=0.693">
<input class="button" type="button" value="LN10" onClick="calc.display.value+=2.302">
<input class="button" type="button" value="log2E" onClick="calc.display.value+=1.442">
<input class="button" type="button" value="log10E" onClick="calc.display.value+=0.434">
<input class="button" type="button" value="EXP" onClick="exp_function">

</form>
</div>
</div>
</body>

<script>
flag = 0;
function openpara(val)
{
```

```
calc.display.value+=val;
flag+=1;
}
function closepara(valval)
{
calc.display.value+=valval;
flag-=1;
}
function backspace(calc)
{
var size = calc.display.value.length;
calc.display.value=calc.display.value.substring(0,size-1);
}
function Resetfunction(calc)
{
calc.display.value=" ";

flag=0;
}
function cos_function()
{
flag+=1;
calc.display.value+='Math.cos(';
}
function sin_function()
{
flag+=1;
calc.display.value+='Math.sin(';
}
function tan_function()
{
flag+=1;
calc.display.value+='Math.tan(';
}
function log_function()
{
flag+=1;
calc.display.value+='Math.log(';
}
function sqrt_function()
{
flag+=1;
calc.display.value+='Math.sqrt(';
}
function exp_function()
{
flag+=1;
calc.display.value+='Math.exp(';
}
```

```
function fact(x)
{
factvar=1;
for (i=1;i<=x;i++)
{
factvar=factvar*i;
}
return factvar;
}
function fact_function(x)
{
flag+=1;
calc.display.value+='fact(';
}
function power_function(x)
{
flag+=1;
calc.display.value+='Math.pow(x,y';
}
function evaluation(calc)
{
n = calc.display.value;
var size = calc.display.value.length;
var lastchar = calc.display.value.charAt(size)
if(isNaN(lastchar) && lastchar!=")" && lastchar!="!")   {calc.display.value="syntax error";}
else if(flag!=0){calc.display.value="error:paranthesis";}
else {
result=eval(n);
calc.display.value=result;}
}

</script>
```

13)Dynamic Table

```
<script type="text/javascript">
        function func()
            {
                var t=document.getElementById("tab");
                var r=t.insertRow(-1);
                var c1=r.insertCell(0);
                var c2=r.insertCell(1);
                var c3=r.insertCell(2);
                c1.innerHTML=prompt("ENTER ROLL NO");
                c2.innerHTML=prompt("ENTER NAME");
                c3.innerHTML=prompt("ENTER DEPARTMENT");
    }
    function func1()
    {
         var t=document.getElementById("tab");
         var y=prompt("ENTER ROW TO DELETE");
         if(y<=0)
```

```
        {
            alert("PLEASE CHOOSE ANOTHER");
        }
        else
        {
            t.deleteRow(y);
        }
    }
</script>
```

HTML CODE:

```
<h2>STUDENT TABLE</h2>
        <table border='1' id="tab">
            <tr>
                <th>ROLLNO</th>
                <th>NAME</th>
                <th>DEPARTMENT</th>
            </tr>
        </table>

    <button onclick="func()">INSERT</button>
    <button onclick="func1()">DELETE</button>
```

14.

DB Connection: (dbcon.php)

```
<?php
   $link=mysqli_connect('localhost','krp','prasanna','kec');
   if(!$link)
   {      echo mysqli_error($link);    }
?>
```

CREATE TABLE:

```
<?php
include("dbasecon.php");
$sql="CREATE TABLE user (name VARCHAR(20),mobile VARCHAR(10),email VARCHAR(20),address
VARCHAR(150))";
 if(mysqli_query($link,$sql))
 {
        echo "Table Created";
 }
 else
 {
      echo mysqli_error($link);
 }
 mysqli_close($link);
 } ?>
```

FORM DESIGN:

```
<html> <body>
<h2>Registration Form</h2>
<form action="insert.php" method="POST">
 Name:<br>
  <input type="text" name="name"  >
  <br>
 Mobile:<br>
  <input type="text" name="mobile" >
```

```
   <br>
Email:<br>
 <input type="text" name="email" >
 <br>
Address:<br>
 <input type="text" name="address" >
 <br><br>
 <input type="submit" value="Submit">
</form></body></html>
```

insert.php

```
<?php
        include("dbasecon.php");
       $name=$_POST['name'];
       $mobile=$_POST['mobile'];
       $email=$_POST['email'];
       $address=$_POST['address'];
       $sql="INSERT INTO user VALUES('$name','$mobile','$email','$address'))";
        if(mysqli_query($link,$sql))
        {                    echo "Success";       }
        else
        {               echo mysqli_error($link);        }
 mysqli_close($link); ?>
```

update.php

```
<?php
    include("dbasecon.php");
    $address=$_POST['address'];
    $mobile=$_POST['mobile'];
    $query="UPDATE user SET address='$address' WHERE mobile='$mobile'";
    if(mysqli_query($link,$query))
        echo "updated";
    else
        echo mysqli_error($link);
mysqli_close($link);
?>
```

delete.php

```
<?php
include("dbasecon.php");
$mobile=$_POST['mobile'];
$sql = "DELETE FROM user WHERE mobile='$mobile'";
if (mysqli_query($conn, $sql)) {
  echo "Record deleted successfully";
} else {
  echo "Error deleting record: " . mysqli_error($conn);
}
```

```
mysqli_close($conn);
?>
```

List.php

```
<?php
include("dbasecon.php");
$query="SELECT * FROM user";
if($result=mysqli_query($link,$query))
{
    while($row=mysqli_fetch_array($result))
    {
        echo $row['name']." ".$row['mobile']." ".$row['email']." ".$row['address'];
        echo "</br>";
    }
    echo "no of records:".mysqli_num_rows($result);
}
mysqli_close($link);

?>
```

T. OF COMPUTER SCIENCE & ENGG
KONGU ENGINEERING COLLEGE,
THOPPUPALAYAM (PO)
PERUNDURAI (TK), ERODE - 638 060

Vani Dhayaseelan	31/8/19
Name and signature of Hall Supdt. with Date	

KONGU ENGINEERING COLLEGE

PERUNDURAI ERODE - 638 060.
(Autonomous)

Estd : 1984

Name of the Student	AKASH.M	Register No.	1	7	C	S	R	0	0	9
Programme	B.E	Branch & Semester	CSE V							
Course Code and Name	14ITT52 WEB TECHNOLOGY	Date	31-08-19.			No.of Pages Used				

MARKS TO BE FILLED IN BY THE EXAMINER

PART - A		PART - B			Grand Total Max. Marks : 50
Question No.	Max Marks : 2	Question No.		Max Marks : 10	
1	2	11	i)	5	45
2	2		ii)	5	
3	2	12	i)	5	
4	2		ii)	5	
5	2	13	i)	7	
6	2		ii)		
7	2	14	i)		
8	/		ii)		
9	2				
10	2				
TOTAL	18 18	TOTAL		27 27	

Total marks in words :

INSTRUCTION TO THE CANDIDATE

1. Check the Question Paper, Programme, Course Code, Branch Name etc., before answering the questions.
2. Use both sides of the paper for answering questions.
3. POSSESSION OF ANY INCRIMINATING MATERIAL AND MALPRACTICE OF ANY NATURE IS PUNISHABLE AS PER RULES.

31/8/19
Signature of the Examiner with Date

M. Viswanathan
Name of the Examiner

CONTINUOUS ASSESMENT TEST-II

WEB TECHNOLOGY.

Answer the following.

1. <Script>

var a = new Array ("one", "two", "three");

x = a.indexOf(1); // x will assigned as two.

document.write(x); // o/p: two.

</Script>

2. <Script>

function perform()

{ var x = document.createElement("li");

var temp = document.getElementById("dis").value;

var node = document.createTextNode(temp);

var y = document.getElementById("mylist");

x.appendChild(node);

y.appendChild(x);

}

</Script>

<Body>

<form>

<input id="dis" type="text" placeholder="Enter District">

<button type="button" onclick="perform()"> Enter </button> </br>

<ul id="myList"> Chennai

3. <script>

function perform()

{ var a = new Date();

var x = a.getTime();

var y = a.getDate();

document.getElementById("one").innerHTML = "Date" + y;

document.getElementById("Two").innerHTML = "Time" + x;

}

</body>

<h1> Sample Date and Time Display </h1>

<button type = "button" onclick = "perform()" > click. </button>

 .

4. <Script>

//document.getElementById("demo").addEventListener(mouseover, perform()

function perform()

{ document.getElementById("demo").Style.Color = "green";

}

</Script>

<body>

<h1 id = demo onmouseover = perform()> KONGU ENGINEERING COLLEGE </h1>

</body>

5. <Script>

function convertupper()

{ var x = document.getElementById("name").value;

document.getElementById("op").innerHTML = x.toUpperCase();

}

```
function convertLower()
{ var y: document.getElementById("name").value;
  document.getElementById("op").innerHTML = y.toLowerCase();
}
</Script>
<body>
<form>
<input type="text" id="name">
<button type="button" onclick="convertUpper()">Uppercase</button>
<button type="button" onclick="convertLower()">Lower case</button>
</form>
<p id="op"></p>
</body>
```

6.

POST	GET
* post method provides the content of the form to another page without providing the values on URL.	* Get extracts the form parts on URL to send validate section.
* post	
* post is more secure to data share	* Get is not much secure
* post method can pass many data	* Get can pass limited

7. i) define array with index.
   $a = new Array(1,2,3,4);
   ii) define index separately
   $a = new Array();
   $a[0] = 1; $a[1] = 2;

(iii) Multi dimensional Array:

Eg: ~~var~~ $a = new Array (new Array (1, 2) , new Array (1, 3));

9. Both echo and print in php will display the values which is given in the function. In array, echo will print the array values. Eg: echo $a[0]; will print the 1st index value print $ar[0] will provide 1st index value.

10. <? php

$ arr = new Array (1, 2, 3, 4, 5, 6); ~~arr.sort();~~

for ($i=0; i< arr.length ; ~~i++~~ i=i+2)

{ ~~arr~~ $a1[i] = arr[i];}

~~arr~~ a1.sort();

for ($i=1; i< arr.length ;i=i+2)

{ $a2[i] = arr[i];}

a2.rsort();

~~arr~~ for ($i=0; i< arr.length ;i=i+2)

{ arr[i] = a1[i];}

for ($i=1; i< arr.length ; i=i+2);

{ arr[i] = a2[i];}

?>

Answer the following.

11. i)

```
<html>
<head>
<title> Random Image Generation </title>
<script>
document.body.addEventListener ( click, perform() );
function Perform()
{ var x = parseInt( Math.Random() * 7) ; // Having 7 rand
document.getElementById("demo").innerHTML = '<img src ="pic' +
Random Images\" >'
}
</script>
<body>
<p id = "demo"> Click anywhere to generate Random Image</p>
</body>
</html>
```

ii) <html>

<head>

<title> Student Roll no. Generation </title>

<script>

* ~~alert ("Enter no. of students");~~

function performs ()

{ var x = document.getElement By Id ("no").value; var arr = new Array();

for (var i=0; i<x ; i++)

{ ~~arr[i] = "19"~~

var j = ParseInt(i) +1;

arr [i] = ~~"19"~~ "191TR" +

if (j<10)

arr[i] = "191TR00" + j;

else if (j>=10 && j<100)

arr [i] = "191TR0" + j;

else

arr [i] = "191TR" + j;

} var app = document.getElementById ("disp");

var jx= document.createElement ("li");

for (var i=0; i<n ; i++)

{ var y = document.~~get~~createTextNode (arr[i]);

jx.appendchild (x);

app.appendchild (jx);

}

}

</script>

<body>

<form> <input type = "text" id = "no" placeholder = "Enter no. of. Student">

```
<button type = "button" onclick = "performClick()"> Click </button>
<ul id = "dlop">
</ul>
</body>
</html>
```

12. i] <html>

<head>

<title> </title>

<script>

function performs ( ) {

{ var a = document. images. length ;

var b = document. links. length;

var c = documents. forms. length;

alert (" Images : " + a);

alert (" Links : " + b);

alert (" forms : " + c);

} </script>

<body>

<img src = "img1" > <img src = "img2" >

 google

 yahoo

 my form

<form>

<input name = "name" type = "text" >

</form>

<button type = "button" onclick = performs() " > check </ button

</body>

</html>.

iii) <Html>
<head>
<Script> var a; var b;
function One (var s)
{ document.getElementById("op").innerHTML += s;
if (s == "+" || s == "-" || s == "*" || s == "/")
{ b = s; }
a = document.getElementById("op").value;
function Sin (a)
{ document.getElementById("op").innerHTML = Math.sin(a);
}
function Cos (a)
{ document.getElementById("op").innerHTML = Math.cos(a);
function Tan (a)
{ document.getElementById("op").innerHTML = Math.tan(a);
function perform()
{ var x = document.getElementById("op").value.split("b");
for (var i=0; i < x.length; i++)
{ if (b == "+")
var ans += parseInt(x[i]);
if (b == "-")
var ans -= parseInt(x[i]);
if (b == "*")
var ans *= parseInt(x[i]);
if (b == "/")
var ans /= parseInt(x[i]);
document.getElementById("op").innerHTML = ans; }

```
</Jcript>
 <body>
 < p id = "op" >
<button type = "button" onclick = "one()" > 1 </button>
<button type = "button" >
button type = "button"
<button type = "button"
<button type = "button" onclick = "sin() > sin </button>
< button type = "button" onclick = "cosin() > cos < / button >
< Bull
```

13. <Html>

<Head>

<Script>

function perform (f)

{ var x = document.createElement("tab"); var a = 0;

var x = document.getElementById("tab"); var I = document.createElement("t

var y = x.insertRow(a);

y.insertcell(f.sno.value);

y.insert cell (f.name.value);

y.insert cell (f.dept.value);

a = a + 1;

}

function delth(f)

{ var x = f.x.value;

var I = document.getElementById("tab");

I.removeChild[x];

}

</Script>

<body>

<form>

<input id="sno" type='text' >

<input id="name" type='text' >

<Input id="dept" type='text' >

<button onclick="perform(this.form)"> Enter </button>

</form>

<table id="tab"> </table>

<form> <input name="x" type="text" placeholder="Enter row no to d

<button onclick="delete(this.form)"> </form>