

Birla Institute of Technology
Off Campus, Noida
CA257 Web Technologies Lab
Quiz 1

Date: 7-2-23
Duration: 30 minutes
Answer All the questions.

- Q1. Design a HTML document that displays a form that a user can fill to update his/her address of a bank account. The information required is: the account number, account holder's name, PIN number, the current address and new address. (5 marks)
- Q2. Write JavaScript code that reads information from the above form. The code then verifies the PIN to check if it has 6 digits and not a negative number or zero. If the PIN is valid then the code displays message that address can be changed. If the PIN is not valid, ^{then} the code displays message that the Pin is not valid and address can not be changed. (5 marks)

Birla Institute of Technology
Off Campus Noida
CA256 Web Programming
Quiz 2 (Set 1)

Date: 28/2/2023
Duration: 45 minutes

- ~~Q1.~~ Discuss various comparison operators in PHP (2 mark. Covers CO3).
- ~~Q2.~~ Create a web page that contain a form, which has five text boxes for user to enter marks in five subjects. Assume that the names of the text boxes are m1, m2, m3, m4 and m5. Assume that the form is submitted by post method. (3 marks. Covers CO5)
- ~~Q3.~~ Create a PHP dynamic web page that reads these marks from the above page and stores the data in a database table. You assume that a table exists in a database. You need not write code to create database or table.(5 marks. Covers CO5).

BIRLA INSTITUTE OF TECHNOLOGY, MESRA, RANCHI
(MID SEMESTER EXAMINATION SP2023)

CLASS: BCA
BRANCH: BCA

SEMESTER : IV
SESSION : SP2023

SUBJECT: CA256 WEB PROGRAMMING

TIME: 02 Hours

FULL MARKS: 25

INSTRUCTIONS:

1. The question paper contains 5 questions each of 5 marks and total 25 marks.
 2. Attempt all questions.
 3. The missing data, if any, may be assumed suitably.
 4. Tables/Data handbook/Graph paper etc., if applicable, will be supplied to the candidates
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		CO	BL
Q.1(a)	What do you mean by Domain Name System?	[2] 1	1
Q.1(b)	Explain briefly the 3-tier architecture of web based application.	[3] 1	2
Q.2(a)	Discuss in brief about the <link> and <style> tags of HTML.	[2] 1,3	2
Q.2(b)	Write code to create an HTML form and show the use of Text box and Radio button.	[3] 5	3
Q.3(a)	Write about two display methods in Javascript.	[2] 1	2
Q.3(b)	Classify Javascript data types with valid examples.	[3] 1	1
Q.4(a)	Explain about the prompt pop up box in Javascript.	[2] 1,5	2
Q.4(b)	Write a simple program in Javascript to take a user input through text box or prompt box and check whether the number is odd or even.	[3] 3	3
Q.5(a)	What is Document Element Section in XML?	[2] 1	2
Q.5(b)	Write the XML element or tag rules.	[3] 1	1

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CA257 Web Programming Lab
Quiz 2

Date: 31-3-2023

Duration: 45 minutes

1. Is PHP case-sensitive language?
2. What tags do you use to write PHP code in a web page?
3. Name and give examples of three levels of scope of variables in PHP.
4. Name and give examples of three types of arrays in PHP.
5. What is the output of the following code?

```
<?php
$x = 5;
echo $x;
echo "<br />";
echo $x+++ $x++;
echo "<br />";
echo $x;
echo "<br />";
echo $x--- $x--;
echo "<br />";
echo $x; ?>
```

6. What is the output of the following code?

```
<?php
$x = 5; $y = 12;
function compute()
{
    $x = $x + $y - 4;
    $y++;
}
compute();
echo "<br />";
echo $x; echo $y; ?>
```

7. Suppose \$arr = (5,7,2,4,1,6). Write PHP code to sort this array such that their indexes are preserved. That is the output will be 4=>1, 2=>2, 3=>4, 5=>6, 0=>7
8. What is the difference between the two lines of code below:
line 1: new PDO("mysql:host='localhost';", root, "password")
line 2: new PDO("mysql:host='localhost';dbname='mydb'", root, "password")
9. Give examples of three ways of writing comments in PHP.
10. Write a function in PHP that takes three integer parameters and returns their sum. The function call should be able to take one or two or three parameters.

Birla Institute of Technology
Off Campus Noida

CA257 Web Programming Lab
End Semester Exam

Date:

Duration: 1 hour 30 minutes

Instructions: Each question carries 1 mark. Maximum marks is 20. Answer all the questions.

1. Write HTML element that creates a descriptive list in a web page.
2. Write <a> element that links current web page to "questionbank.HTML".
3. Write HTML element that displays the image from "myimage.jpg". If the file is not available, the element should display suitable message to the user.
4. Suppose you defined some css styles in a file called "mystyle1.css. Suppose you also defined another set of styles in "mystyle2.css" Write HTML code to link these two files to the page such that only one style at a time is applicable.
5. Write JavaScript code to create an array of the twelve month names of a year.
6. What is the output of the following JavaScript code snippet:

```
var quiz=[1,2,3];  
var js=[6,7,8];  
var result=quiz.concat(js);  
document.writeln(result);
```
7. Write JavaScript code to print current date in a paragraph.
8. Suppose a JavaScript file called myscript.js contains some functions. Write HTML code to link this JavaScript file to the HTML file.
9. How do you write comments in a xml file?
10. List the three types of tags in xml.
11. Write the correct declaration line for an xml document.
12. Why do we prefer xml schema to dtd for an xml document?
13. What is the path of a PHP file in xampp?
14. Give examples of various ways of writing output from PHP code.
15. Define a function in PHP that takes a number as a parameter and returns the cube root of the number.
16. Write PHP code that calls the function in the above question and prints the result.
17. What are the two properties that every sever-side control must have?
18. Which part of the ASP.NET web form contains the script that handles an event?
19. List the five types of controls that an ASP.NET web page can contain?
20. Give examples of using TextMode property of TextBox in a web form.

BIRLA INSTITUTE OF TECHNOLOGY, MESRA, RANCHI
(END SEMESTER EXAMINATION)

CLASS: BCA
BRANCH: BCA

SEMESTER : IV
SESSION : SP/2023

SUBJECT: CA256 WEB PROGRAMMING

TIME: 3 Hours

FULL MARKS: 50

INSTRUCTIONS:

1. The question paper contains 5 questions each of 10 marks and total 50 marks.
 2. Attempt all questions.
 3. The missing data, if any, may be assumed suitably.
 4. Before attempting the question paper, be sure that you have got the correct question paper.
 5. Tables/Data hand book/Graph paper etc. to be supplied to the candidates in the examination hall.
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		CO	BL
Q.1(a)	Write a detailed note on HTML <head> tag and its significance.	[5]	1, 1,2
Q.1(b)	Create a webpage in HTML having a table with five rows and two columns storing the roll number and name of students. The table should have a caption, column header and each row should have a separate background colour.	[5]	5, 3,6
Q.2(a)	Write a program in Javascript to take an integer input through prompt box and check whether the number is palindrome or not.	[5]	4,5, 3,6
Q.2(b)	Demonstrate the use of five string methods in Javascript.	[5]	3, 2,4
Q.3(a)	Write a short note on Document Prologue Section in an XML document.	[5]	1,3, 1,2
Q.3(b)	Explain the XML Document Type Declaration with valid example.	[5]	1,4, 2,3
Q.4(a)	Discuss about five salient features of ASP.NET.	[5]	2, 1,2
Q.4(b)	Explain any two ASP.NET validation controls and their uses.	[5]	2, 2,5
Q.5(a)	Write a short note on variable scope in PHP scripting language.	[5]	3, 2,5
Q.5(b)	Write a program in PHP to display the first ten terms of the Fibonacci series.	[5]	4,5, 3,6

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