

DEGREE OF BACHELOR OF INFORMATION TECHNOLOGY (EXTERNAL)

Academic Year 2015/2016 – 2nd Year Examination – Semester 3

IT3505: Web Development Techniques
PART 2 - Structured Question Paper

8th May, 2016
(ONE HOUR)

To be completed by the candidate

BIT Examination Index No:

Important Instructions:

- The duration of the paper is **1 (one) hour**.
- The medium of instruction and questions is English.
- This paper has **2 questions** and **7 pages**.
- **Answer all questions.** All questions **do not** carry similar marks.
- **Write your answers** in English using the space provided **in this question paper**.
- Do not tear off any part of this answer book.
- Under no circumstances may this book, used or unused, be removed from the Examination Hall by a candidate.
- Note that questions appear on both sides of the paper.
If a page is not printed, please inform the supervisor immediately.

Questions Answered

Indicate by a cross (×), (e.g.

×

) the numbers of the questions answered.

	Question numbers	
	1	2
To be completed by the candidate by marking a cross (×).		
To be completed by the examiners:		

- 1) (a) Identify the syntax errors in the following PHP script, which is coded to output the text “Hello World”. Rewrite the code by removing all syntax errors to produce the expected output.

```
<php
a = "Hello"
b = 'World'
echo a + b
>
```

(10 Marks)

ANSWER IN THIS BOX

<php	This should be <?php
a = "Hello"	This should be \$a = "Hello";
b = 'World'	This should be \$b = "World";
echo a + b	This should be echo \$a . " " . \$b
>	This should be ?>

- (b) Consider the following JavaScript object definition

```
function student(name,age){
    this.name = name;
    this.age = age;
};
```

Give JavaScript commands required to

- Instantiate a student object with the value of the property **name** is “Kamala” and **age** is 15.
- Display the values of all the properties of the newly created object by using the command **alert** .

(10 Marks)

ANSWER IN THIS BOX

i) var student = new student("Kamala",15);

)

ii)

```
alert(student.name);
alert(student.age);
```

c) Consider the following PHP script.

```
<?php
    setcookie("name","saman",time()+3600);
?>
```

- i) Write a PHP script to change the value of this cookie to “Gamini”.
- ii) Write a PHP script to delete this cookie.

(10 marks)

i)

```
<?php
    setcookie("name","Gamini",time()+3600);
?>
```

ii)

```
<?php
    setcookie("name","Gamini",time()-3600);
?>
```

d) Consider the following PHP script.

```
<?php
$f = fopen("data.txt","w");
$c = 0;
$c += fwrite($f,"My name is saman");
echo $c;
fclose($f);
?>
```

Assume that a non-empty file with the name "data.txt" exists in the same directory (folder) where this script is stored.

- i) Explain the effect of each statement of the script.
- ii) After executing this script what will be the content of the file "data.txt".
- iii) What would be the output appear on the screen after the execution of this script.

(20 marks)

ANSWER IN THIS BOX

i) **<?php** demark what follows as a php script.

\$f = fopen("data.txt","w"); Open a file named "data.txt" for writing data and \$f points to the start of the file.

\$c = 0; Initialize the variable \$c to value 0

\$c += fwrite(\$f,"My name is saman"); Write the string "My name is saman" to the file and returns the number of characters written to the file which is added to the variable \$c (3 Mark)

echo \$c; print the value of the variable \$c

fclose(\$f); Closes the file pointed to by the variable \$f

?> demarks the end of the PHP script

ii) Content of the file :
My name is saman

iii) Output on the screen :
The value of the variable \$c or 16

a) What is the difference between the following JQuery selectors?

- a) \$('#01')
- b) \$('ul #01')
- c) \$('ul, #01')

(10 Marks)

Answer :

- a) \$('#01')

Selects all elements with the id 01

- b) \$('ul #01')

This select all child elements of ul tags with the id 01

- c) \$('ul, #01')

This select all elements with tag ul or the id 01

The remaining parts of this question are based on the following MySQL database table “**student**”.
The name of the database is ‘**school**’.

Assume that the database can be accessed by using the use id “**root**” with the password “**root123**”.

id	name	sex	class
95001	Saman	m	2A
95002	Kamala	f	2D
94001	Sunil	m	4B
94002	Wasantha	m	4A
94003	Wasana	f	4A

- b) Give an HTML script to get the required data to add records to the table. You must specify your assumptions clearly, if any.

(20 marks)

ANSWER IN THIS BOX

```
<html>
<body>

<form name="myForm" action="add.php" method="POST">
Id:
<input type="text" name="Id"/><br/>
name:
<input type="text" name="name" /><br/>
Sex:
<input type="text" name="sex" /><br/>
Class:
<input type="text" name="class" /><br/>
<input type="submit" value="Add Record" />
</form>
</body>
</html>
```

- c) Write a PHP script to be executed from the script you have given in above b) part which adds records to the “**student**” table from the information gathered.

(20 marks)

ANSWER IN THIS BOX

```
<?php
```

```
$servername = "localhost";
```

```
$username = "root";
```

```
$password = "123456";
```

```
$dbname = "school";
```

```
$conn = mysqli_connect($servername, $username, $password, $dbname);
```

```
$values = implode(" ',",$_POST);
```

```
$sql = "insert into students values('". $values . "')";
```

```
echo $sql;
```

```
mysqli_query($conn,$sql);
```

```
?>
```

```
<?php
```
