



**UNIVERSITY OF COLOMBO, SRI LANKA**  
**UNIVERSITY OF COLOMBO SCHOOL OF COMPUTING**

**DEGREE OF BACHELOR OF INFORMATION TECHNOLOGY ( EXTERNAL)**

**Academic Year 2015/2016 – 2<sup>nd</sup> Year Examination – Semester 3**

***IT3505: Web Application Development II***  
***PART 2 - Structured Question Paper***

**8<sup>th</sup> 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 **9 pages**.
- **Answer all questions.** All questions **do not** carry equal 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. 

×
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) the numbers of the questions answered.

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

- 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**

(b) Consider the following JavaScript object definition.

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

Give JavaScript commands required to

- i) Instantiate a student object with values for the properties **name** as “Kamala” and **age** as 15.
- ii) Display the values of all the properties of the newly created object by using the command **alert** .

(10 Marks)

**ANSWER IN THIS BOX**

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)

**ANSWER IN THIS BOX**

- 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 output would appear on the screen after the execution of this script?

**(20 marks)**

**ANSWER IN THIS BOX**

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There is no text or other markings on the paper.

2

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

a) \$('#01')

b) \$('ul #01')

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

(10 marks)

**ANSWER IN THIS BOX**

Parts b) and c) 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 with a form element to gather data required to create a new record in the table . You must state your assumptions clearly, if any.

(20 marks)

**ANSWER IN THIS BOX**



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

(20 marks)

**ANSWER IN THIS BOX**

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