



UNIVERSITY OF COLOMBO, SRI LANKA

UNIVERSITY OF COLOMBO SCHOOL OF COMPUTING

DEGREE OF BACHELOR OF INFORMATION TECHNOLOGY (EXTERNAL)

Academic Year 2013/2014 – 2nd Year Examination – Semester 3

IT3504: Web Development Techniques
PART 2 - Structured Question Paper

2nd March 2014
(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 **3 questions** and **8 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. ☐) the numbers of the questions answered.

To be completed by the candidate by marking a cross (×).	Question numbers			
	1	2	3	
To be completed by the examiners:				

- (b) State the key components of LAMP solution stack and briefly explain the functionality of each component.

(15 marks)

ANSWER IN THIS BOX

- c) Describe the Domain Name System (DNS) and explain the role it plays in the Internet or the world wide web operations.

(15 marks)

ANSWER IN THIS BOX

- 2) Suppose you are required to display the current price list for an online shop where items are categorised and organized as given below.

Table ItemsData

ItemNo (primary Key)
ItemName
ItemCategory
Unit
PriceCode

Table PriceData

PriceCode (primary Key)
UnitPrice
EffDate

Write HTML/PHP code to display a price list consisting of item number, item name and effective unit price, for an online shop. Items must be ordered according to item category in a tabulated format.

Note: - assume that you already have a working database connection (connection name "\$MYSQL_CONN").

(25 marks)

ANSWER IN THIS BOX

Continued...

3) Write a Java Script code to validate following conditions of a phone number for a web application

- Only numbers are allowed
- Can start with country code(94)or 0 with area or operator code (validating operator or area codes is not required)
- Total length must be 10 (without country code) or 11 (with country code)

Note:- you may call your function as “validate”

(25 marks)

ANSWER IN THIS BOX

Continued...

