UNIVERSITY OF COLOMBO, SRI LANKA

UNIVERSITY OF COLOMBO SCHOOL OF COMPUTING

DEGREE OF BACHELOR OF INFORMATION TECHNOLOGY (EXTERNAL)

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

IT3405: User Interface Design
PART 2 - Structured Question Paper

8th May, 2016
(ONE HOUR)

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 **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 the 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			
To be completed by the candidate by marking a cross (✗).	1	2	3	
To be completed by the examiners:				

1) (a) Explain Direct and Indirect interaction types when you use an application. Give one example for each interaction style considering a word processing software. (10 Marks)

ANSWER IN THIS BOX

(b) Customization is a method to extend a user interface. How does the customization affect the user? Give an example for customization in office applications. (10 Marks)

ANSWER IN THIS BOX

(c) Explain how the work of Mr. Tim Berners Lee affected the human-computer interaction. (10 Marks)

ANSWER IN THIS BOX

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(d) Compare and contrast **Short Term Memory (STM)** and **Long Term Memory (LTM)**. (10 Marks)

ANSWER IN THIS BOX

Compare **Usability** and **Accessibility**. (10 Marks)

2) (a)

ANSWER IN THIS BOX

(b) Describe the **Gulf of Execution** and **Gulf of Evaluation** when using a system. (5 Marks)

<u>**ANSWER IN THIS BOX**</u>

(c) Identify ways to reduce the gulf in a software system. (5 Marks)

<u>**ANSWER IN THIS BOX**</u>

Continued…

(d)   List **three (3)** menu types and briefly state how each menu type behaves. (10 Marks)

ANSWER IN THIS BOX

3)   Following is the top part of a prototype home screen developed for a local hotel in Sri Lanka. Both local and foreign customers are welcome to this hotel.

Sunset View
Resort & Spa

About Us   Gallery

HOME | Accommodations | Location | Rates | Facilities

Description about the hotel:
Sunset View is a 5-start hotel for foreign visitors located in down south of Sri Lanka.

Make a Reservation   DD/MM/YYYY   DD/MM/YYYY   Select Your Country ▼   BOOK NOW

(a) Identify **at least two (2)** design errors in the above screen design. (6 Marks)

ANSWER IN THIS BOX

(b) Identify **two (2)** good design considerations in the above screen. (6 Marks)

ANSWER IN THIS BOX

Continued…

(c) What are the possible usability issues in this screen? Identify **at least two (2)** issues. (6 Marks)

<u>**ANSWER IN THIS BOX**</u>

(d) Draw a sketch of redesign interface based on your suggestions. (12 Marks)

<u>**ANSWER IN THIS BOX**</u>

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