



UNIVERSITY OF COLOMBO, SRI LANKA

UNIVERSITY OF COLOMBO SCHOOL OF COMPUTING

DEGREE OF BACHELOR OF INFORMATION TECHNOLOGY (EXTERNAL)

Academic Year 2014/2015 – 2nd Year Examination – Semester 3

IT3405: User Interface Design (Model Paper)
PART 2 - Structured Question Paper

01st March, 2015
(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 **09 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.

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

- 1) (a) List main components of interaction model. Describe how these components communicate with each other. (Marks 10)

ANSWER IN THIS BOX

- (b) Name **three ways** to extend the interface of a device. Describe briefly the possible reasons to extend a particular interface? (Marks 10)

ANSWER IN THIS BOX

- (c) Write a short composition about the inventor of the mouse. (Marks 10)

ANSWER IN THIS BOX

- 2) (a) What is FITTS Law? Explain its applicability in the screen design. (Marks 10)

ANSWER IN THIS BOX

- (b) What is Perceptual computing? Given an example to demonstrate it in the desktop environment.
(Marks 10)

ANSWER IN THIS BOX

(c) What is a “slip” that occurs when a person interacts with a computer? (Marks 5)

ANSWER IN THIS BOX

(d) What are the key elements of WIMP interfaces? How do widget support WIMP interfaces? (Marks 5)

ANSWER IN THIS BOX

3) | Consider the prototype screen design given below to answer following questions.

Contact Form

Name

Email

Message

(a)	Identify two design errors (Marks 6)
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ANSWER IN THIS BOX

(b) Describe two possible usability issues in this design (Marks 6)

[illegible]

(c) Suggest how to improve the user interface design of this data entry form (Marks 12)

ANSWER IN THIS BOX

- (d) Draw a sketch of the redesigned interface based on your suggestions (Marks 16)

Contact Form

If you need additional information about our services please send your message to our staff with an email address.

Your Name with initials (e.g. S. T. Perera)

A valid email address (e.g. stp@gmail.com)

Please describe your requirement within 250 words

Cancel Submit
