

UNIVERSITY OF COLOMBO, SRI LANKA



UNIVERSITY OF COLOMBO SCHOOL OF COMPUTING

DEGREE OF BACHELOR OF INFORMATION TECHNOLOGY (EXTERNAL)

Academic Year 2012/2013 – 2nd Year Examination – Semester 4

IT4304: Rapid Software Development PART 2 - Structured Question Paper

21st July, 2013 (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 guestions 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 (x), (e.g. X) the numbers of the questions answered.

	Ques	tion nun	nbers	
To be completed by the candidate by marking a cross (x).	1	2	3	
To be completed by the examiners:				

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Wh	at are the four main facts stated in the "Agile Manifesto"?	(8 marks
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Wh	at is meant by "Software Prototyping" in the context of software engine	eering? (3 marks)
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	nen prototyping is used in rapid application development, it is often said	
	ne. What is meant by "iterative until done" in the point of views igners?	6 of the developed (6 of the developed)
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"Requirements Gold Plating" and "Developer gold plat	
	ting" are two classic mistakes in softw
engineering. What do they mean?	(6 Marks)
ANSWER IN THIS BOX	
What is "Function Point (FP) Analysis / Estimation development?	(4 marks)
ANSWER IN THIS BOX	

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Use the following FP Multiplication Table to answer the questions below.

		Functional Po	oint
Program Characteristic	Low	Medium	High
	Complexity	Complexity	Complexity
Number of Inputs	×3	×4	×6
Number of Outputs	×4	×5	×7
Inquiries	×3	×4	×6
Logical Internal Files	×7	×10	×15
External Interface Files	×5	×7	×10

A medium complexity software project is having 8 inputs, 5 outputs, 2 inquires, 3 logical internal files and 6 external interface files. The influence multiplier of this project is 1.12.

(d)	Calculate the Function Point Total for the above software project.	(10 marks)
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(e)	Calculate the Adjusted Function Point Total for the above software project.	(5 marks)
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