

Beijing-Dublin International College



SEMESTER I FINAL EXAMINATION - 2017/2018

School of Computer Science & Informatics

COMP3005J Agile Processes

HEAD OF SCHOOL NAME: Prof. Pádraig Cunningham

MODULE COORDINATOR NAME*: Dr. Anca D. Jurcut

Time Allowed: 60 minutes

Instructions for Candidates

Answer all questions. Total marks available 60.

BJUT Student ID:	UCD Student ID:
I have read and clearly understand the	Examination Rules of both Beijing University of
Technology and University College Dubli	lin. I am aware of the Punishment for Violating the
Rules of Beijing University of Technology	logy and/or University College Dublin. I hereby
promise to abide by the relevant rules ar	nd regulations by not giving or receiving any help
during the exam. If caught violating the ru	rules, I accept the punishment thereof.
Honesty Pledge:	(Signature)

Instructions for Invigilators

Non-programmable calculators are permitted. No rough-work paper is to be provided for candidates.

Shield the team from external interferences.
Remove impediments.
Enforce process: daily meeting, planning meeting, review meetings
Decide on the priority of the features

[2 marks]

Obtained	QUESTION 3		
score	What is a user story according to Scrum?		
O A spe	ecification of what does a user wants and why.		
Some	ething a user wants.		
^O A col	lection of pictures expressing the customer's needs.		
^O An in	formal chat between the customer and the developers about what the system should do. [2 marks]		
Obtained	QUESTION 4		
score	What's the issue with user stories according to the course? Check all that apply.		
_	stories don't really represent what the user wants.		
	stories tend to change over time, becoming invalid.		
	stories are to requirements what tests are to specifications: just examples.		
□ User	stories may misrepresent the abstraction they are supposed to describe. [2 marks]		
Obtained	QUESTION 5		
score	Which of the following are considered traditional manager responsibilities? Check all that		
	apply.		
□ Provi	de an interface with the customer.		
□ Provi	de an interface with higher management.		
_	ew developers' code.		
Provi	de diagrams (for example, UML diagrams) of the software system.		
	[2 marks]		
Obtained	QUESTION 6		
score	What do agile methods suggest to maintain a sustainable pace? Check all that apply.		
NT -	vertime.		
_	e code as little as possible.		
Constant refactoring.			
_	e sure that a project has enough developers.		
141416	[2 marks]		

Obtained	QUESTION 7
score	Who are the "pigs" in a Scrum meeting?
People Core	customers. le not truly committed to the project, who will give an opinion if asked to do so. participants to the project, allowed to participate actively in the meeting. Scrum master and the Product owner. [2 marks] QUESTION 8 Which of the following numbers can be used to measure progress in a software project according to Scrum?
O Num	city in story points. ber of passing tests. ber of failing tests. ber of overtime hours worked by the team. [2 marks]
Obtained score	QUESTION 9
30016	What happens during a review meeting in Scrum? Check all that apply.
	eam members discuss both the completed and non-completed work with the customer.
	eam members demonstrate both the completed and non-completed work to the customer. eam members demonstrate the completed work to the customer.
	ream members answer the question: "What could be improved?" [2 marks]
Obtained	QUESTION 10
score	In pair programming the two developers should be of approximately the same level of competence.
TrueFalse	
	[2 marks]

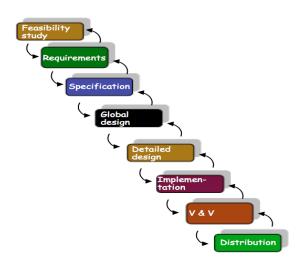
Obtained	QUESTION 11
score	Which of the following ordered lists of activities represents XP's view on incremental design?
incremen	find suitable abstractions, then create a design from those abstractions, and finally tally add to the previous design.
future ext	create the simplest design that could possibly work, then find suitable abstractions including tensions, and finally incrementally add to the previous design.
First of the second of the sec	create the simplest design that could possibly work, then incrementally add to it, while g it at every iteration.
	find suitable abstractions, then create a design including future extensions, and finally tally add to the previous design.
	[2 marks]
Obtained	QUESTION 12
score	What is a "bullpen" according to XP terminology?
An an issue	rtifact representing the room in which developers meet other developers to discuss technical
C An ar work	tifact representing the room, organized as an open space, in which all the team is supposed to
An ar	tifact helping to measure how many hours each developer worked in a software project.
○ An ar	tifact representing the room in which developers meet managers for face-to-face meetings. [2 marks]
Obtained	QUESTION 13
score	Which of the following items can be found in an agile project's "open workspace"?
_ `	board with user story cards movable from "not started" to "in progress" to "done" columns.
_	ing room with flipcharts and whiteboards.
	er room.
	[2 marks]

Obtained	QUESTION 14	
score	Which of the following tasks are typically assigned to an embedded customer in an XP project? Check all that apply.	
☐ Try s ☐ Help	developers to write tests. ystem early to provide feedback. write user stories to allow time estimation and priority assignment. nize a daily meeting. [2 marks]	
Obtained	QUESTION 15	
score	How would you characterize a user story as opposed to a use case? Check all that apply.	
	er story is typically more complex than a use case.	
_	er story is typically more complete and accurate than a use case.	
	er story is typically less complex than a use case.	
□ A use	er story typically does not handle exceptional cases, while a use case does.	
	[2 marks]	
Obtained	QUESTION 16	
score	Which of the following characteristics are typical of the backlog artifact according to Scrum methodology? Check all that apply.	
Owne	able and editable by anyone. ed by the Scrum master.	
Contains backlog items: descriptions of all potential features, prioritized by business value.		
Inclu	des estimates of development effort, set by the team. [2 marks]	

Obtained score

QUESTION 17

Consider the following picture:



Which of the following approaches proposes a project lifecycle model similar to the one shown in the picture?

- Scrum.
- Waterfall.
- O XP.
- C Lean.
- Crystal.

[2 marks]

Obtained score

QUESTION 18

You are the (non-technical) scrum master of an agile software development team. During the last retrospective meeting, the development team raised an issue they are having with the product owner, who is in their opinion too strict in rejecting their work results. What would you do?

- After the meeting I would privately talk to the product owner, find a solution, and propose the solution to the development team during the next daily meeting.
- During the meeting I would encourage the development team and the product owner to find their own solution to the problem, making myself available in case they need my help.
- Ouring the meeting I would side with the development team and support them.
- Ouring the meeting I would side with the product owner and support him or her.

[2 marks]

Obtained	QUESTION 19
score	Which of the following agile practices are "hype" in the course's analysis? Check all that apply.
□ Dism	issal of traditional manager tasks.
Plann	ing poker.
□ Open	space working arrangements.
	programming.
Embe	edded customer. [2 marks]
Obtained	QUESTION 20
score	Which of the following agile practices are "good" in the course's analysis? Check all that apply.
□ Test-	first development.
□ Const	tant test regression analysis.
□ Produ	act burndown chart.
□ Branc	
	[2 marks]
Obtained	QUESTION 21
score	Which of the following agile practices are identified as truly "brilliant" in the course? Check all that apply.
□ Test-	driven development.
_	iterations.
_	nuous integration.
□ No bi	ranching. [2 marks]
Obtained	QUESTION 22
score	Why does the course warn against using tests as a replacement for specifications?
	, 2000 the course warm against using tools as a repracement for specifications.
[©] Becau	use they are typically incomplete, lacking results for individual cases.
	use they are written by developers, while they should be written by customers.
U Becau	use they are too general, lacking results for individual cases.

[2 marks]

Daily meeting, planning meeting, sprint meeting, review meeting.

Obtained	QUESTION 26
score	What is the multiple design approach suggested by the Lean method about?
O Assig	ning the same problem to different teams, sequentially. ning the same problem to different teams, in parallel.
Assig	ning different problems to different teams, sequentially. ning different problems to different teams, in parallel.
11001	[2 marks]
Obtained	QUESTION 27
score	Which of the following are considered developers' responsibilities in XP and Scrum? Check all that apply.
□ Imple	ement only what is necessary.
	de precise user stories, enabling users to produce comprehensive task cards and accurate nates.
□ Estim	ate work for each story.
□ Identi	fy risky features and report them to the customer.
	[2 marks] QUESTION 28
Obtained score	
30010	The Lean approach has an emphasis on removing "waste". Which of the following items constitute waste according to Lean? Check all that apply.
□ Defea	ets not caught by tests and reviews.
_	g overtime.
_	omer waiting.
	n documents.
	[2 marks]
Obtained	QUESTION 29
score	Which of the following are considered customers' responsibilities in XP? Check all that apply.
□ Work	within the team, provide guidance and receive feedback as quickly and accurately as ible.
Provi	de precise stories, enabling developers to produce comprehensive task cards and accurate nates.

	BDIC	Semester One	Academic Year (2017 – 2018)
□ Analy	ze risk correctly, weighing stor	ries against each other.	
□ Assig	n tasks to the development tear	n.	
	•		[2 marks]
Obtained	QUESTION 30:		
score	What is the ideal number of r	nambana in a saftuyana taam aasana	lina ta Camum?
	what is the ideal number of i	nembers in a software team accord	ing to Scrum?
_			
° 5 +/-			
6 +/-			
0 7 +/-			
8 +/-	2.		
0 9 +/-	2.		
			[2 marks]

[Total 60 marks]