Student name:	
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EXAM Advanced Requirements Engineering (ARE) January 28th, 2011, 15.15-17.15

Instructions (please read carefully):

- This is a closed book exam it is not allowed to consult any material physical or electronic. Be sure to switch mobile phones off and store them in a closed bag.
- Use this exam to write the answers on questions. Use the available boxes after each question for your answer. Do not write outside the boxes
- Be sure to indicate name and student number on each sheet of paper.
- Concise yet complete answers are better than long-winded answers.
- You may answer in English on in Dutch.
- Grade for this exam is Round (Sumof Points / 10).
- Grade for the ARE course is 0.7* this exam + 0.3 * group assignments. On TIS, you will be reported the final grade for the ARE course.
- This exam has six pages.

Success!

Group assignment

Before starting with the exam, please indicate below whether you did your group assignments.

Yes/No	I did my assignments in the year 2011
Yes/No	I did my assignments in the year 2010

Question 1 Requirements Engineering (34 points)

a) Two distinct perspectives can be taken on modern Requirements Engineering. Mention these two perspectives and explain them briefly (11 points).

Perspective 1:	
*	
Perspective 2:	

b) The Engineering cycle makes a distinction between evaluation and validation. Discuss the difference between evaluation and validation (11 points).

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Evaluation is	• • •				
Survey of grant	en e	* 1			
Validation is	•••	· · ·	•		
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Question 2 Problem Frames (33 points)

a) Problem context diagrams can include various types of domains. What are the domains for the diagram below? Mention also their type. (11 points)

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Periods &		Nurses'	
ranges		station	
	Monitor	Factors	
- Nastical	<u> </u> machine	Database	
Medical staff		Analog devices	ICU
	ackson – Problem Frame		patients
× .			
			•
Argue in which si	ituation(s) the Factors da	atabase can be includ	ed in the Monitor
Machine, and in w	which situation(s) not. (11	points)	
			·
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To decompose decomposition is r	problems into smalle	r problems, argue	why functional
	иот и основ иноргоист, г.т.		
	not a good approach. (11		PROPERTY OF THE PROPERTY OF TH
	lot a good approach. (11	Political	
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	iot a good approach. (11	political	
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b)

c)

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Question a) M	3 Goal Mo	odeling (33 or goal mode and describe	points) eling approa them briefly	ches other.	er than i^{z}	* exis	t. Mentic	on two	of su	ıch
		oach comes briefly. (11	with two	models.	Which	two	models	are th	at, a	and
Model 1:	•••					۰				
Model 2:	••• •••									
							4,			

c) There are also drawbacks as it comes to using i^* . Mention at least three drawbacks, and explain them briefly. (11 points)

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