

# Exam Simulation Theory & Applications

## Januari 2019

Seven questions, only six graded: you had to choose one question that you didn't want to solve. Based on the model of the homeworks. Every question is graded on 7 (0: no solution; 7: perfect).

Question 1: explain the given concepts: are they used in the model: yes or no? Why are they used or not used?

- Entities
- Resources
- Queue set
- Station set
- Level and rate

Question 2: different open questions about the model

- Given: expression that was used in a hold module. Why is this used?
- Given: why is there no connection after the module 'Loading? *answer: it's a Hold module, you pick entities from there with the Pickup module further in the model*

Question 3: input analyzer

- Would you use a beta or an exponential distribution for waiting times in the model? Why?

Question 6: adapt the model (difficult question)

Question 7: comparison between PAN and OptQuest