

No material or calculators are allowed. The maximum points of each question is given in parentheses; the maximum of the whole examination is 18 points. The examination is assessed by prof. Hannu-Matti Järvinen.

Please start each question on the top of a page.

1) Define the following terms shortly. Maximum 4 sentences per term.

- a) TDD (test driven development) (1p)
- b) Model-based testing (1p)
- c) Acceptance testing (1p)
- d) Multi-conditional coverage (1p)
- e) Sowing errors (1p)
- f) Requirement coverage (1p)

2) Equivalence partitions and limit values (6p)

What is meant by an equivalence partition method and limit value analysis? How can these be utilised when planning function or subroutine testing?

3) Risk analysis (6p)

What is risk analysis used for in testing? How to make a simple tabular risk analysis? Present such a result (table) using an example? How is the outcome interpreted and is there any "trap" in it?