

Exam Questions

- 1. What are the three aspects of sustainability? Should this view have more aspects than just these three? Explain.**
 - This question measures the overall knowledge from sustainability. In addition, it challenges to think the sustainability also from another view and come up with new view to sustainability.
 - Grading: 2 points / explained aspect and in addition 4 points of the own thinking part.
- 2. Choose a country and describe the challenges it faces regarding to sustainability. How IT or computer science could help solving these challenges?**
 - Question measures how well student knows sustainability challenges of different countries. Also there is a link to IT so it challenges students to think concrete ways of improving sustainability.
 - Grading: 2 points / explained challenge (Why student chose these challenges e.g. in Finland ecological challenges are smaller problem than social challenges) 4 points from own thinking part.
- 3. What is the most efficient measurement of sustainability? Explain.**
 - There isn't just one right answer. The answers could have even own measures of sustainability which are combined from other measures.
 - Grading: 3 points / aspect and how it is noticed in the “ultimate sustainability indicator”. 1 point from overall solution (Student should explain how the measure notices social, ecological and economical aspects.
- 4. Explain the concept of Green IT. What is the most significant aspect of it when thinking about future? Give an example.**
 - The question is quite wide. The first part is referring to the green materials used in IT and the other part to the part where e.g. programming could make energy savings. The second part challenges students to think future and give an example of how things will be in the future and if the green manufacturing or green coding is the future.
 - Grading: 3 points / explained aspect, 4 points of own thinking part