

## **Artificial Intelligence 1**

### Quiz #2 (agents)

What is an agent?

Can an agent exist without some environment?

What is the difference between sensors and actuators?

What is the relation between an agent function and an agent program?

What is an agent architecture and does it relate to an agent program?

What is the difference between rational and omniscient behavior?

How do we distinguish between good and bad behaviors of an agent?

Give an example of a game that is partially observable and explain why.

Do the Mars rovers Spirit and Opportunity operate in a multi-agent environment and why?

What is the difference between simple reflex agents and model-based reflex agents?

What is the major difference between reflex agents and goal-based agents?

What is critic for the learning agent?

Describe three possible representations of environment (world states) and give some examples.