

## **AI Search Example Exam Questions**

- 1.**  
The questions in the slides and exercises in the textbook are suggestive of questions that could be asked in exams.
- 2.**  
Given a problem  $P$  and a search method  $S$  describe a Prolog representation for  $P$  that is suitable for  $S$ .
- 3.**  
Given any search method  $S$  give its definition and describe its advantages and disadvantages.
- 4.**  
Some search heuristics are based on the distance between the current state and the goal state. Describe what is meant by Euclidean distance and Manhattan distance.