

University of West London
School of Computing and Engineering
CP60034E - Artificial Intelligence

Seminar Week-2: Agents

1) Define in your own words the following terms:

- Performance measure
- goal-based agent

2) For each of the following activities, give a PEAS description of the task environment

- Automated taxi driver
- Playing a tennis match

3) Write a pseudo code program for a goal-based agent. The goal of the agent is to find the exit of a labyrinth.

- The agent is not omniscient
- The agent can sense if it is next to a wall (in front, left or right)
- The agent can turn 90 degrees to the right or left
- The agent can drive 1 unit forward

The maze is constructed of paths that are 1 unit across (wide)

Show a maze of your choosing and illustrate the path taken from start to exit according to your program (example shown here).

