1. [10 points] Describe the difference between robot control using a horizontal decomposition and a vertical decomposition.

2. [10 points]. Describe how activities can be sequenced in the Subsumption Architecture, without using explicit communication “wires” between the task-achieving layers.

3. [10 points]. Describe at least two principles of good design of a behavior-based control system.

4. [10 points] . Describe briefly how Toto the robot represented a map of its environment.