1. (3 pts) Identify the elements of a Markov Decision Problem (or Process). Be formal.

2. (2 pts) What counts as a solution to an MDP?

3. (2 pts) Why is it important for the MDP approach that the environment be fully observable?
4. (2 pts) Define the optimal solution to an MDP formally, assuming the use of discounted rewards with discount factor $\gamma$.

5. (a) (2 pts) Identify the two main algorithms for computing optimal policies for MDPs.

(b) (4 pts) Explain briefly how they differ.

6. (2 pts) State the assumptions underlying the MDP approach. How reasonable are they?