

Final Exam Sample Questions

1. The attack named MobilBye targets which type of sensor?

- A. Camera
- B. Lidar
- C. Radar

ANS: _____

A

2. In PID control, which term(s) can be used to eliminate steady-state error?

- A. P
- B. I
- C. D

ANS: _____

B

3. True or False: twiddle() for PID controller tuning can be viewed as a form of Reinforcement Learning.

- A. True
- B. False

ANS: _____

A

4. Why does AlphaGo not use Tabular RL, such as tabular Q Learning or Sarsa?

ANS: the state space is too large.

5. What is the probability of selecting the greedy action (assuming there is only one) in state s in epsilon-greedy action selection, if the total number of possible actions in state s is N ?

ANS: $1 - \epsilon + \frac{\epsilon}{N}$

6. What is an Episodic task?

- A. A task that has a limited number of actions and then ends.
- B. A task with memory

ANS: A