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Question 1  1/1 point (graded)	
Which of the following is a fundamental challed on the system of the states of the system.	
O Generalization from training to other po  Temporal credit assignment to determine	
<ul><li>determining the outcome.</li><li>Exploration of states or actions that are</li></ul>	not optimal.
<ul><li>◆ All of the above.</li><li>✓</li></ul>	
Submit You have used 1 of 2 attempts	Save Show Answer
✓ Correct (1/1 point)  Question 2	
1/1 point (graded) Why is it important for a reinforcement agent	to take both exploitation and exploratory
<ul> <li>Steps?</li> <li>O An agent which takes only exploratory stand optimal exploitation of the state spanning.</li> </ul>	teps gains information which guarantees
O An agent which only takes greedy steps information to optimize policy.	will converge quickly using generalized
rapidly to an optimal policy.	ther generalized information and converge
<ul> <li>An agent which takes some exploratory to optimal an policy while acquiring info</li> </ul>	steps along with greedy steps will converge rmation to improve the policy.
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✓ Correct (1/1 point)	
Question 3  1/1 point (graded)  Which two of the following cases are "extreme"	o" for the engilon grandy?
Which two of the following cases are "extremed when e = 0 only greedy steps are taken of the following cases are "extremed which two of the following cases are "extremed which the following cases are "extremed which the following cases are taken which the following which the following cases are taken which the following which the following cases are taken which the following cases are	
<ul><li>☑ When e = 1 no greedy steps are taken ar</li><li>☐ When e = 0 only greedy steps are taken ar</li></ul>	
☐ When e = 1 no greedy steps are taken are  ✓	nd regret is minimized.
Submit You have used 1 of 2 attempts	Save Show Answer
✓ Correct (1/1 point)  Question 4	
1/1 point (graded) Which three reasons are why generalization is	s important in reinforcement learning?
☑ An agent that generalizes will be able to states and action options not encounter	provide good solutions when faced with ed before.
<ul> <li>An agent that generalizes will be able to number of states is very large.</li> <li>An agent that generalizes will be able to</li> </ul>	
possibilities.	cquired knowledge of all possible states.
Submit You have used 1 of 2 attempts	Savo Show Angwer
✓ Correct (1/1 point)	Save Show Answer
Question 5 1/1 point (graded)	
Which two of the following are examples of	xploration AND exploitation?
☑ A movie recommender agent that occasion a new category.	ionally offers a recommendation to the use
☑ An advertising display agent which occase different class of goods to a use who has goods.	
☐ A chess playing agent which takes the m at each move of each game.	nove with the highest probability of winning
☐ A agent which explores for oil by always different area from the last drilling locat	choosing a drilling location in a distinctly ion.
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✓ Correct (1/1 point)	
Question 6  1/1 point (graded)	
<ul><li>Which two of the following are true about reg</li><li>✓ Regret is the expected value of the sum optimal value and value of each action.</li></ul>	over all actions of the difference between
	r an agent that both explores and exploits.
<ul> <li>□ Regret can be computed only from the a</li> <li>□ Regret is the expected value of the sum opportunity lost.</li> </ul>	
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Question 7  1/1 point (graded)	
Which of the following statements about the UO The UCB algorithm uniformly samples in	UCB algorithm is correct?  n order to reduce uncertainty and maximize
<ul> <li>reward.</li> <li>The UCB algorithm selects the action with order to reduce that uncertainty.</li> </ul>	
<ul> <li>The UCB algorithm selects actions with I</li> </ul>	,
<ul><li>expected reward to ensure rapid conver</li><li>The UCB algorithm selects actions with to</li></ul>	the lowest uncertainty to minimize regret.
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✓ Correct (1/1 point)	
Question 8  1/1 point (graded)	bow is it different from voinforsoment
What do we mean by contextual learning and earning (RL)?	
<ul> <li>state, whereas an RL agent takes actions</li> <li>A contextual bandit takes actions detern may be determined by state, whereas ar</li> </ul>	
<ul> <li>and receive rewards.</li> <li>A contextual bandit takes actions and restate, whereas an RL agent takes actions</li> </ul>	
<ul> <li>✓</li> <li>✓</li> <li>A contextual bandit is a type of RL agent</li> </ul>	
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