

Reference – Shown-as-Correct Answers

July 25, 2025

Q1

Answer presented as correct: D) Deep Q-Network (DQN)

Reason: Known for its efficient and robust approach to solving reinforcement learning problems.

Q2

Answer presented as correct: B) Observations lack some hidden variables

Reason: Observations might seem complete, yet vital details remain concealed.

Q3

Answer presented as correct: B) Use of neural networks

Reason: Q-learning commonly utilizes advanced machine learning techniques for enhanced decision-making capabilities.

Q4

Answer presented as correct: B) Action-value minus state-value

Reason: Commonly confused due to similar terms, but the calculation direction in Actor-Critic distinguishes it.

Q5

Answer presented as correct: D) Early stopping

Reason: Halts training when performance plateaus, preventing overfitting and conserving computational resources.

Q6

Answer presented as correct: A) Immediate rewards

Reason: Prioritizes immediate outcomes for decision-making efficiency.

Q7

Answer presented as correct: A) Balancing policy and value networks

Reason: Necessary for decision-making by weighting actions based on their historical performance.