

Artificial Intelligence - Practice Worksheet

Answer Key

Multiple-Choice Answers:

1. Mimic human intelligence
2. Web Development

One-Word / One-Liner Answers:

1. Simulation of human intelligence by machines.
2. Supervised, Unsupervised, Reinforcement.

Brief Question-Answers:

1. Artificial Intelligence is a field of computer science focused on creating systems that can perform tasks typically requiring human intelligence. These tasks include problem-solving, learning, understanding language, and visual perception. AI enables machines to mimic cognitive functions like decision-making and reasoning.
2. Machine Learning has three types: Supervised Learning uses labeled data to train models, Unsupervised Learning finds patterns in unlabeled data, and Reinforcement Learning relies on feedback and rewards to learn actions. Each type is suited to different kinds of problems and datasets.

Match the Column Answers:

1. AI -> Mimics human intelligence
2. ML -> Learns from data

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3. NLP -> Processes human language
4. Supervised Learning -> Uses labeled data
5. Unsupervised Learning -> Identifies hidden patterns
6. Reinforcement Learning -> Learns via feedback
7. Healthcare -> Diagnosis and treatment
8. Finance -> Fraud detection
9. Computer Vision -> Image processing
10. Smart Homes -> Automates daily tasks