

#1. What does AI stand for in the context of computer science?

- ☐ Artificial Intelligence (AI)
- ☐ Advanced Intelligence (AI)
- ☐ Automated Intelligence (AI)
- ☐ Algorithmic Intelligence (AI)
- ☐ Augmented Intelligence (AI)

#2. Which branch of AI focuses on creating systems that can learn and improve from experience?

- ☐ Machine Learning
- ☐ Expert Systems
- ☐ Natural Language Processing
- ☐ Neural Networks
- ☐ Robotics

#3. What type of AI system mimics human thought processes and can reason and make decisions?

- ☐ Strong AI
- ☐

Narrow AI

☐

Weak AI

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General AI

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Deep AI

#4. Which programming language is commonly used for AI development and research?

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Python

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Java

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C++

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Ruby

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JavaScript

#5. What is the purpose of a neural network in AI?

☐

To process information and learn patterns

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To execute complex algorithms

☐

To translate languages

☐

To store large datasets

☐

To simulate human emotions

#6. Which AI technique involves training a model to perform a task without using explicit programming instructions?

☐

Machine Learning

☐

Expert Systems

☐

Natural Language Processing

☐

Genetic Algorithms

☐

Neural Networks

#7. What is the Turing Test used for in AI?

☐

To determine if a machine's behavior is indistinguishable from a human's

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To assess processing speed

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To measure memory capacity

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To evaluate energy efficiency

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To test network connectivity

#8. Which AI application is used to enable machines to understand, interpret, and generate human-like text?

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Natural Language Processing

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Computer Vision

☐

Robotics

☐

Expert Systems

☐

Machine Learning

#9. What is the primary goal of reinforcement learning in AI?

☐

To make a sequence of decisions by interacting with an environment

☐

To recognize patterns in data

☐

To process natural language

☐

To simulate human reasoning

☐

To create virtual reality

#10. Which AI technique involves training algorithms to improve their performance iteratively using labeled data?

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Supervised Learning

☐

Unsupervised Learning

☐

Reinforcement Learning

☐

Deep Learning

☐

Semi-Supervised Learning

#11. What is the main challenge of AI known as “Common Sense Reasoning”?

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Teaching AI systems to understand everyday situations and contexts

☐

Enhancing computational speed

☐

Improving accuracy

☐

Enabling emotional intelligence

☐

Implementing security protocols

#12. Which AI approach focuses on creating algorithms that can perform tasks without being explicitly programmed?

☐

Machine Learning

☐

Expert Systems

☐

Genetic Algorithms

☐

Neural Networks

☐

Deep Learning

#13. What is the purpose of natural language processing (NLP) in AI?

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To enable machines to understand and generate human language

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To recognize patterns in images

☐

To process numerical data

☐

To simulate human emotions

☐

To execute complex algorithms

#14. Which AI technique is inspired by the structure and functioning of the human brain?

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Neural Networks

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Genetic Algorithms

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Expert Systems

☐

Machine Learning

☐

Reinforcement Learning

#15. What is the concept of AI that involves systems capable of understanding and responding to human emotions?

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Affective Computing

☐

Deep Learning

☐

Natural Language Processing

☐

Machine Learning

☐

Expert Systems

#16. What is the primary goal of computer vision in AI?

- ☐ To enable machines to interpret and understand visual information
- ☐ To recognize human emotions
- ☐ To generate human-like text
- ☐ To understand natural language
- ☐ To perform complex calculations

#17. Which AI technique is used to identify and analyze patterns in large datasets?

- ☐ Data Mining
- ☐ Natural Language Processing
- ☐ Expert Systems
- ☐ Neural Networks
- ☐ Genetic Algorithms

#18. What is the term for AI systems that can make decisions and take actions without human intervention?

- ☐ Autonomous AI
- ☐ Intelligent AI
- ☐ Independent AI
- ☐ Automated AI

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Self-Driving AI

#19. Which AI approach involves simulating human-like intelligence and decision-making processes in machines?

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Cognitive Computing

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Expert Systems

☐

Reinforcement Learning

☐

Neural Networks

☐

Machine Learning

#20. What is the technique of allowing AI systems to learn from their mistakes and improve their performance over time?

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Reinforcement Learning

☐

Supervised Learning

☐

Unsupervised Learning

☐

Deep Learning

☐

Genetic Algorithms

Next

Results



