#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
☐
General AI
☐
Deep AI

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

☐
Python
☐
Java
☐
C++
☐
Ruby
☐
JavaScript

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

☐
To process information and learn patterns
☐
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
☐
To assess processing speed
☐
To measure memory capacity
☐
To evaluate energy efficiency
☐
To test network connectivity

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

☐
Natural Language Processing
☐
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?

☐
Supervised Learning
☐
Unsupervised Learning
☐
Reinforcement Learning
☐
Deep Learning
☐
Semi-Supervised Learning

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

☐
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?

☐
To enable machines to understand and generate human language
☐
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?

☐
Neural Networks
☐
Genetic Algorithms
☐
Expert Systems
☐
Machine Learning
☐
Reinforcement Learning

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

☐
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

☐
Self-Driving AI

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

☐
Cognitive Computing
☐
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?

☐
Reinforcement Learning
☐
Supervised Learning
☐
Unsupervised Learning
☐
Deep Learning
☐
Genetic Algorithms

Next

Results