#1. Which AI application uses algorithms to enable machines to understand, interpret, and respond to human speech?
Speech Recognition
Computer Vision
Natural Language Processing
Machine Translation
Outlies I Chaus stan Bass militar (OCB)
Optical Character Recognition (OCR)
#2. What is the main goal of swarm intelligence algorithms in AI?
To optimize solutions by simulating the collective behavior of social insects
To execute complex algorithms
To process natural language
To simulate human emotions
——————————————————————————————————————
To create virtual reality
#3. Which AI technique involves algorithms that can learn and make predictions
from data using statistical methods?
Statistical Learning

Expert Systems
Natural Language Processing
Neural Networks
Machine Learning
#4. What does the term "Chatbot" refer to in the context of AI?
A computer program designed to simulate conversation with human users
A data storage system
A high-performance processor
A network protocol
A security algorithm
#5. What is the concept of AI that involves algorithms improving their performance
through interaction with the environment?
Reinforcement Learning
Expert Systems
Machine Learning
Genetic Algorithms
Neural Networks

#6. Which AI application uses algorithms to enable machines to understand and interpret the content of images or videos?
Computer Vision
Natural Language Processing
Machine Learning
Expert Systems
Speech Recognition
#7. What is the primary purpose of recommendation systems in AI?
To provide personalized suggestions or recommendations to users based on their preferences
and behavior
To process natural language
To recognize patterns in data
To simulate human emotions
To create virtual reality
#8. Which AI technique involves algorithms that can learn and improve their
performance from experience with data?
Machine Leaving
Machine Learning

Expert Systems
Genetic Algorithms
Neural Networks
Deep Learning
#9. What is the concept of AI that involves enabling machines to understand,
interpret, and respond to human emotions?
Affective Computing
Natural Language Processing
Expert Systems
Machine Learning
Reinforcement Learning
#10. What does the term "Machine Perception" refer to in the context of AI?
Machines' ability to interpret and make decisions based on sensory input $\hfill\square$
Machines' computational speed
Machines' memory capacity
Machines' energy efficiency
Machines' language proficiency

#11. Which AI application involves using algorithms to predict future outcomes or trends based on historical data?
Predictive Analytics
Expert Systems
Machine Translation
Speech Recognition
Affective Computing
#12. What is the purpose of a decision tree in machine learning?
To represent decisions and their possible consequences in a tree-like structure
To process natural language
To recognize patterns in data
To simulate human emotions
To create virtual reality
#13. Which AI technique involves algorithms that can learn and optimize a
function by interacting with an environment?
Reinforcement Learning
Expert Systems

Genetic Algorithms
Neural Networks
Deep Learning
#14. What is the concept of AI that allows machines to analyze and interpret visual
information from the world?
Computer Vision
Affective Computing
Machine Perception
Natural Language Processing
Expert Systems
#15. Which AI technique involves training a model with labeled data to classify
new data points into predefined categories?
Supervised Learning
Unsupervised Learning
Reinforcement Learning
Deep Learning
Genetic Algorithms

#16. What is the purpose of a recommendation system in e-commerce applications?
\Box To suggest products to users based on their preferences and buying history \Box
To process natural language
To recognize patterns in data □
To simulate human emotions □
To create virtual reality
#17. What is the goal of swarm robotics, an Al-related field?
To study the behavior of large groups of relatively simple robots, called swarm robots $\hfill\Box$
To study the behavior of individual robots $\hfill\Box$
To design complex robots □
To optimize energy efficiency □
To create virtual reality
#18. Which Al application involves machines translating spoken language from one language to another in real-time?
□ Speech Translation □
Natural Language Processing

Machine Perception
Computer Vision
Affective Computing
#19. What is the concept of AI that involves enabling machines to simulate and understand human emotions and responses?
Affective Computing
Machine Perception
Machine Learning
Computer Vision
Expert Systems
#20. What is the concept of AI that involves algorithms enabling machines to
understand and interpret human gestures?
Gesture Recognition
Speech Recognition
Facial Recognition
Computer Vision
Natural Language Processing

Next

Results

