Artificial Intelligence Basics

Artificial Intelligence · Answer Key · 25 Questions

1. What does the acronym 'AI' stand for?

A) Artificial Intelligence
B) Automated Information
C) Advanced Internet
D) Automatic Invention

2. Which term describes computer programs that can learn and improve from experience?

A) Machine Learning
B) Manual Programming
C) Hardware Updates
D) Data Deletion

3. What is a 'chatbot' primarily designed to do?

A) Simulate human conversation
B) Repair hardware
C) Calculate taxes
D) Print documents

4. Which field of AI focuses on enabling computers to understand and process human language?

A) Natural Language Processing
B) Visual Artistry
C) Geological Mapping
D) Physical Engineering

5. What is the primary resource AI systems use to 'learn' patterns?

A) Data
B) Electricity
C) Sunlight
D) Plastic

6. Which of these is a common application of AI in smartphones?

A) Voice assistants
B) Battery cooling
C) Screen cleaning
D) Signal shielding

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7. What is the function of computer vision in AI?

A) Interpreting visual information from images or video
B) Calculating square roots
C) Controlling room temperature
D) Sending emails

8. Which of these technologies allows cars to drive without human intervention?

A) Autonomous driving systems
B) Manual steering wheels
C) Radio transmissions
D) Mechanical gears

9. In AI, what is a 'neural network' inspired by?

A) The human brain
B) The digestive system
C) Musical scales
D) Weather patterns

10. What type of software can recognize a person's identity based on their physical features?

A) Facial recognition
B) Barcode scanning
C) Password hashing
D) Word processing

11. Which term refers to AI that can create new content like images or text?

A) Generative AI
B) Static AI
C) Physical AI
D) Analog AI

12. What is the goal of a recommendation algorithm used by streaming platforms?

A) To suggest content based on user preference
B) To delete old files
C) To increase screen brightness
D) To stop video playback

13. What is a 'Large Language Model' primarily trained to process?

A) Text
B) Sound waves only
C) Metal parts
D) Chemical compounds

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14. What task is AI frequently used for in the medical field?

A) Analyzing medical images like X-rays
B) Cleaning hospital floors
C) Cooking patient meals
D) Repairing hospital beds

15. What do we call the act of training an AI model on a specific set of information?

A) Machine training
B) Hardware molding
C) Software welding
D) Physical building

16. Which of these is a famous game that AI has successfully mastered against human champions?

A) Chess
B) Hopscotch
C) Hide and Seek
D) Tug of War

17. What is the main role of AI in email spam filters?

A) Identifying and moving unwanted messages
B) Sending messages faster
C) Adding colorful images
D) Encrypting passwords

18. What does AI use to detect patterns in vast amounts of information?

A) Algorithms
B) Calculators
C) Abacuses
D) Handwriting

19. Which feature allows AI to assist users in typing by predicting the next word?

A) Predictive text
B) Battery saver
C) Background noise
D) Speaker volume

20. What is 'automation' in the context of AI?

A) Performing tasks with minimal human assistance
B) Cleaning rooms by hand
C) Manual data entry
D) Paper filing

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21. What is the primary benefit of using AI for repetitive tasks?

A) Increased speed and consistency
B) Adding human error
C) Reducing electricity usage
D) Replacing all employees

22. What kind of 'intelligence' is AI attempting to simulate?

A) Human-like cognitive functions
B) Animal instincts
C) Plant growth
D) Geological erosion

23. Which invention allows machines to interact with the physical world, often aided by AI?

A) Robotics
B) Paper clips
C) Flashlights
D) Staplers

24. What term refers to the bias that can occur if an AI is trained on unrepresentative data?

A) Algorithmic bias
B) System efficiency
C) Software update
D) Network connectivity

25. What is the main purpose of search engines using AI?

A) Delivering more relevant search results
B) Buying stocks
C) Printing documents
D) Taking photographs

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