

Introduction to Artificial Intelligence

Artificial Intelligence · Practice Test · 18 Questions

1. What does the abbreviation AI stand for?

- A) Artificial Intelligence
- B) Automated Internet
- C) Advanced Information
- D) Applied Informatics

2. What is the primary goal of Artificial Intelligence?

- A) To replace all human workers
- B) To create machines that can perform tasks requiring human intelligence
- C) To build faster video game consoles
- D) To delete all digital data

3. Which field of AI involves machines learning from data to improve their performance?

- A) Machine Learning
- B) Manual Programming
- C) Hardware Engineering
- D) Graphic Design

4. What is a 'chatbot'?

- A) A type of robotic insect
- B) A computer program designed to simulate conversation with human users
- C) A physical robot that cleans floors
- D) A special type of computer monitor

5. In the context of AI, what is 'data'?

- A) A type of computer virus
- B) Information used by a system to learn or make decisions
- C) A physical storage device
- D) A computer game character

6. Which of the following is a common application of AI in everyday smartphones?

- A) Voice assistants like Siri or Google Assistant
- B) Physical battery charging
- C) Screen brightness control
- D) Keyboard tactile feedback

7. What is a 'neural network' in AI inspired by?

- A) The human brain
- B) Electrical power grids
- C) Ocean currents
- D) Weather patterns

8. What does it mean for an AI to be 'trained'?

- A) It is taken to a gym
- B) It is taught using large sets of examples to recognize patterns
- C) It is physically built by hand
- D) It is painted in bright colors

9. Which of these is a famous AI challenge involving a board game?

- A) Tic-Tac-Toe
- B) Chess
- C) Hide and Seek
- D) Tag

10. What is 'Natural Language Processing' (NLP)?

- A) A branch of AI that helps computers understand human language
- B) A method for physical robot movement
- C) A way to speed up internet connections
- D) A technique for graphic design

11. Who is often considered the 'father of computer science' and proposed tests for machine intelligence?

- A) Alan Turing
- B) Thomas Edison
- C) Nikola Tesla
- D) Steve Jobs

12. What is an algorithm in the context of AI?

- A) A set of step-by-step instructions for a computer to follow
- B) A type of computer hardware
- C) A computer keyboard
- D) A specific brand of software

13. Can AI systems sometimes make mistakes?

- A) Yes, they can produce incorrect results based on flawed data
- B) No, AI is always 100% perfect
- C) Only when they are turned off
- D) Only if they are broken physically

14. What is 'Computer Vision'?

- A) The ability of a computer to 'see' and interpret images or video
- B) A type of prescription eyewear
- C) The process of cleaning a computer monitor
- D) A method for typing faster

15. What does the term 'Automation' refer to in AI?

- A) Performing tasks with minimal human intervention
- B) Building robots for movies
- C) Writing computer code by hand
- D) Deleting old files

16. What is the role of an AI model's 'training data'?

- A) To provide the examples the system learns from
- B) To provide power to the computer
- C) To create a 3D model of the robot
- D) To store the computer's operating system

17. Which company is known for developing large language models like GPT?

- A) OpenAI
- B) NASA
- C) Coca-Cola
- D) McDonalds

18. Is AI used to help detect patterns in medical images like X-rays?

- A) Yes, it assists doctors in analyzing images
- B) No, computers cannot analyze images
- C) Only in science fiction movies
- D) Only for billing purposes