

Introduction to Artificial Intelligence

Artificial Intelligence · Answer Key · 10 Questions

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

- A) Automated Internet
- B) Artificial Intelligence**
- C) Advanced Input
- D) Automatic Integration

2. Which term describes an AI system's ability to improve its performance through experience and data?

- A) Machine Learning**
- B) Manual Programming
- C) Hardware Upgrade
- D) Binary Conversion

3. What is the primary purpose of a chatbot?

- A) To physically repair computers
- B) To simulate human-like conversation**
- C) To store physical documents
- D) To manufacture electronic chips

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

- A) Natural Language Processing**
- B) Robotic Engineering
- C) Graphic Design
- D) Data Encryption

5. What is the name of the test designed to determine if a machine can exhibit human-like intelligence?

- A) The Turing Test**
- B) The Binary Test
- C) The Algorithm Trial
- D) The Processor Exam

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

- A) Voice assistants**
- B) Analog clocks
- C) Manual focus lenses
- D) Paper printing

7. What is 'Big Data' in the context of AI?

- A) The physical size of a computer
- B) Extremely large datasets used to train AI models**
- C) A type of computer screen
- D) The speed of an internet connection

8. Which of these tasks is an example of Computer Vision?

- A) Streaming music files
- B) Identifying objects in digital photos**
- C) Typing a document
- D) Calculating complex math equations

9. What is an algorithm in computer science?

- A) A set of step-by-step instructions to solve a problem**
- B) A type of physical robot
- C) A computer power supply
- D) A cooling fan for a CPU

10. In AI, what is a 'neural network' modelled after?

- A) The structure of a digital camera
- B) The human brain**
- C) The electrical grid
- D) A library filing system