

Exploring Artificial Intelligence

Artificial Intelligence · Answer Key · 8 Questions

1. Which of these is a common type of machine learning where algorithms learn from labeled data to make predictions?

- A) Unsupervised Learning
- B) Reinforcement Learning
- C) Supervised Learning**
- D) Deep Learning

2. What is the term for AI that can perform a wide range of tasks at a human level of intelligence, unlike current AI which is specialized?

- A) Narrow AI
- B) Artificial General Intelligence (AGI)**
- C) Artificial Superintelligence (ASI)
- D) Machine Learning

3. Which programming language is most commonly used for developing AI and machine learning applications due to its extensive libraries?

- A) Java
- B) C++
- C) Python**
- D) Ruby

4. What is a neural network in AI?

- A) A type of computer hardware
- B) A complex algorithm inspired by the structure of the human brain**
- C) A database for storing AI knowledge
- D) A programming language for AI

5. What is 'Natural Language Processing' (NLP) primarily concerned with?

- A) Teaching robots to walk
- B) Enabling computers to understand and process human language**
- C) Creating realistic computer graphics
- D) Optimizing network performance

6. Which of these is an example of AI being used in everyday life?

- A) A basic calculator
- B) A spreadsheet program
- C) Virtual assistants like Siri or Alexa**
- D) A standard web browser

7. In machine learning, what is the process of training a model with data called?

- A) Deployment
- B) Inference
- C) Testing
- D) Training**

8. What is the primary goal of 'computer vision' in AI?

- A) To enable computers to hear and interpret sounds
- B) To allow computers to learn from text data
- C) To enable computers to 'see' and interpret images and videos**
- D) To develop AI that can play complex games