

# AI Pioneers and Innovations

Artificial Intelligence · Answer Key · 10 Questions

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**1. What is widely considered the first AI program, developed by Arthur Samuel in the 1950s?**

- A) A program to play checkers**
- B) A program to translate languages
- C) A program to solve mathematical equations
- D) A program to recognize images

**2. Which famous Dartmouth Workshop in 1956 is often cited as the 'birthplace' of Artificial Intelligence as a field?**

- A) The Dartmouth Summer Research Project on Artificial Intelligence**
- B) The International Conference on Machine Learning
- C) The Turing Test Symposium
- D) The IEEE Workshop on Neural Networks

**3. Who coined the term 'Artificial Intelligence'?**

- A) John McCarthy**
- B) Alan Turing
- C) Marvin Minsky
- D) Herbert Simon

**4. What foundational concept, proposed by Alan Turing in 1950, is still used to assess a machine's ability to exhibit intelligent behavior equivalent to, or indistinguishable from, that of a human?**

- A) The Turing Test**
- B) The Chinese Room Argument
- C) The Perceptron
- D) The Eliza Effect

**5. Which early AI program, created by Joseph Weizenbaum in the 1960s, simulated a Rogerian psychotherapist?**

- A) ELIZA**
- B) SHRDLU
- C) MYCIN
- D) Dendral

**6. The Perceptron, one of the earliest artificial neural networks, was invented by which scientist in 1958?**

- A) Frank Rosenblatt**
- B) Geoffrey Hinton
- C) Yann LeCun
- D) Yoshua Bengio

**7. What was the name of the first widely successful expert system, developed in the 1970s for medical diagnosis?**

- A) MYCIN**
- B) PROLOG
- C) LISP
- D) COBOL

**8. Which programming language, created by John McCarthy in the late 1950s, became a dominant language for AI research for decades?**

- A) LISP**
- B) FORTRAN
- C) BASIC
- D) COBOL

**9. What significant achievement did Deep Blue, an IBM supercomputer, accomplish in 1997?**

- A) Defeated Garry Kasparov, the reigning world chess champion**
- B) Solved the Traveling Salesperson Problem
- C) Achieved human-level performance in image recognition
- D) Won the Jeopardy! game show

**10. The concept of 'machine learning' as a subset of AI began to gain significant traction with early algorithms like which one, developed by Arthur Samuel?**

- A) Learning checkers program**
- B) Gradient Descent
- C) Support Vector Machines
- D) Decision Trees