

Historical Milestones in AI and ML

History Of Artificial Intelligence · Practice Test · 20 Questions

1. What was the first program to successfully beat a human professional player in a game of Go, achieving this feat in 2016?

- A) AlphaGo
- B) DeepBlue
- C) Chinook
- D) Watson

2. Which 1950 paper by Alan Turing introduced the 'Imitation Game' as a test for machine intelligence?

- A) Computing Machinery and Intelligence
- B) The Logic of AI
- C) The Turing Hypothesis
- D) Machines That Think

3. What is the name of the first autonomous vehicle to successfully complete the DARPA Grand Challenge in 2005?

- A) Stanley
- B) Ghost rider
- C) TerraMax
- D) Sandstorm

4. In 1956, which academic event is widely recognized as the birth of AI as an official field of study?

- A) Dartmouth Workshop
- B) Stanford AI Conference
- C) MIT Symposium
- D) Princeton AI Seminar

5. Frank Rosenblatt developed which foundational neural network architecture in 1958, capable of pattern recognition?

- A) Perceptron
- B) Backpropagation
- C) Convolutional Network
- D) Recurrent Network

6. What was the first chatbot, created by Joseph Weizenbaum between 1964 and 1966, designed to simulate a psychotherapist?

- A) ELIZA
- B) PARRY
- C) ALICE
- D) SHRDLU

7. Which AI system developed by IBM became the first to defeat a reigning world chess champion in a match under tournament regulations in 1997?

- A) Deep Blue
- B) Deep Thought
- C) Fritz
- D) Stockfish

8. What is the name of the first expert system, developed in 1965 to identify unknown organic molecules based on mass spectrometry data?

- A) DENDRAL
- B) MYCIN
- C) XCON
- D) MACSYMA

9. Which machine learning algorithm was famously used by the 'DeepMind' team to achieve human-level performance on Atari 2600 games in 2013?

- A) Deep Q-Network
- B) Support Vector Machine
- C) Random Forest
- D) K-Means Clustering

10. Who coined the term 'Artificial Intelligence' in his 1955 proposal for the Dartmouth Summer Research Project?

- A) John McCarthy
- B) Marvin Minsky
- C) Herbert Simon
- D) Allen Newell

11. What was the first AI program to demonstrate a 'learning' capability by playing checkers, written by Arthur Samuel in 1952?

- A) Samuel Checkers-playing Program
- B) CheckersBot
- C) AlphaCheckers
- D) The Checkers Engine

12. Which neural network architecture, introduced by Yann LeCun in 1989, became the first practical application of backpropagation for handwritten digit recognition?

- A) LeNet
- B) AlexNet
- C) ResNet
- D) VGG

13. What was the first natural language processing system created by Terry Winograd in 1970 that could manipulate virtual objects in a 'blocks world'?

- A) SHRDLU
- B) DOCTOR
- C) LUNAR
- D) BABEL

14. In 2012, which deep convolutional neural network won the ImageNet Large Scale Visual Recognition Challenge by a massive margin, sparking the deep learning boom?

- A) AlexNet
- B) Inception
- C) GoogLeNet
- D) ZFNet

15. Which 1974 breakthrough by Paul Werbos was the first to propose the use of backpropagation for training artificial neural networks?

- A) The Werbos Thesis
- B) The Delta Rule
- C) The Feed-Forward Discovery
- D) Gradient Descent Paper

16. What was the first robot, developed by Waseda University in 1972, to demonstrate a human-like humanoid interface?

- A) WABOT-1
- B) ASIMO
- C) CB2
- D) QRIO

17. The 'Perceptron' was proven to have severe limitations in performing XOR operations in which 1969 book by Minsky and Papert?

- A) Perceptrons
- B) The Society of Mind
- C) AI: A Modern Approach
- D) Machines and Intelligence

18. What is the name of the first AI to win the game 'Jeopardy!' against human champions in 2011?

- A) Watson
- B) DeepQA
- C) BlueBot
- D) Brainy

19. Which algorithm, formalized in 1986 by Rumelhart, Hinton, and Williams, became the standard for training multi-layer perceptrons?

- A) Backpropagation
- B) Evolutionary Algorithms
- C) Genetic Programming
- D) Reinforcement Learning

20. What was the first computer program to prove a mathematical theorem, developed by Allen Newell and Herbert Simon in 1956?

- A) Logic Theorist
- B) Theorem Prover I
- C) Principia Prover
- D) MathMachine