

Research and Artificial Intelligence (AI)

Part A: Multiple Choice

Choose the best answer.

What is Artificial Intelligence (AI)?

- A. A type of animal
- B. A technology that can perform tasks that normally require human intelligence
- C. A video game
- D. A computer virus

According to the video, AI learns primarily by:

- A. Reading one book
- B. Guessing randomly
- C. Looking at large amounts of data and finding patterns
- D. Watching television

What kind of information might an AI use to learn about cats?

- A. Thousands of pictures and examples of cats
- B. One drawing of a cat
- C. Only information about dogs
- D. No information at all

Why is finding patterns important for AI?

- A. It helps AI make predictions.
- B. It makes computers heavier.
- C. It slows down learning.
- D. It removes all mistakes.

Which statement about AI predictions is TRUE?

- A. AI is always correct.
- B. AI can make mistakes.
- C. AI never needs data.
- D. AI understands everything perfectly.

Part B: True or False

Write **T** for True or **F** for False.

- _____ AI learns by examining many examples.
- _____ AI can never make mistakes.
- _____ Data helps AI recognize patterns.
- _____ AI predictions should sometimes be checked by humans.
- _____ AI can be used for many different tasks.

Part C: Critical Thinking

Imagine you are training an AI to recognise birds. What kinds of data would you collect?
(Write your answers on the back of this sheet)