



Cambridge International AS & A Level

CANDIDATE NAME



CENTRE NUMBER

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CANDIDATE NUMBER

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INFORMATION TECHNOLOGY

9626/12

Paper 1 Theory

October/November 2024

1 hour 45 minutes

You must answer on the question paper.

No additional materials are needed.

INSTRUCTIONS

- Answer **all** questions.
- Use a black or dark blue pen.
- Write your name, centre number and candidate number in the boxes at the top of the page.
- Write your answer to each question in the space provided.
- Do **not** use an erasable pen or correction fluid.
- Do **not** write on any bar codes.
- You may use an HB pencil for any diagrams, graphs or rough working.
- Calculators must **not** be used in this paper.

INFORMATION

- The total mark for this paper is 70.
- The number of marks for each question or part question is shown in brackets [].

This document has **12** pages. Any blank pages are indicated.





2 The quality of information can affect the usefulness of decisions made by businesses.

Describe how the following factors can affect the quality of information and the quality of the decisions made.

(a) age of information

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..... [2]

(b) relevance of information

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..... [3]

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4 Draw a program flowchart to represent this algorithm:

- Input an integer value.
- Repeat this until you have entered 20 values.
- At the end, output the largest value and the average of the values.

[7]



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10 Scientists are using an expert system to help them identify species of animals.

Describe **four** benefits to the scientists of using an expert system for this purpose.

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[4]

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