



Cambridge International AS & A Level

CANDIDATE
NAME

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CENTRE
NUMBER

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CANDIDATE
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INFORMATION TECHNOLOGY

9626/32

Paper 3 Advanced Theory

May/June 2021

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 90.
- The number of marks for each question or part question is shown in brackets [].

This document has **16** pages. Any blank pages are indicated.

7 Computer-assisted translation (CAT) can be used by companies whose products and services are available worldwide.

(a) Describe how CAT could be used by a software company creating computer games that are available in many different countries.

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(b) Describe the benefits to the company of using CAT.

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(c) Describe **one** drawback of the company relying on CAT for translations in computer games.

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..... [1]

8 Biometric payment systems can be used to pay for school meals. Students do not need to carry or use a payment card to buy goods but can use their fingerprints at the Point-of-Sale terminal.

(a) Describe **three** components of a biometric payment system that might be used.

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(b) Describe how the biometric payment system is used by students to pay for meals.

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9 A new store is being opened and a spreadsheet is being created to manage its finances and to calculate the projected profits.

(a) There are several ways of prototyping software during development.

Suggest reasons why incremental prototyping would be the most appropriate method to use.

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Test data has been created to fully test the spreadsheet.

(b) Explain why test data is being used.

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14 (a) Describe bit streaming.

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(b) Describe the differences between real-time bit streaming and on demand bit streaming.

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..... [2]

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