



# Cambridge International AS & A Level

CANDIDATE  
NAME

CENTRE  
NUMBER

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CANDIDATE  
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## INFORMATION TECHNOLOGY

9626/32

Paper 3 Advanced Theory

May/June 2022

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.

1 Mobile electronic wallets can be used to make small payments.

(a) Describe what is meant by a mobile electronic wallet.

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..... [2]

(b) A mobile electronic wallet has to be set up on a device before making the first payment using it.

Describe how a mobile electronic wallet is set up on a mobile (cell) phone.

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2 Digital images can be compressed.

(a) Explain why it is sometimes necessary to compress digital images.

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(b) Explain how lossy compression can affect computer images.

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3 A technician is carrying out corrective maintenance on a computer system.

(a) Explain what is meant by corrective maintenance.

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(b) Describe the steps that the technician should take when carrying out the maintenance.

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4 The `confirm()` method is used in JavaScript to create and provide dialog boxes for users to interact with web pages.

(a) Describe the purpose of **two** elements of the dialog box that appears when `confirm()` is used.

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(b) Explain why the use of `confirm()` may cause problems on web pages.

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(c) Explain how the result of the user interaction from `confirm()` is reported back to the JavaScript code for use in the remaining code.

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10 The data mining process consists of several phases.

Describe the tasks that occur in each of the phases shown below.

(a) Data understanding

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(b) Deployment

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