



# Cambridge International AS & A Level

CANDIDATE  
NAME

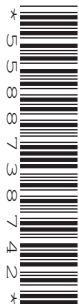
--

CENTRE  
NUMBER

--	--	--	--	--

CANDIDATE  
NUMBER

--	--	--	--



## 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.

.....  
.....  
.....  
.....  
..... [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.

.....  
.....  
.....  
.....  
.....  
.....  
.....  
.....  
.....  
.....  
.....  
.....  
.....  
.....  
.....  
.....  
.....  
.....  
..... [4]

2 Digital images can be compressed.

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

.....  
.....  
.....  
.....  
..... [2]

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

.....  
.....  
.....  
.....  
.....  
.....  
.....  
.....  
.....  
.....  
.....  
.....  
.....  
.....  
.....  
.....  
.....  
.....  
.....  
..... [6]

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

(a) Explain what is meant by corrective maintenance.

.....  
.....  
.....  
.....  
..... [2]

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

.....  
.....  
.....  
.....  
.....  
.....  
.....  
.....  
..... [3]

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.

.....  
.....  
.....  
.....  
..... [2]

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

.....  
.....  
.....  
.....  
.....  
.....  
.....  
..... [3]

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

.....  
.....  
.....  
.....  
..... [3]

5 Frame Relay is used in networks.

(a) Explain why Frame Relay is used.

.....  
.....  
.....  
.....  
.....  
.....  
.....  
.....  
.....  
.....  
.....  
.....  
.....  
.....  
.....  
.....  
.....  
.....  
.....  
.....  
.....  
..... [6]

(b) Explain the drawbacks of using Frame Relay.

.....  
.....  
.....  
.....  
.....  
.....  
.....  
.....  
.....  
.....  
..... [3]













**BLANK PAGE**

---

Permission to reproduce items where third-party owned material protected by copyright is included has been sought and cleared where possible. Every reasonable effort has been made by the publisher (UCLES) to trace copyright holders, but if any items requiring clearance have unwittingly been included, the publisher will be pleased to make amends at the earliest possible opportunity.

To avoid the issue of disclosure of answer-related information to candidates, all copyright acknowledgements are reproduced online in the Cambridge Assessment International Education Copyright Acknowledgements Booklet. This is produced for each series of examinations and is freely available to download at [www.cambridgeinternational.org](http://www.cambridgeinternational.org) after the live examination series.

Cambridge Assessment International Education is part of Cambridge Assessment. Cambridge Assessment is the brand name of the University of Cambridge Local Examinations Syndicate (UCLES), which is a department of the University of Cambridge.