



Cambridge International AS & A Level

CANDIDATE
NAME

CENTRE
NUMBER

--	--	--	--	--

CANDIDATE
NUMBER

--	--	--	--



INFORMATION TECHNOLOGY

9626/32

Paper 3 Advanced Theory

May/June 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.

5 Data flow diagrams (DFD) are drawn when designing a new computer system.

(a) Explain the purpose of a DFD.

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

(b) When a new computer system is being designed, the designers draw a level 0 (context-level) DFD before drawing a level 1 DFD.

Describe **two** differences between a level 0 DFD and a level 1 DFD.

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

6 Project management software (PMS) is used to support a project.

(a) Describe how PMS can be used to manage the costings of a project.

.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....

[4]

(b) Explain how PMS can help in decision making during a project.

.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....

[4]

7 Explain how technology-enhanced learning can have an impact on the autonomy of learners.

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

..... [6]

- (b) The company also has an FTP server. Its web designers use FTP to upload and download files between the FTP server and their workstations.

Evaluate the use of FTP in this scenario.

.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....

[6]

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 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.