

Cambridge International AS & A Level

CANDIDATE NAME					
CENTRE NUMBER			CANDIDATE NUMBER		

905571783

INFORMATION TECHNOLOGY

9626/32

Paper 3 Advanced Theory

February/March 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.

Near Field Communication (NFC) is a communication method.
Describe how NFC can be used by mobile devices.
[6

2 Exp	ain why break statements, functions and comments are used in JavaScript code.							
(a)	Break statements							
(b)	Functions							
		. [2						
(c)	Comments							

Describe the Agile method used to develop software.
91

4	Justify the use of lossy compression when storing and using bitmap images.
	TF.

Obj	ects in computer animations have properties.
Des	scribe the following properties.
(a)	Orientation
	[3
(b)	Transparency

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Draw three purpose.	different	symbols	used	in a	a data	flow	diagram	(DFD).	For	each	symbol,	state it
Symbol 1												
Purpose 1												
Symbol 2												
Purpose 2												
Cymbol 2												
Symbol 3												
Purpose 3												
												[6

Many companies have access control strategies to protect their data.	
Explain how the use of an access control strategy can minimise the risks to computer data.	
	L - 1

e benefits an	 	 - 10 0 31 1 0 1 10	 	
 	 •••••	 	 	
 	 •••••	 	 	

Botnets are software applications that are connected together over the internet.
Describe how botnets attack computer systems.
[6]

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10	Alpha testing is carried out in the final stages of software development.
	Describe the process of alpha testing.
	[6]

Discuss the	benefits and draw	Dacks of usir	ig virtual se	ivers for nos	sung websites	

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