

CS Unit 1

Computer Science

Total marks: ____ / 28

Time allowed: 42 minutes

Student forename: _____

Student surname: _____

Student class: _____


Instructions:

1. **Do not turn over the page until told to do so.**
 2. **Do not write inside the QR codes near the number of marks.**
 3. **Answer all questions.**
 4. **Write your answers in the space provided.**
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Section 1


1) a)	Explain the FDE cycle	[4] 
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1) b)	Are instructions decoded during the fetch part of the FDE cycle? Explain your answer. Do not leave a simple yes/no.	[2] 
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Section 2

2) a)	What does LAN stand for?	[1] 
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Section 3


3) a)	Discuss the ethical concerns of using AI in the creative industries.	<div>[9]</div> 
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This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

3) b)	Which of the following are true about using AI?	<div style="text-align: right;">[4]</div> 
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- ☐ 'It results in higher costs compared to humans.'
- ☐ 'It results in lower costs compared to humans.'
- ☐ 'Incorrectly configured AI can cause errors.'
- ☐ 'AI can be used to replace humans.'

Section 4

Challenge 1	Write the Python code to record an input of someone's name as an integer.	[3] 
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Challenge 2	Write the Python code for a for loop which prints the numbers 1-100 (inclusive).	[5] 
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