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.**

THIS PAGE IS INTENTIONALLY LEFT BLANK

Section 1

1) a)	Explain the FDE cycle	**[4]**

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

Section 2

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

Section 3

		[9]
3) a)	Discuss the ethical concerns of using AI in the creative industries.	

....

....

....

....

....

....

....

....

....

....

....

		[4]
3) b)	Which of the following are true about using AI?	

☐ '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

		[3]
Challenge 1	Write the Python code to record an input of someone's name as an integer.	

		[5]
Challenge 2	Write the Python code for a for loop which prints the numbers 1-100 (inclusive).	