



**Information technology in a global society**  
**Higher level**  
**Paper 3**

Friday 4 May 2018 (morning)

Candidate session number

1 hour 15 minutes

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**Instructions to candidates**

- Write your session number in the boxes above.
- Do not open this examination paper until instructed to do so.
- Read the case study carefully.
- Answer all questions.
- Answers must be written within the answer boxes provided.
- The maximum mark for this examination paper is **[30 marks]**.

8 pages

2218–5515

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08EP01



Answer **all** questions. Answers must be written within the answer boxes provided.

Refer to the *A Doll Called Alicia* case study **and** to your own related research in responding to the following questions.

1. (a) Alicia will have sensors that use voice recognition.

Identify **two** additional sensors that may be added to provide for a more sophisticated product.

[2]

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- (b) When Alicia is initially activated after purchase, it will ask a number of questions to configure the most appropriate profile for the child.

Identify **two** questions that could be asked.

[2]

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08EP02

2. (a) Alicia records data about the child's behaviour.

Explain **one** way that this data could be made compatible for use with other systems. [2]

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- (b) Explain the sequence of steps that take place when Alicia responds to what the child is saying.

[4]

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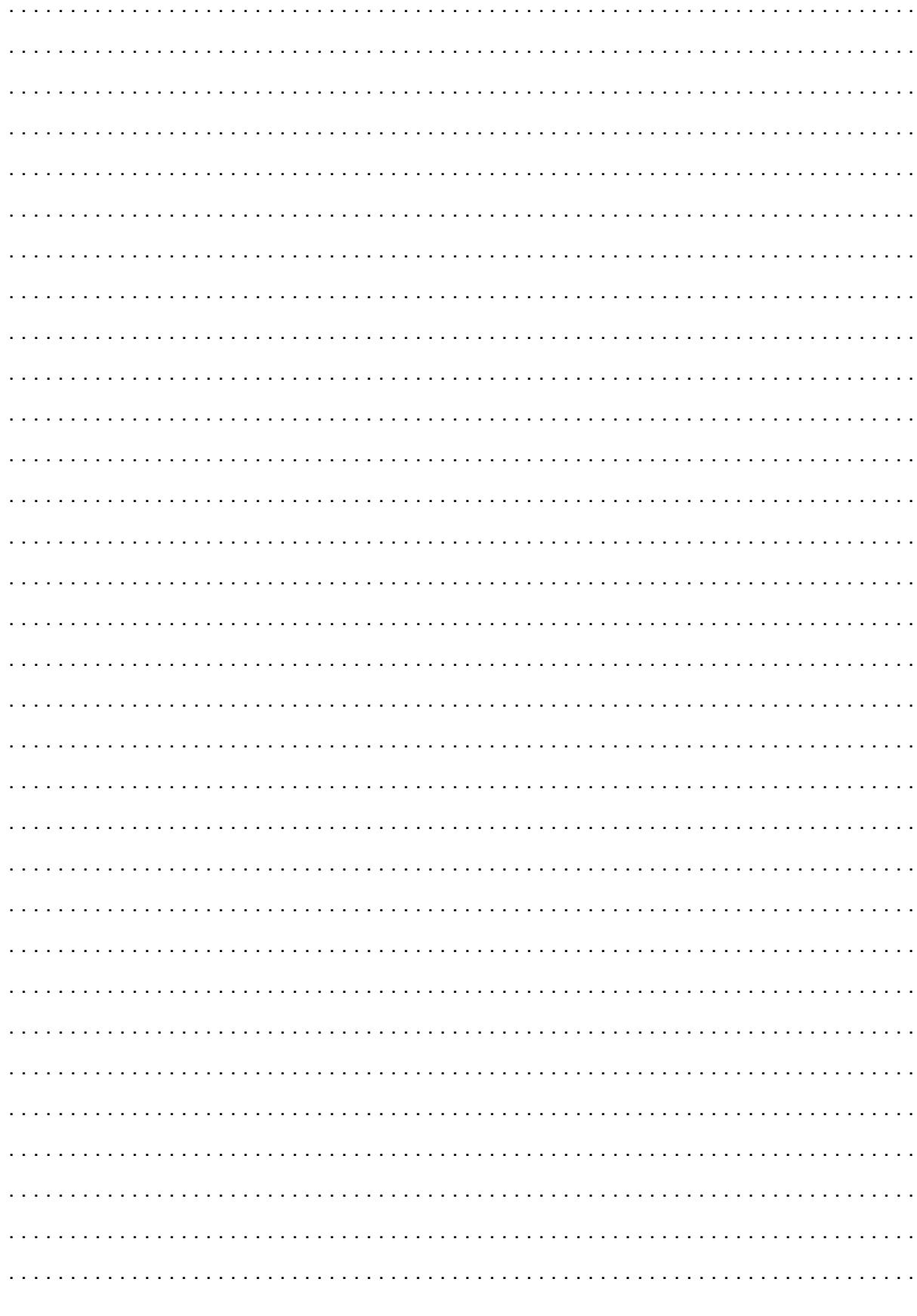
08EP03

Turn over



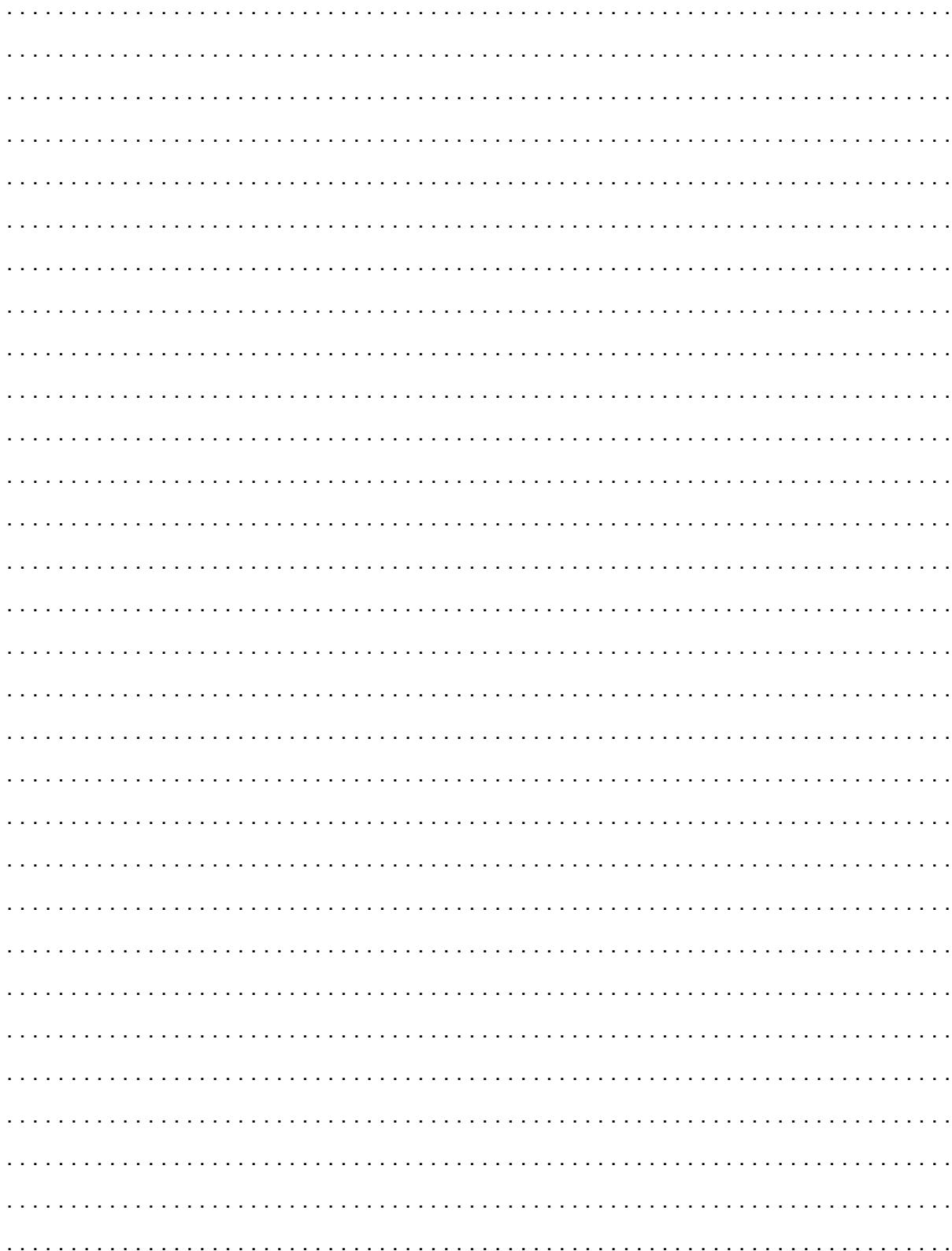






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08EP08