Cambridge Assessment
International Education

Cambridge Pre-U

GLOBAL PERSPECTIVES **9777/01**

Paper 1 Written Paper **May/June 2022**

INSERT **1 hour 30 minutes**

INFORMATION
- This insert contains all the resources referred to in the questions.
- You may annotate this insert and use the blank spaces for planning. **Do not write your answers** on the insert.

This document has **4** pages. Any blank pages are indicated.

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The documents below consider issues related to incorporating technology into buildings. Read them **both** in order to answer **all** the questions on the paper.

Document 1: adapted from *How AI Is Making Buildings Smart And Intelligent*, written by Naveen Joshi. The article was published on Forbes.com in 2019. The author was Founder and CEO of Allerin, which develops engineering and technology solutions focused on customer experiences.

Smart buildings are more than just four walls and a roof.

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Now that's exactly what sustainable development is all about, isn't it?

Document 2: adapted from *Why cyber criminals are targeting smart buildings*, written by Carey van Vlaanderen in 2019. Published online on News 24 South Africa. The author was CEO at ESET South Africa.

Smart buildings use Building Automation Systems (BAS) to control their environments for the comfort, health and productivity of the people inside them.

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As a result, the possibility of a cybercriminal launching a ransomware attack on a smart building is already a reality.

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