Cambridge Assessment International Education

Cambridge IGCSE™

GLOBAL PERSPECTIVES **0457/12**

Paper 1 Written Examination **October/November 2024**

INSERT **1 hour 15 minutes**

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INFORMATION

- This insert contains all the sources 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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Source 1

There has been an increase in the use of renewable energy – solar, wind, hydroelectric and fuels from waste materials. This is designed to reduce the impact of fossil fuels on the environment and climate change. For example, hydroelectric power generates electricity from water by using a dam or river. In Norway, 45 per cent of the total energy supply comes from hydroelectric power.

Source 2: Hydroelectric power

Advantages		Disadvantages
Waste free and no polluting emissions		Damage to local environment
Water for local irrigation		Harm to fishing stock and animal habitats
Access to clean drinking water		Possibility of floods or droughts
Sustainable energy		Increase in taxes to pay for building and maintenance
Creates places for recreation	A dam producing hydroelectric power	Limited locations for building the dams

Source 3: Using renewable energy has improved my business

I own a business producing clothing. We use a lot of electricity to power machinery. A large amount of heat is needed for making materials.

The business invested in three windmills and installed twenty solar panels at the factory. The business is caring for our planet and supporting the United Nations' Sustainable Development Goals for the future. Although it was very expensive at the beginning, it has made a big difference to our impact on the environment. Research shows that employees are happier in a sustainable workplace. They are more motivated and create more products. Our profits are higher and we have increased the number of employees by 15 per cent.

I won an environmental award from the government and was on television. We are proud of our achievement and now advise other businesses on how to reduce their use of fossil fuels.

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Source 4: A local planning debate

Paolo (a government representative)

Our country must play a part in reducing pollution and climate change. Therefore, we are planning to build a large dam on your local river for hydroelectric power. Our scientists believe that this is an excellent idea.

Next week we will be sending you a leaflet describing our plans. You will all have access to a cheaper and more reliable form of energy. Your community will be able to see the advantages, for example you will be able to swim in the reservoir.

Farmers and landowners will make money when we buy land near the dam. Farms will be moved to another area. We will support wildlife habitats.

We hope that you will support our plans and contribute to a greener future.

Adriana (a village representative)

My family lives near the river where you want to build the dam. There are nine small fishing communities that will disappear under the water.

We all depend on the fish in the river for our livelihood. We catch enough fish to sell at the local market. Sometimes we hunt animals in the nearby forests. The money we earn at the market allows us to pay our bills. The villagers nearby are all angry about this new scheme. I do not think you know anything about how we live. The dam will be a disaster for us!

My grandfather has fished here for 45 years. He says this is part of our heritage and is sacred to our ancestors. Please can the government respect our history and way of life? We don't want to move. Where would we live?

You say you will look after wildlife, but you have told us nothing about how this will happen. How can we believe you? We know we need cleaner energy but this is not the way to do it. Why can't you build wind farms out in the ocean where people don't live?

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