

Cambridge 14 Test 1

SECTION 3

Questions 21-25

Choose the correct letter, **A**, **B** or **C**.

Cities built by the sea

21 Carla and Rob were surprised to learn that coastal cities

- A** contain nearly half the world's population.
- B** include most of the world's largest cities.
- C** are growing twice as fast as other cities.

22 According to Rob, building coastal cities near to rivers

- A** may bring pollution to the cities.
- B** may reduce the land available for agriculture.
- C** may mean the countryside is spoiled by industry.

23 What mistake was made when building water drainage channels in Miami in the 1950s?

- A** There were not enough for them.
- B** They were made of unsuitable materials.
- C** They did not allow for the effects of climate change.

24 What do Rob and Carla think that the authorities in Miami should do immediately?

- A** take measures to restore ecosystems
- B** pay for a new flood prevention system
- C** stop disposing of waste materials into the ocean

25 What do they agree should be the priority for international action?

- A** greater coordination of activities
- B** more sharing of information
- C** agreement on shared policies

Questions 26-30

What decision do the students make about each of the following parts of their presentation?

Choose **FIVE** answers from the box and write the correct letter, A-G, next to Questions 26-30.

Decisions

- A** use visuals
- B** keep it short
- C** involve other students
- D** check the information is accurate
- E** provide a handout
- F** focus on one example
- G** do online research

Parts of the presentation

- 26** Historical background
- 27** Geographical factors
- 28** Past mistakes
- 29** Future risks
- 30** International implications

SECTION 4

Questions 31-40

Complete the notes below. Write **ONE WORD ONLY** for each answer.

Marine renewable energy (ocean energy)

Introduction

More energy required because of growth in population and **31**.....

What's needed:

- renewable energy sources
- methods that won't create pollution

Wave energy

Advantage: waves provide a **32**..... source of renewable energy

Electricity can be generated using offshore or onshore systems

Onshore systems may use a reservoir

Problems:

- waves can move in any **33**.....
- movement of sand, etc. on the **34**..... of the ocean may be affected

Tidal energy

Tides are more **35**..... than waves

Planned tidal lagoon in Wales:

- will be created in a **36**..... at Swansea
- breakwater (dam) containing 16 turbines
- rising tide forces water through turbines, generating electricity
- stored water is released through **37**....., driving the turbines in the reverse direction

Advantages:

- not dependent on weather
- no **38**..... is required to make it work
- likely to create a number of **39**.....

Problem:

- may harm fish and birds, e.g. by affecting **40**..... and building up silt

Ocean thermal energy conversion

Uses a difference in temperature between the surface and lower levels

Water brought to the surface in a pipe