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Geography
Higher level and standard level
Paper 2

Monday 16 May 2022 (morning)

Candidate session number

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1 hour

Instructions to candidates

- Write your session number in the boxes above.
- Do not open this examination paper until instructed to do so.
- Section A: answer all questions.
- Section B: answer the question.
- Answers must be written within the answer boxes provided.
- The accompanying **geography resource booklet** is required for this examination paper.
- The maximum mark for this examination paper is **[40 marks]**.



Section A

Answer **all** questions.

Answers must be written within the answer boxes provided.

When relevant, answers should refer to case studies or examples, and where appropriate include well-drawn maps or diagrams.

1. Changing population

Refer to the map on pages 2–3 of the accompanying resource booklet.

The map shows the distribution of population in Venezuela.

- (a) Outline the distribution of the Venezuelan states with population densities of above 100 persons per km².

[2]

.....
.....
.....
.....

- (b) Explain **two** physical reasons why some areas have a low population density.

[2 + 2]

Reason 1:
.....
.....
.....
Reason 2:
.....
.....
.....

(This question continues on the following page)



(Question 1 continued)

(c) Explain **one** cultural reason **and one** economic reason why fertility rates are decreasing.

[2 + 2]

Cultural reason:

.....

.....

.....

Economic reason:

.....

.....

.....



2. Global climate – vulnerability and resilience

(a) Outline what is meant by terrestrial albedo.

[2]

.....

.....

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.....

(b) Suggest how climate change may cause spatial changes in:

(i) biomes;

[2]

.....

.....

.....

.....

(ii) animal migration patterns.

[2]

.....

.....

.....

.....

(This question continues on the following page)



(Question 2 continued)

- (c) Explain **two** ways in which higher temperatures could increase the incidence of health hazards on people.

[2 + 2]

Way 1:

.....

.....

.....

Way 2:

.....

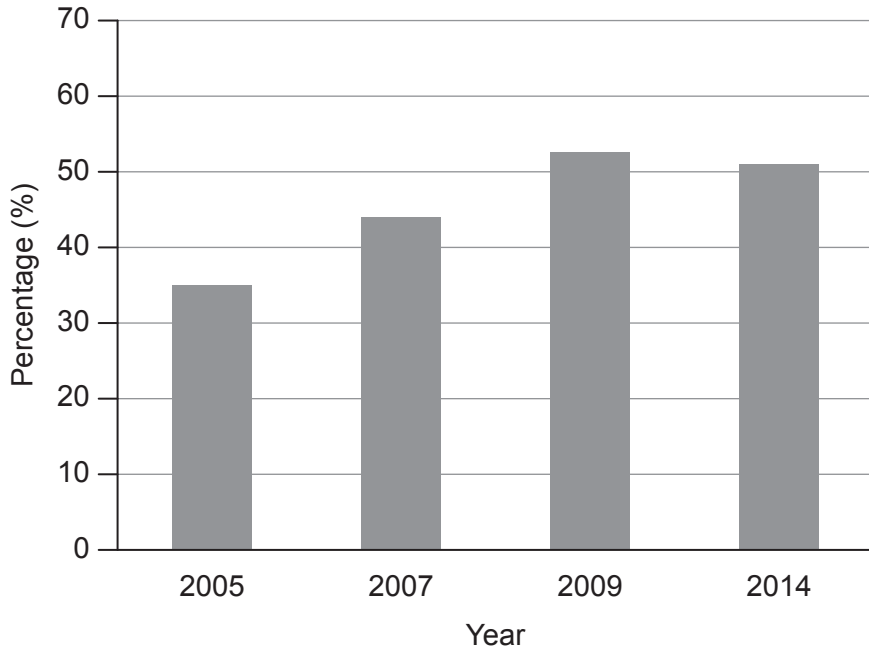
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3. Global resource consumption and security

The graph shows changes in the percentage of the population of Lesotho living in slums.



[Source: UN Habitat, 2016. *Slum Almanac 2015–2016: Tracking Improvement in the Lives of Slum Dwellers*. [pdf online] Nairobi: UNON Publishing Service Station. Available at: https://unhabitat.org/sites/default/files/download-managerfiles/Slum%20Almanac%202015-2016_PSUP.pdf [Accessed 4 June 2020]. Source adapted.]

(a) Describe the trends shown in the slum populations of Lesotho between 2005 and 2014. [2]

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(b) Suggest **two** reasons why progress towards access to safe water has been slow in some regions. [2 + 2]

Reason 1:

.....

.....

.....

Reason 2:

.....

.....

.....

(This question continues on the following page)



(Question 3 continued)

(c) Explain **one** economic advantage **and one** environmental advantage of the circular economy.

[2 + 2]

<p>Economic advantage:</p> <p>.....</p> <p>.....</p> <p>.....</p> <p>.....</p> <p>Environmental advantage:</p> <p>.....</p> <p>.....</p> <p>.....</p>



Section B

Answer the following question.

4. Refer to the infographic on pages 4–5 of the accompanying resource booklet.

The infographic shows aspects of global e-waste.

(a) (i) State the range for e-waste generated (in kg per person) for the countries shown. [1]

.....
.....

(ii) Identify which raw material is produced in the largest amount when e-waste is recycled. [1]

.....
.....

(b) Describe the relationship between GNI per person and average growth rate of EEE consumption. [2]

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.....
.....

(This question continues on the following page)



References:

3. UN Habitat, 2016. *Slum Almanac 2015–2016: Tracking Improvement in the Lives of Slum Dwellers*. [pdf online] Nairobi: UNON Publishing Service Station. Available at: https://unhabitat.org/sites/default/files/download-managerfiles/Slum%20Almanac%202015-2016_PSUP.pdf [Accessed 4 June 2020]. Source adapted.

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12EP10

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will not be marked.



12EP11

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will not be marked.



12EP12