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Geography Higher level and standard level Paper 2

Monday 9 November 2020 (morning)

Candidate session number											

1 hour 15 minutes

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.
- Section C: answer one 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 **[50 marks]**.

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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.	Char	nging	popu	lation
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Refer to the graph on page 3 of the accompanying resource booklet.

The graph shows the actual and projected population trends in Japan, from 1880 to 2100.

Describe the projected trends for the two dependent population groups from 2020

	to 2060.	[2]
(Suggest two potential socio-economic problems that could result from the projected population trend. 	[2+2]
Ç	Socio-economic problem 1:	
	Socio-economic problem 2:	



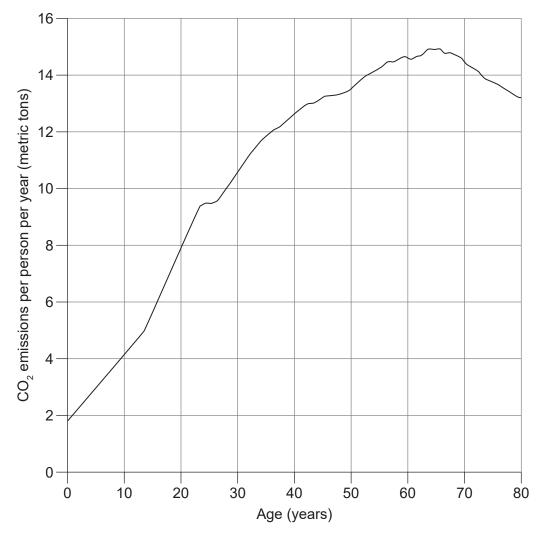
(Question 1 continued)

(c)	Explain two ways in which	h one named countr	benefits from a	demographic dividend.	[2+2]
(-)			,	a - 1 1 2 3 1 4 5 1 1 1 4 1 1 1 1 1 1 1 1 1 1 1 1 1	

Named country:	 	
Way 1:	 	
Way 2:	 	

2. Global climate – vulnerability and resilience

The graph shows carbon dioxide (CO_2) emissions related to the typical American's activities over a lifetime.



(a))	(i)	Sta	ate t	he a	age	at v	whic	ch t	the	av	era	ge	US	citi	zer	n pr	odı	ices	s th	e n	nos	st C	;O ₂	₂ er	mis	ssic	ons	[1]
										٠.																			



(Question 2 continued)

	(ii)	State the age range in which the most rapid increase in CO ₂ emissions occurs.	[1]
((b) Sug	ggest two health hazards that may result from climate change.	[2+2]
	Health ha	azard 1:	
	Health ha	azard 2:	
((c) Exp	plain how two methods of geo-engineering could mitigate climate change.	[2+2]
	Method 1	:	
	Method 2	<u>.</u>	



J.	Global resource consumption and security									
	(a) Describe what is meant by an individual's ecological footprint.	[2]								
	(b) Suggest two ways in which meeting a nation's water needs could result in reduced food availability.	[2+2]								
	Way 1:									
	•••••									
	Way 2:									
		-								
	(c) Explain how a circular economy approach can contribute to:									
	(i) reduced use of new resources;	[2]								



(Question 3 continued)

(ii) changing attitudes to product ownership.	[2]



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Section B

Answer the following question.

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

The infographic has been produced by Australia's National Roads and Motorists' Association to show selected characteristics of Australia's energy security.

(a)	Describe trends in the proportion of fuel directly imported into Australia between 2000 and 2013.	[2]
(b)	Suggest one graphical method that could depict the information in box A, giving a reason for your choice.	[2]



(Question 4 continued)

	(c)	To what extent might this infographic make Australian citizens more concerned about their energy security than they need to be?	[6]
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Section C

Answer **one** question.

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

5.	"The growth of the global middle class will inevitably accelerate climate change." To what extent do you agree with this statement?	[10]
6.	"Resource insecurity is becoming the main cause of forced migration." To what extent do you agree with this statement?	[10]













References: Reprinted by permission from Springer Nature; "The Leverage of Demographic Dynamics on Carbon Dioxide Emissions: Does Age Structure Matter?", Emilio Zagheni, © 2011. 2.