Surname

Centre Number

First name(s)

GCSE



3110U20-1

S23-3110U20-1

FRIDAY, 9 JUNE 2023 - MORNING

GEOGRAPHY Unit 2: Environmental and Developmental Issues

1 hour 30 minutes

	For Examiner's use only			
		Mark Awarded		
	Question 1	28		
	Question 2	28		
	Writing accurately	3		
either	Question 3	24		
or	Question 4	24		
	Total	83		

ADDITIONAL MATERIALS

In addition to this paper you may use a calculator and a ruler if required.

INSTRUCTIONS TO CANDIDATES

Use black ink or black ball-point pen. Do not use gel pen or correction fluid.

Write your name, centre number and candidate number in the spaces at the top of this page.

Answer **both** questions in Section A.

Answer **one** question from Section B.

Write your answers in the spaces provided in this booklet.

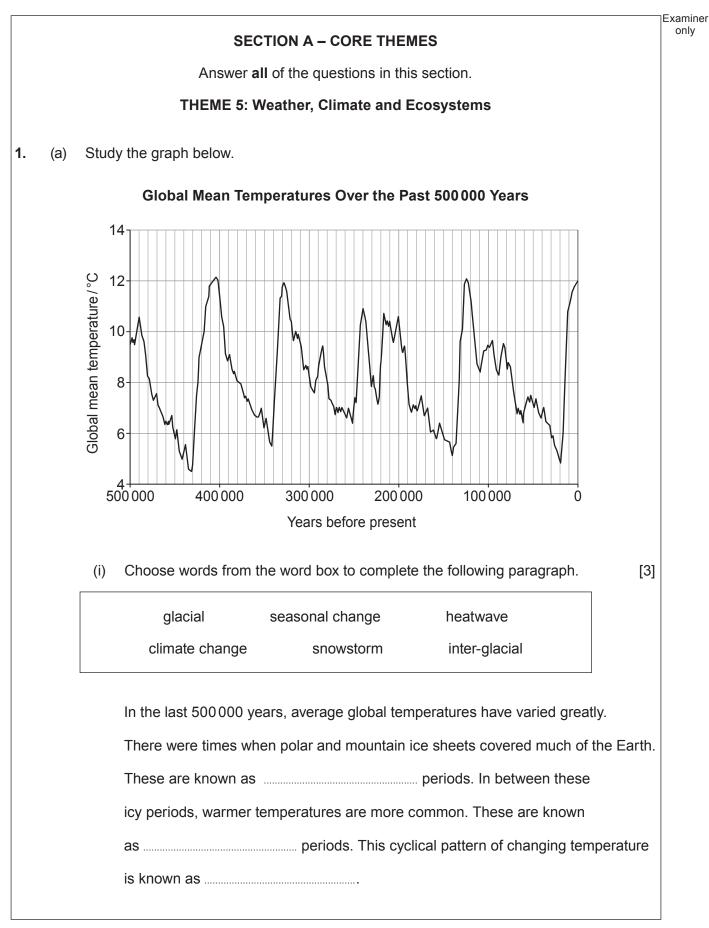
Additional space is provided for some questions within the booklet (if required). If further space is required for any question, you should use the additional page(s) at the back of the booklet, taking care to number the question(s) correctly.

INFORMATION FOR CANDIDATES

The number of marks is given in brackets [] at the end of each question.

Your ability to communicate and organise your ideas will be assessed in questions that are worth 6 or 8 marks. The accuracy of your writing will be assessed in your answer to question 2(a)(iii).



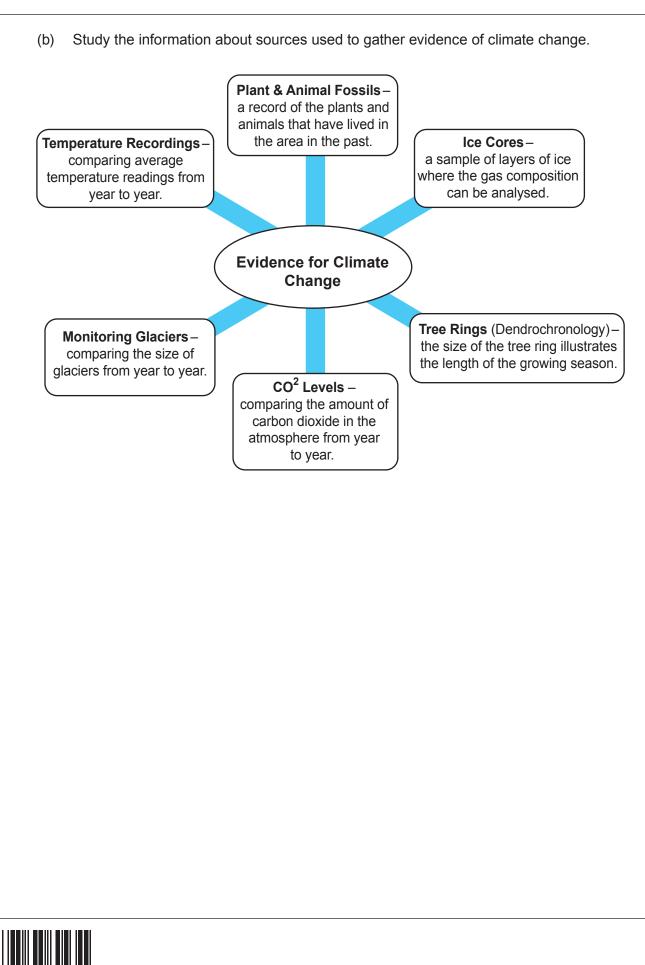




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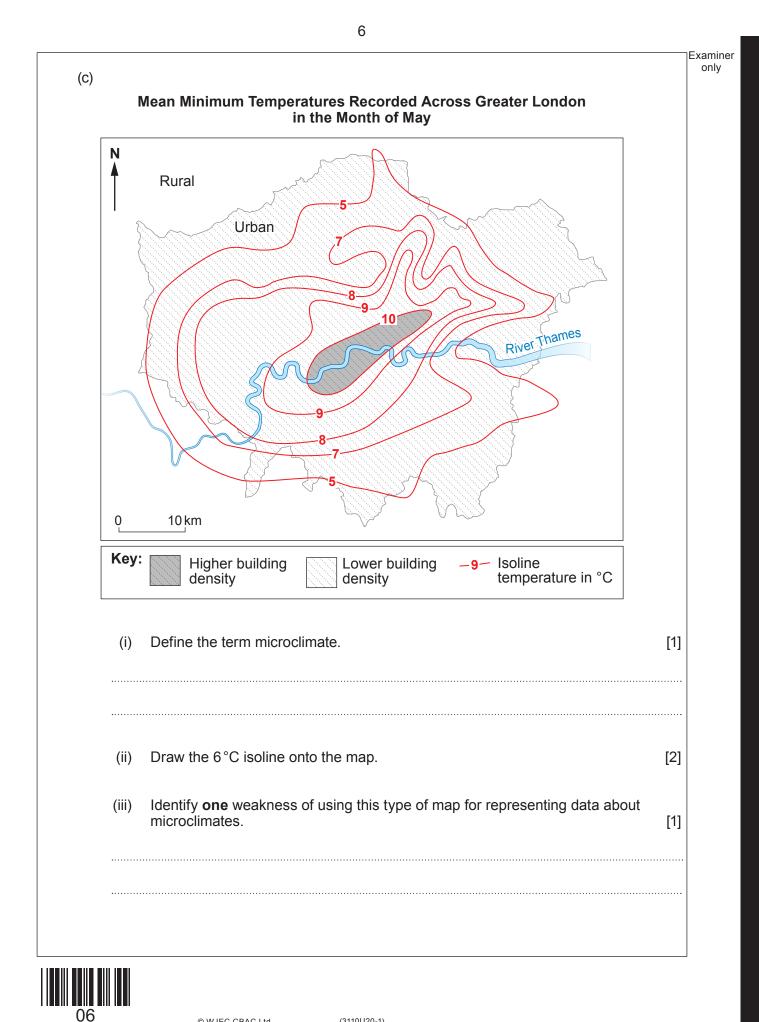
Describe the trend in mean temperature shown on the graph. Use data from the graph to support your answer. (ii) [3]

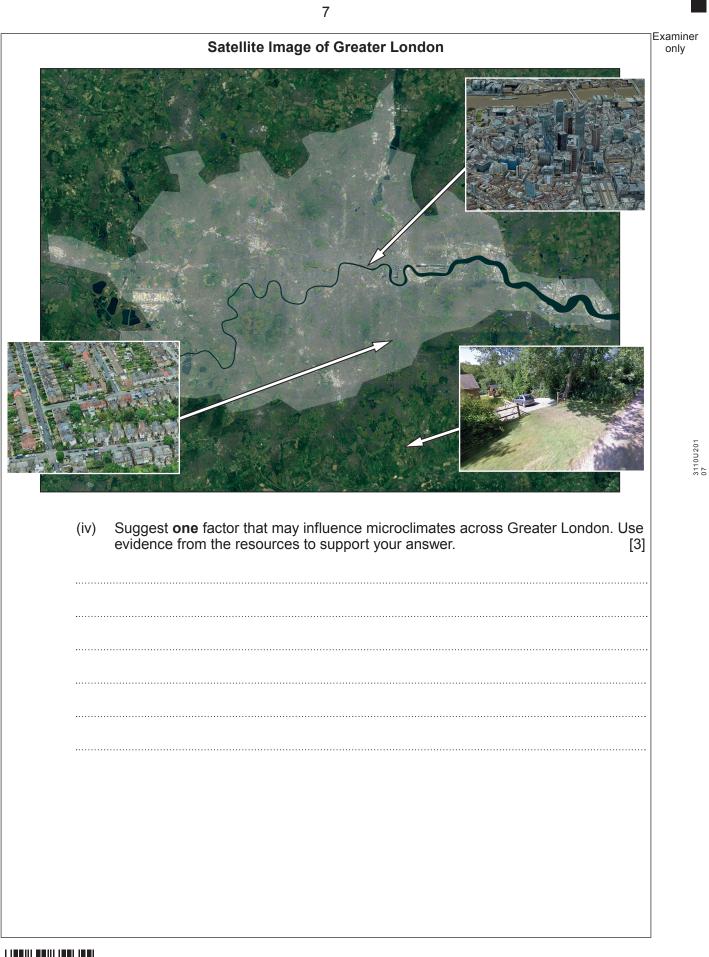




compare the value ovidence.	of using ice cores as evidence of climate change with another s	source of [6]
		······
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(d) Study the table below:

Twenty of the Most Important Wildlife Corridors

Name of Wildlife Corridor	Country	Continent	Man-made or natural
Banff National Park	Canada	North America	Man-made
Natuurbrug Zanderij Crailoo	Netherlands	Europe	Man-made
US Highway 93 North	USA	North America	Man-made
Christmas Island National Park	Australia	Oceania	Man-made
Mt. Kenya National Forest	Kenya	Africa	Man-made
Eco-Link @BKE	Singapore	Asia	Man-made
Lower Rio Grande Valley National Wildlife Refuge	Mexico	North America	Man-made
Norway's Bee Highway	Norway	Europe	Man-made
Burnham Wildlife Corridor	USA	North America	Man-made
Yellowstone to Yukon Wildlife Corridor	USA	North America	Man-made
Sredneussuriisky Wildlife Corridor	Russia and China	Asia	Man-made
Kallhäll Nature Bridge	Sweden	Europe	Man-made
Madaraka Express railway	Kenya	Africa	Man-made
Mandai Wildlife Bridge	Singapore	Asia	Man-made
Railway Turtle Tunnels	Japan	Asia	Man-made
Kaziranga-Karbi Anglong Corridor	India	Asia	Natural
Terai Arc Landscapes	India and Nepal	Asia	Natural
Kanha Pench Corridor, Satpuda-Maikal Landscape	India	Asia	Natural
Sawantwadi-Dodamarg Wildlife Corridor	India	Asia	Natural
European Green Belt	Numerous – from Finland to Bulgaria	Europe	Natural



Define the term wildlife corridor. Tick (\checkmark) the correct answer below.

	Definition	Tick (√
	e management of land and the resources within it, required to aintain suitable populations of species.	
	agreement between poorer and richer nations to spend money on nservation projects to ensure greater friendship and trade.	
	strip of land that links habitats, allowing wildlife to move safely from e area to another.	
(ii)	Use the data in the table on page 8 opposite.	
	Calculate the percentage of wildlife corridors that are found in Asia working.	. Show yo
	Answer	
(iii)	Explain why wildlife corridors are successful in managing habitats. example you have studied in your answer.	
(iii)	Explain why wildlife corridors are successful in managing habitats.	
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(iii)	Explain why wildlife corridors are successful in managing habitats.	
(iii)	Explain why wildlife corridors are successful in managing habitats.	



(i)

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[1]

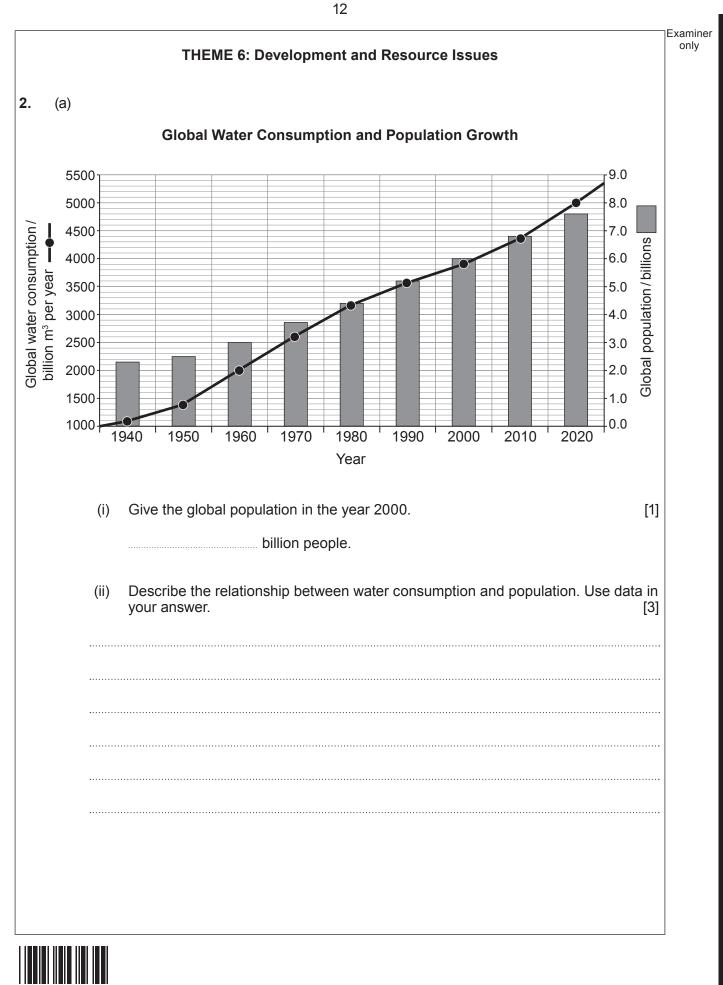
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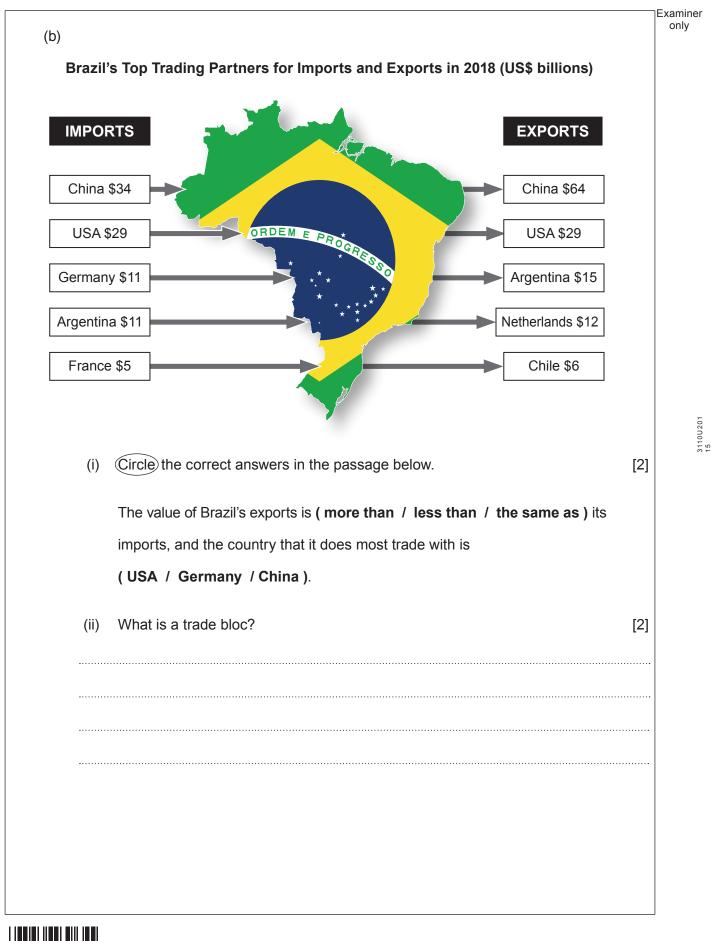




	13
iii)	The three factors listed below have all played a part in increasing the demand for water.
	Population Growth of Agricultural Growth Consumerism Change
	Choose the factor which, in your opinion, has had the greatest impact. Justify your choice. [8]
	The accuracy of your writing will be assessed in your answer to this question. [3]
•••••	



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(iii) Read the definitions below.

Letter	Definition	
Α	Limits on the amount of goods imported	
В	An agreement between two countries to trade together	
С	Financial benefits given by the government to support businesses, for example farmers	
D	The import and export of goods and services across international boundaries	
Е	Taxes imposed on imports	

Add the letter of the correct definition to each of the terms below. One of the definitions will not be used. [4]

Term	Definition
Global trade	
Tariffs	
Quotas	
Subsidies	

(iv) Explain why global trade has contributed to uneven patterns of development. [4]



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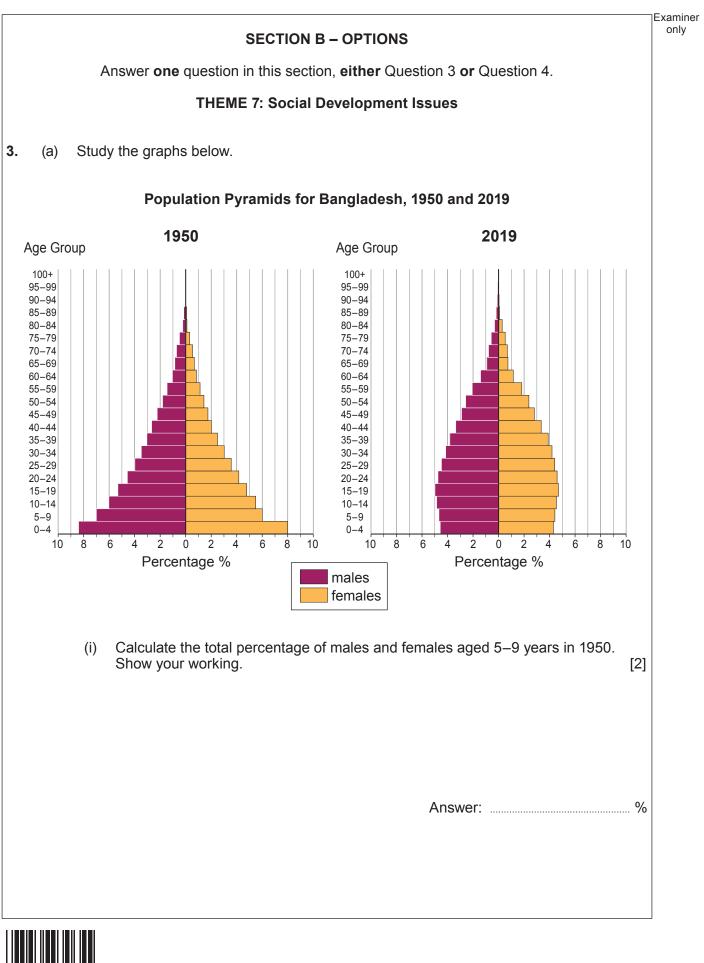
) The term north–south divide refers to the inequality in social and economic development between southern England and the rest of the UK.	
Give one economic and one social reason why there are differences in economic development between areas within the UK.	[4]
Economic reason	
	••••••
	••••••
Social reason	
End of Question 2	



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Turn over.



Examiner Describe how the population structure of Bangladesh changed between 1950 and 2019. Use figures from the population pyramids to support your answer. [4] (ii) [4] Describe how one economic factor affects death rates. [2] (iii) Explain why changing social factors affect population structure in South Asia. (iv) [4]

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Examiner only State two factors that lead to people becoming refugees. (b) (i) [2] 1. 2. Give one reason why asylum seekers may want to leave some South Asian (ii) countries. [2] Study the resources below. (C) Movement of Refugees from Turkey to the EU via Greece Ν Official Refugee Year Arrivals in Greece **BULGARIA** Evros 4192 2014 43 300 2016 177 300 2018 50 500 esvos 1314 TURKEY 2020 15700 GREECE Chios 230 Key: Circle size indicates Other Islands 271 number of people SYRIA Samos 332 Kos 801 Kastellorizo 3 Crete 186 Rhodes 109 Symi 26 0 200 km Fact File - Managing refugees into Greece The European Union (EU) had a large increase of refugees from 2015. Some refugees from sub-Saharan Africa and Asia enter the EU by moving through

- countries like Turkey to Greece (an EU country).
- Many of these refugees came from Syria due to a civil war.
- Greece set up temporary emergency accommodation for the refugees.
- In 2016 an international agreement between the EU and Turkey was signed Turkey agreed to discourage refugees moving to the EU in exchange for 6 billion euros.
- In 2020 Greece tried to stop refugees from arriving in the country by:
 - (i) Increasing border patrols with help from other EU nations
 - (ii) Removing support for those granted refugee status in the country.

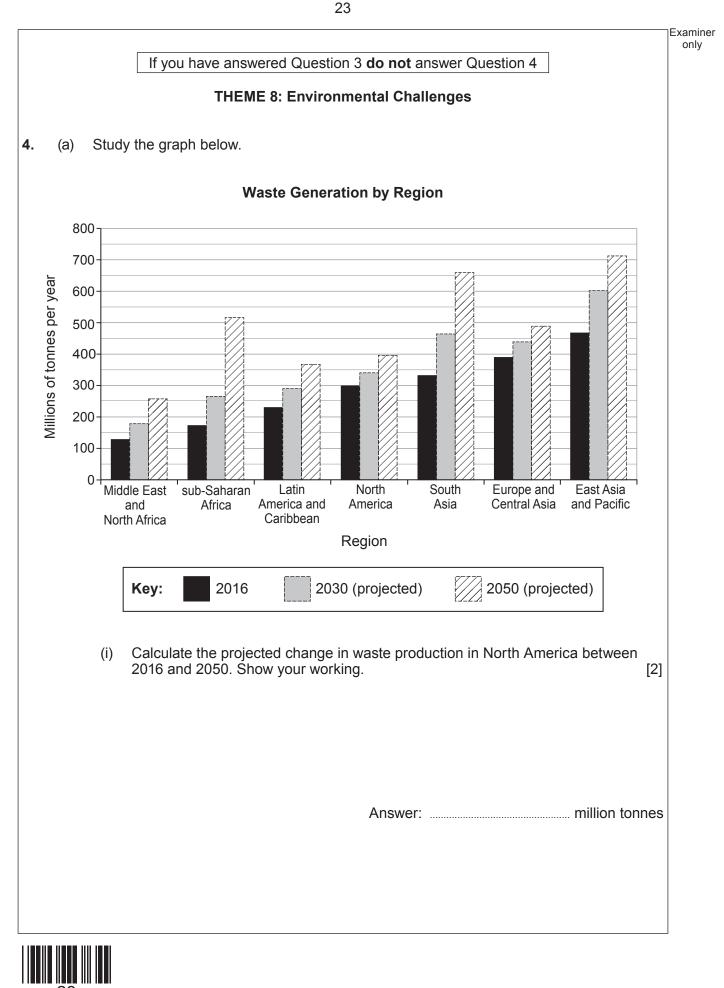


International agreements have been successful in reducing the movement How far do you agree with this statement?	of refugees.
You may refer to other examples you have studied.	[8]



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(ii)	Describe how the pattern of predicted global waste changes from 2016 to 2050. [4]
(iii)	Describe one way that waste can be disposed of. [2]
.	
(iv)	Explain why consumerism has led to a change in the amount of waste produced.
	[4
<u>.</u>	
••••••	



(b)	(i)	In recent years there has been a rapid rise in the amount of e-waste created across the planet. Discarded computers account for much of this waste.	E
		Name two other sources of e-waste.	[2]
		1	
		2.	
	(ii)	Give one reason why the growth of e-waste affects people.	[2]
	••••••		
	•••••		

	The Conservation and Manage	ment of Elephants in Kenya			
Year	-	Kenya Wildlife Conservation – Elephants			
1973	Number of Elephants in Kenya 167 000	 From 1973–1990 there was a large 			
	20000	reduction in the number of elephants in Kenya.			
1990 2021	36200	 In 1990, conservation management was put in place with the aim of elephants having a "peaceful and beneficial co-existence with people". 			
- 55		 Anti-poaching teams have significantly reduced the illegal killing of elephants in the area. 			
		 The conservation of elephants benefits the whole ecosystem. 			
	The The Martin of the Martin of the second s	 Human population increase leads to competition for land and water for the elephants. 			
Balmer P.	and the weather the state of the				
		 Climate change is reducing the number and size of watering holes in the region. ing habitats are always successful. How far do refer to other examples you have studied. [8] 			
		Climate change is reducing the number and size of watering holes in the region.			
		Climate change is reducing the number and size of watering holes in the region.			



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