	ANNI, Dabac
	UNIVERSITY OF CAMBRIDGE INTERNATIONAL EXAMINATIONS International General Certificate of Secondary Education
CANDIDATE NAME	
CENTRE NUMBER	CANDIDATE NUMBER
ENVIRONMEN	TAL MANAGEMENT 0680/23
Paper 2	October/November 2012 1 hour 45 minutes
O a va di data a la va	wer on the Question Paper.

Additional Materials: Ruler

## **READ THESE INSTRUCTIONS FIRST**

Write your Centre number, candidate number and name on all the work you hand in. Write in dark blue or black pen. You may use a soft pencil for any diagrams, graphs or rough working. Do not use staples, paper clips, highlighters, glue or correction fluid. DO **NOT** WRITE IN ANY BARCODES.

Answer **both** questions.

At the end of the examination, fasten all your work securely together. The number of marks is given in brackets [] at the end of each question or part question.

For Examiner's Use	
1	
2	
Total	

This document consists of 14 printed pages and 2 blank pages.





(iii) On the graph, use two different types of shading to show where there are natural increases and natural decreases of population. Complete the key for the types of shading used.
[3]

(b) The spider diagram shows factors which can decrease the rate of population gro country.



• •	other factor wh licy of the gover		4 he rate of population growth in	a country y changed in Iran	
	Look at the information box showing how national population policy changed in Iran between the early and late 1980s.				
		Population	policy in Iran		
	eini's regime sa anian citizens to		Late 1980s Regime realised that it had ma Instead it introduced a policy to population growth * contraception was made mor available * couples were forced to attend planning clinics before marria * child benefits were stopped a children	o reduce re widely d family age	
opulation in 19	80	40 million			
opulation estin 980 for 2005	nate made in	100 million	Actual population in 2005	70 million	
	w and why did a early and late		policy of the government change	e in Iran between	

- .....[2]
- (iii) As a result of this change in policy, how big was the decrease in population between the number estimated in 1980 for 2005 and the actual population in 2005?

.....[1]

				5			MAN P.	
(iv) Lool					mber of ch	ildren per v	woman o	SaCa.
lifetii	me) in Iran	between	1980 and 2	2010.				1101.
lifetii year	me) in Iran 1980	1985	1980 and 2 1990	2010. 1995	2000	2005	2010	33 Cambridge .com



(c) Why do national population policies have a big effect on the size of population in countries? Explain as fully as you can. Use examples of countries with and with population policies to illustrate your answer.

6	
6 Why do national population policies have a big effect on the size of population in countries? Explain as fully as you can. Use examples of countries with and with population policies to illustrate your answer.	bridge
	S.Com
[5]	

## Population data for Iran (2005)

birth rate	20.3 per 1000
death rate	5.2 per 1000
population under 15 years	28.7 per cent
population over 60 years	6.4 per cent

- (i) What was the rate of natural increase per 1000 in Iran in 2005?
- .....[1]
- (ii) Look again at the Demographic Transition Model in part (a). In which stage does the example of Iran fit best? Explain your choice.

..... .....[2]

	12
	7
(iii)	7 Describe some of the economic and environmental effects of continued pop growth for countries such as Iran. economic
	economic
	environmental
	[4]
<b>e)</b> Ma	ny people believe that the continued growth of world population is unsustainable.
(i)	Why do they think this?
<i>(</i> <b></b> )	
(ii)	Do you agree? Explain your views on this.
	[5]
	[Total: 40]



www.papaCambridge.com 9 (b) People without access to clean water are the ones most at risk from water diseases. The most widespread water-related diseases are: bilharzia cholera malaria typhoid (i) Which two of these diseases are water-borne, caught by people drinking unclean (polluted) water? .....[1] ..... (ii) Describe how the other two named water-related diseases are different from the water-borne ones. .....[2] Some people die from water-related diseases. Which people and groups of people (iii) are most at risk and why? ..... .....[4]

Many other people feel ill and weak for long periods of the year. This contrib (iv) the family poverty cycle.



Complete the poverty cycle by filling in the two remaining boxes with suitable labels. [2]

Some people struggle to find enough water, and the water that they find is rarely (c) (i) clean.

> Read this report from Practical Action, a NGO (non-governmental organisation) working in developing countries.

For years, the people of Turkana in northern Kenya have suffered persistent periods of drought. In great heat, the women have to walk up to 10 km to driedup river beds to find water for their families. The women are in danger of being attacked along the way. When they reach the river beds, they dig 'scoop holes' with their bare hands, uncovering small amounts of dirty, polluted water. They have no choice but to drink it.

Explain why the people of Turkana suffer from problems of both water shortage and water quality.

water shortage	 
water quality	 
	 [3]

10



(d) Look at the map of the River Ganges, India's largest river.



**Course of the River Ganges** 

The map shows the location of the Tehri Dam, one of the largest in India, 265 m (i) high with a reservoir 75 km long behind it.

Suggest reasons why this is a good location to build a large dam.

..... .....[3]



	14 Manuel Solo	
iv)	14 Why are the views of local people usually ignored when large dams are planned?	bilde.
	[2]	
<b>v</b> )	Is the migration of people to Delhi a good way of dealing with the water problems of villages around the Tehri Dam? Explain your view on this.	
	[2]	
ri)	Between Tehri and Kanpur two large canals take river water from the Ganges for farm use. Kanpur is an industrial city with a population of over 3 million people. It is best known for tanning leather. Its 400 leather tanneries release 30 million litres of waste water back into the Ganges every year. This water is contaminated with chromium and chemical waste.	
	Building the Tehri dam has made environmental pollution worse in the River Ganges at and below Kanpur. Suggest reasons for this.	
	[3]	

[Total: 40]



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