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			nbids
CANDIDATE NAME			
CENTRE NUMBER		CANDIDATE NUMBER	
ENVIRONME	ITAL MANAGEMENT	068	0/12
Paper 1		October/November 1 hour 30 min	
Candidates an	swer 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 **all** 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		
3		
4		
5		
6		
Total		

This document consists of **13** printed pages and **3** blank pages.



Choose one:

- A Hundreds of years
- B Thousands of years
- C Millions of years

Letter

(ii) Use information from the diagram above to complete the chart below to show the formation of coal from trees in a swamp.



[1]

		3 Explain why coal mining is dangerous for miners and damages the environmedian dangerous for miners	
		3	
(b)	(i)	Explain why coal mining is dangerous for miners and damages the environ	
		dangerous for miners	origo
			S.Com
		damages the environment	1
		[4]	
	(ii)	Name two alternative sources of energy that do not cause the same environmental problems as those caused by coal.	
		1	
		2[2]	

- 4
- 2 Look at the map below showing the distribution of water scarcity around the world.



Describe where there is high and medium scarcity of water in the world. (a) (i)

>[2]

(ii) In places with low water scarcity, there will be high precipitation, a process which is part of the water cycle. The following paragraph describes the water cycle. Fill in the gaps using the words below. The words may be used once, more than once or not at all.

clouds	condenses	evaporation	fog	precipitation
rair	n sea/ocean	snow	Sun	vapour
When the		shines on the	sea, warm	air rises. The warm
air carries the gas water that was formed by the process				
called The water in the air into lots				
of drops of water, so small that we cannot see them. These form bigger drops				
that we can see as When the drops join together to become				
big and heavy they fall as				
These fall or	n to the land ar	nd into the riv	vers. The	surface rivers flow
into the	and	d the cvcle is co	mpleted.	[4]

(b) As well as being the main reservoir of water in the world, the oceans are also a of food. The graph below shows the top 13 countries for fish catch and their population



www.papaCambridge.com Look at the diagram below showing the input of energy from the Sun to the Earth. 3



All the energy from the Sun, which is not absorbed by gases or reflected, is (a) (i) absorbed by the Earth's surface. Calculate the percentage of the Sun's energy that is absorbed by the Earth. Show your working.

[2]

The energy which is absorbed by the surface can then be radiated back into space. (ii) Without greenhouse gases, radiation from the surface would make the Earth too cold for life. Name two of these greenhouse gases. 1. 2.[2]

Draw a labelled diagram to show how this warming of the atmosphere occurs. (i)

[2]

(ii) One major source of greenhouse gases is the motor car. Suggest two ways of reducing the amount of gases from this source.

.....[4]





5 Look at the graph below which shows human population over the last 2000 years and expected in the next two hundred years.



- (a) (i) What was the approximate population in the year 1500?
 - How many times larger than in the year 1000 does this graph show that the (ii) population is expected to be in 2200? Show your working.

.....[1]

[2]

(b) An increasing population causes many problems, especially for the environment.

(ii)

List three ways, using the headings below, in which the environment might T (i) damaged by population growth on a large scale.

www.papaCambridge.com soil..... _____ water..... vegetation[3] The most obvious solution to limit environmental damage is to slow, stop and then reverse population growth. This has been achieved in many European and other more developed countries.

Apart from family planning, describe and explain two reasons why population growth rates have slowed down in more developed countries.

.....[4]



(ii) In the diagram above, which process accounts for the formation of soil?

.....[1]

(b)	13 The diagram below shows some of the ways in which loss of soil can be reduced growing crops on a hillside.	Cambridge.com
	D D D D D D D D D D D D D D D D D D D	Se.conn
i	crop growing in valley bottom (i) Name the process which causes soil loss.	
		1]
	(ii) On the diagram, A, B, C and D are all methods which protect against soil los Name these methods.A	S.
	В	
	С	
	 D	w
	[



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15



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Question 2 Map

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