	UNIVERSITY OF CAMBRIDGE INTERNATIONAL EXAMINATIONS International General Certificate of Secondary Education		
CANDIDATE NAME		- Som	
CENTRE NUMBER	CANDIDATE NUMBER		
ENVIRONMEN Paper 1	ITAL MANAGEMENT	0680/12 May/June 2011	
	swer on the Question Paper.	1 hour 30 minutes	

Additional Materials: Ruler

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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		
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Total		

This document consists of 12 printed pages.



- www.papaCambridge.com 1 All food on the Earth is made by plants. (a) (i) What is the name of the process by which plants make food?[1] (ii) Complete this paragraph about the manufacture of food in plants. In order to make food, plants need water from the and from the atmosphere. The energy for the process is provided by from the sun. This is absorbed by the green pigment, [4]
 - (b) In many parts of the world, water for crop plants is in short supply. This problem can be reduced by irrigation.

The photographs show two methods used for the irrigation of crops.

Method A





) (i)	Which of these has been in existence for longest?
	4 used in different ways by nomadic pastoralists, hunter-gatherers and crop fat. Which of these has been in existence for longest?
(ii)	What is a nomadic pastoralist?
	[2]
-	nd is also used for tourism. This can damage the land so strategies are needed to uce this problem.
(i)	Ecotourism is one way to manage this. What is ecotourism?
(ii)	Another way to manage tourism is to set up National Parks for the big game
	animals. In Kenya, however, this leads to conflict between nomadic pastoralists and conservationists. Explain the conflict.
	[3]
(iii)	A third use of land is mining which also causes damage. After mining has finished explain how this damage might be reversed.



www.papaCambridge.com (b) As well as providing water for drinking and other uses, the oceans also provide with food, 82.6 million tonnes of fish were caught from the sea in 2002. The top species caught in 2002 are shown in the table below.

species	2002 catch (million tonnes)	
anchovy	11.6	
tuna	3.5	
squid	3.2	
shrimps	3.0	
hake	2.7	
capelin	2.0	
herring	1.9	
chinchard	1.8	
whiting	1.6	
mackerel	1.5	
total of top ten species		

(i) Complete the table by filling in the total catch for the top ten species.

(ii) Complete the graph using figures from the table.



2002 fish catch (million tonnes)

[1]

[1]



www.papaCambridge.com 8 (a) Two elements of the weather measured by meteorologists are temperature and su 4 hours. Name the instrument used to measure temperature and describe where it should (i) be placed to obtain correct readings.[2] (ii) Explain how sunshine hours are measured.[2] (b) Look at the graph. Relationship between hours of sunshine per month and average monthly temperature for a UK city over a year 25 20 15 > 10 5 0 150 0 50 100 200 250 Х (i) Supply a suitable title for the **X** axis and suitable units for the **Y** axis. X axis title Y axis units.....[2]



a)	10 he oceans cover 70 percent of the Earth's surface and contain 97 percent of its water ave an important resource potential for humans. a) State two ways in which humans can use the ocean's resources.			
b)	 (i)	[2] How might the extraction of oil from under the sea lead to pollution and what are the effects of the pollution?		
	(ii)	[3] How might this pollution be controlled?		
	(")			
c)	Sev	[1] wage also causes marine pollution.		
	(i)	How does sewage get into the sea from towns inland?		
	(11)	[1]		
	(ii)	Describe the effects of sewage in the sea.		
		[3]		



www.papaCambridge.com The age structure of populations also changes over time. Look at the population (b) (i) pyramids A and B. One shows a developed country and the other shows a developed country. Write on the line below each diagram developing OR developed.



(**ii**) Compare the age structure of the populations.

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 	[4]

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