		ANNA Dattac
	UNIVERSITY OF CAMBRIDGE INTERNATIONAL EXAMINATION International General Certificate of Secondary Education	STA.
CANDIDATE NAME		
CENTRE NUMBER	CANDIDATE NUMBER	
ENVIRONMEN	ITAL MANAGEMENT	0680/02
Paper 2		May/June 2008 1 hour 45 minutes
2		

Additional Materials: Ruler

4

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 Exam	iner's Use
1	
2	
Total	

This document consists of 17 printed pages and 3 blank pages.



World Ocean Fisheries

(a) Look at the world map showing the main and other important ocean fishing area

1

2



.....[3] (ii) State one similarity and one difference between the locations of the main and other important fishing areas. Similarity Difference

.....[2]

		4
		3 ee factors to explain the locations of major ocean fisheries are listed below. wide continental shelf presence of ocean currents densely populated coastal areas nearby
(b)	Thr	ee factors to explain the locations of major ocean fisheries are listed below.
	•	wide continental shelf
	•	presence of ocean currents
	•	densely populated coastal areas nearby
	(i)	How many of these factors are natural (physical) factors?
		[1]
	(ii)	Choose two of the factors. For each one, explain its importance for major ocean fisheries.
		Name of factor
		Name of factor
		[4]



(ii) Describe the evidence from the graph which suggests overfishing.

			_	MAN D	
(d) Sor	ne of the hum	nan causes of overfishing	5 g are shown in the	e spider diagram.	Examiner's Use
Larger s fishing b	ize	Human cause of overfishing	es	High technology for locating shoals of fish	For Examiner's Use
Bigger in use	nets			Refrigerated factory ships	
(i)	Briefly descr	ribe how each one contri	butes to overfishi	ng.	
(ii)	In your view,	, which one is contributin		hing? Explain why.	.[4]
					.[2]

(e) In some ocean fishing areas, fish catches are reduced by natural causes. This h off the coast of Peru in El Nino years.



	4777	
	7	For Examiner's
(iii)	Explain why there are fewer fish off the coast of Peru in El Nino years.	Use
		bridge
		Se.C.
		177
	[2]	



	Mary D	- For
	9	Examiner's
(ii)	9 Do El Nino years have an effect on the size of fish catches in Peru? Support	Use
		20
		S.C.
		13
		-
	[4]	
(iii)	Is there any evidence, from the graph of fish catches, for overfishing in Peru during the 1990s? Explain your answer.	
	[2]	

(g) (i) Draw another spider diagram to show three strategies for the sustainable harvesting of ocean fisheries and reducing overfishing.

	they want they w
	10
(ii)	10 Are these strategies for the sustainable harvesting of ocean fisheries difficult to carry out? Explain your views on this.
	[5]
	[Total: 40]



www.papacambildge.com (iv) Draw a labelled diagram to show how wind speed is measured in a station.

[3]

(b) Look at the table of climate data for two weather stations in Africa north of the Equator.

Station A

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Temperature (°C)	16	19	23	28	31	34	34	34	33	30	24	19
Precipitation (mm)	0	0	0	0	0	0	0	0	0	0	0	0

Station **B**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Temperature (°C)	22	24	28	31	29	29	27	25	26	27	25	21
Precipitation (mm)	0	0	3	10	69	117	206	310	142	13	0	0

(i) Complete the table below for Station A.

	Station A	Station B
Highest monthly temperature (°C)		31
Lowest monthly temperature (°C)		21
Annual range of temperature (°C)		10
Precipitation during the year		wet and dry season

12

[3]

	422
	13
(ii)	When is the wet season at Station B?
(iii)	13 When is the wet season at Station B? Major climatic types in Africa
	Equatorial Savanna Desert
	Name the type of climate at Station A and at Station B.
	Station A
	Station B[1]
iv)	State one reason for each of the choices made in part (iii).
	Station A
	Station B
	[2]

		12
		14
(c)	Mar allo	by parts of Africa are too dry for cultivation for part or all of the year. Four op we farming in dry areas are listed below.
	1 2 3 4	14 by parts of Africa are too dry for cultivation for part or all of the year. Four op w farming in dry areas are listed below. Practise extensive livestock farming Plant new varieties of crops Government builds large dams, reservoirs and irrigation canals Use underground water supplies for trickle drip irrigation
	(i)	For three of the options, state one advantage and one disadvantage of each for farming in dry areas.
		Option number
		Option number
		Option number
		[6]
	(ii)	In your view, which one of the four options is the most sustainable for farming in dry areas? Explain your choice.
		[3]

		12
		15 ³¹ , D
(d)	(i)	Name one area where desertification is a major problem.
	(ii)	15 Name one area where desertification is a major problem. There are both physical and human causes of desertification. Explain this statement.
		[3]
	(iii)	Which is more important as a cause of desertification – human or physical factors? Explain your view.
		[2]
(e)		ig cities located in dry climates, such as Los Angeles, atmospheric pollution is a big plem.
	(i)	State two reasons why atmospheric pollution from traffic and industry is often worse in places with a dry climate.
		[2]

		16	
(ii)	Los Angeles		
Number of days with a	atmospheric pollutio	n worse than rec	
	Year	Number of days	
	1975	210	
	1980	170	
	1985	160	
	1990	130	
	1995	95	
	2000	45	

In the space below, draw a graph to show these values.



	424	
	17 ⁷⁴ .D	For aminer's
(iii)	Describe the trend from 1975 to 2000.	Use
	Non Alexandree	70.
(iv)	17 Describe the trend from 1975 to 2000. Where are strategies for reducing traffic emissions likely to be more effective – in developed world cities like Los Angeles, or in developing world cities like Cairo and Beijing?	0.
	Explain your answer as fully as you can.	
	[4]	

[Total: 40]



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