	ANNA, Dabac	
	NATIONAL EXAMINATIONS	Abridge.
	CANDIDATE NUMBER	
TAL MANAGEMENT	0680)/21
	May/June 2	
	1 hour 45 minu	ites
		TAL MANAGEMENT 0680 May/June 2

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 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.



www.papaCambridge.com 2 (a) Look at the world map showing the distribution of hot deserts. Tropic of Cancer Equator Tropic of Capricorn C. Cairo hot desert R• Riyadh cold ocean currents Name the continent with the largest area of hot desert. (i)[1] (ii) Use the map to suggest why the hot desert area is larger in this continent than in the others.[1] All the ocean currents shown on the map are cold. How can you work this out from (iii) the map?[1] In El Nino years, how and why does the desert climate change along the coast of (iv) Peru? _____[2] Apart from the ocean currents, state two similarities of the location of hot deserts in (v) the different continents.

	Climat	te dat	a – te	mper	ature	and p	precip	itatio	n			Dana Co
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ro, Egypt	13	15	18	21	25	28	29	29	26	24	20	15
cipitation (mm)	5	5	5	3	3	0	0	0	0	0	3	5
adh, Saudi Arabia		_			_			_	_			
perature (°C)	15	16	21	25	30	34	34	33	31	25	21	15
cipitation (mm)	3	20	23	25	10	0	0	0	0	0	0	0
(ii) State the places.												
(iii) Plants do n Explain hov			•									[3] e.



.....[2]

(d) Read the passage below about the traditional way of life of the Bedouin pe Arabia.

www.papaCambridge.com The Bedouin wander the desert with herds of camels, sheep and goats. They are forced to move in search of new pasture for their animals. They move along routes across the desert which they have followed for centuries; these are controlled by the availability of water.

Of all the animals, the camel is considered the most valuable. The Bedouin make use of its milk, hide, hair and meat. Most importantly the camel is a beast of burden, the transport of the desert.

The camel is well adapted to desert conditions. Its hump made up of fat is a store of food. Its height keeps its head up above the normal height of wind-blown sand. Its broad feet allow it to walk better than any humans through sand.

The Bedouin exchange their animal products for food, such as wheat and dates, grown by oasis dwellers. They are traders as well as animal herders. In the southern part of Arabia a great network of trade routes grew up for the spice trade.

Today the Bedouin's traditional way of life is under threat, as Saudi Arabia and its neighbours have grown rich with oil extraction. Oil pipelines now cut across traditional lines of Bedouin movement. Urban settlements are expanding into the desert as are new areas of irrigation for food supply for the cities. Other types of work are now available at the oil wells and in the refineries. Some Bedouin are being attracted towards the cities, especially the young. Bedouin, who try to maintain traditional ways of living, no longer have the large empty areas through which to roam. Everything now favours settled agriculture rather than nomadic animal farming.

The traditional type of Bedouin agriculture is known as pastoral nomadism. State (i) the evidence from the passage for this type of agriculture.

	[2]
(ii)	Give two different reasons why the Bedouin rely more on their camels than any of their other animals.
	[2]

www.papaCambridge.com The traditional Bedouin way of life was an example of sustainable living. (iii) how and why.[3] (iv) Changes are now taking place in Arabia resulting from the discovery and extraction of oil. Describe some of the economic and likely social effects on the Bedouin people.[4]

www.papaCambridge.com 7 (e) Desertification is happening around the edges of many hot desert areas in Africa Asia. Look at the flow diagram of causes of desertification below. population growth Ŷ higher demand for food ſ ſ increased soil erosion Ţ desertification (i) Complete the diagram by filling in the space between higher demand for food and increased soil erosion. [1] Which factor in the diagram is the most important in causing desertification? (ii) Explain your answer.[2] (iii) Explain why only slow progress is being made to reduce rates of population growth in many developing countries in Africa and elsewhere.[5]



(i)	9 Explain how coal is formed.	
		bride
		Com
	[3]	
(ii)	State two reasons why coal is called a fossil fuel.	
	[2]	
(iii)	Why is carbon dioxide released into the atmosphere when coal is burnt?	
	[2]	



	12
	11 · · · · · · · · · · · · · · · · · ·
(iii)	11 How do the values for 2007 show the great importance of fossil fuels hereinergy supply?
	[3]
	scribe the advantages of oil over coal for
(i)	extraction from the ground,
(ii)	transporting to place of use,
(11)	נומווסטינוווש נט טומכי,
(iii)	ease of use.
	[6]



 13

 (iii)
 State the environmental damage caused by coal fired power stations.

 [2]

 (iv)
 Explain why the air pollution that results is both a local and an international problem.

 [3]

(e)

World top 10 producers of nuclear power (2007)

(million tonnes of oil equivalent for energy produced)

Rank	Country	Amount	Continent
1	USA	192	North America
2	France	100	Europe
3	Japan	63	Asia
4	Russia	36	Europe / Asia
5	South Korea	32	Asia
6	Germany	31	Europe
7	Canada	21	North America
8	Ukraine	20	Europe
9	Sweden	15	Europe
10	China	14	Asia

Source BP Statistical Review of World Energy June 2008

(i) Describe what the table shows about the world distribution of nuclear power production. (You should refer to continents without nuclear power production as well as those with production).

[3]

(ii) Which are the stronger - arguments for more use of nuclear power, or arguments against more nuclear power use?

14 Which are the stronger – arguments for more use of nuclear power, or arg against more nuclear power use? State the arguments for and against more nuclear power use, and explain your view.	
Which are the stronger – arguments for more use of nuclear power, or arg against more nuclear power use?	8.
State the arguments for and against more nuclear power use, and explain your view.	Idge con
[5]	

[Total: 40]



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