

Section A
Answer BOTH questions in this section.
Write your answers in the spaces provided.

Providing for population change

A1 (a) Resources can be **renewable** or **non-renewable**.
 The table below lists a number of energy resources.

Place a tick (✓) in the correct boxes to show the renewable and the non-renewable resources.

Energy Resource	Renewable	Non-renewable
Coal		
Solar Energy		
Hydro Electricity		
Natural Gas		
Wind		
Tidal		
Biogas		
Oil		

(4)

(b) Name **two** energy resources given in the table which can be used for thermal energy production.

1.....

2.....

(1)



Leave
blank

(c) Describe the effects that thermal energy production can have **on the environment**.

.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....

(3)

(d) Some people say that in the future there may not be enough energy resources for the increasing population.

Other people disagree.

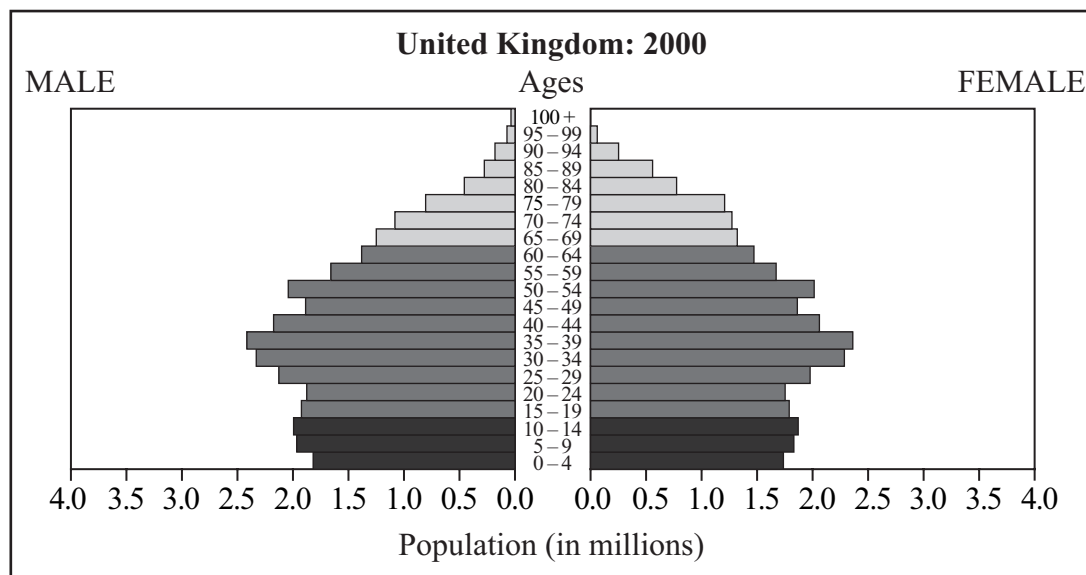
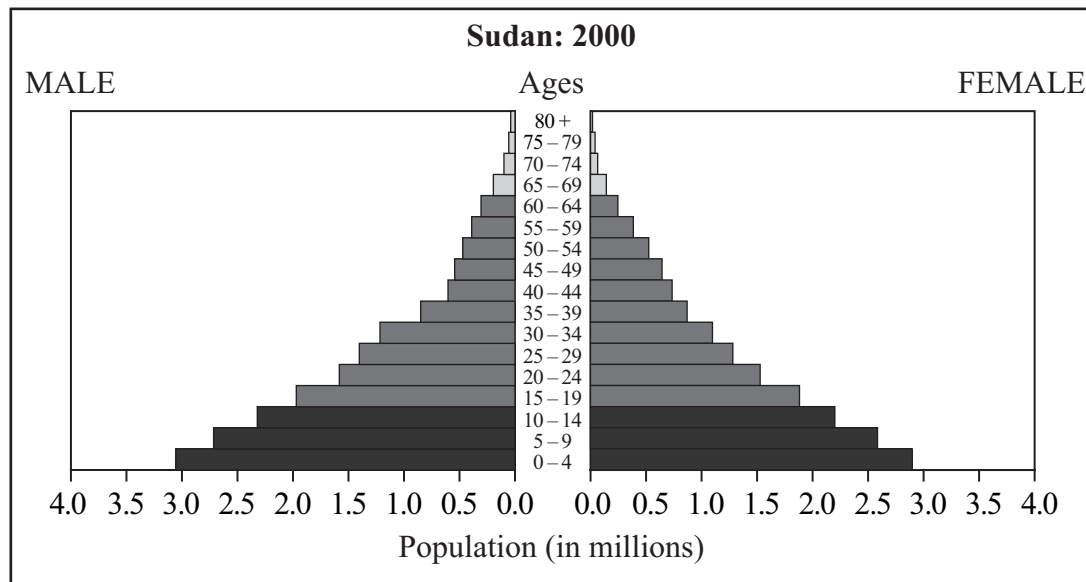
Why do they disagree?

.....
.....
.....
.....
.....
.....
.....

(2)



(e) Study Figure 1. It shows the population structures for Sudan (Africa) and the United Kingdom in 2000.



(Source: US Census Bureau, International Data Base)

Figure 1

(i) Name the type of population structure graph shown in Figure 1.

.....

(1)

(ii) Which age group was the largest in Sudan in 2000?

.....

(1)



(iii) Which age group was the largest in the UK in 2000?

.....

(1)

(iv) **Why** do these two countries have different population structures?

.....
.....
.....
.....
.....

(2)

(v) What factors might cause population structures to change in the future?

.....
.....
.....
.....
.....
.....

(3)

(f) Some countries have a high **dependency ratio**.

(i) What is meant by **dependency ratio**?

.....
.....
.....

(2)

(ii) Sudan has a high dependency ratio.
How does Figure 1 show this?

.....
.....
.....

(2)



Planning for change

A2 (a) Study Figure 2. It shows employment in primary, secondary and tertiary activities for Sudan and the UK in 2000.

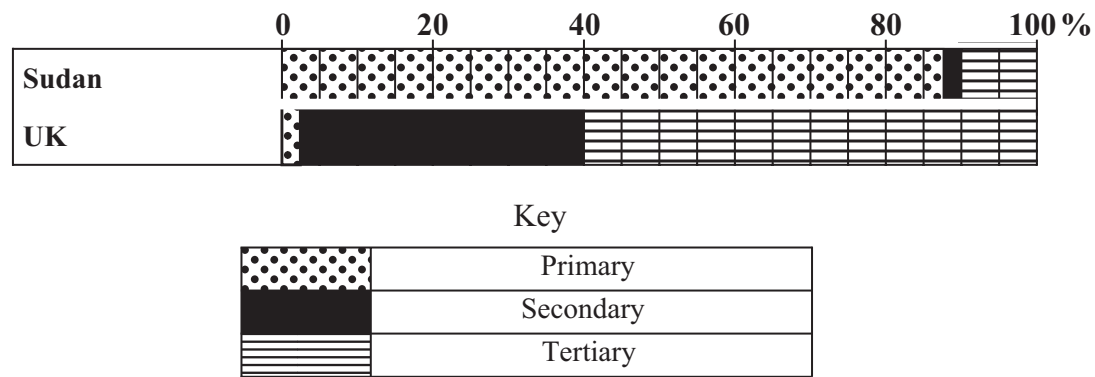


Figure 2

(i) What is meant by **primary** employment?

.....
 (1)

Give an example of primary employment.

..... (1)

(ii) What is meant by **secondary** employment?

..... (1)

Give an example of secondary employment.

..... (1)

(iii) What percentage of workers were employed in the **primary** sector in Sudan in 2000?

..... (1)

(iv) What percentage of workers were employed in the **tertiary** sector in the UK in 2000?

..... (1)



Leave
blank

(v) In 1800, the percentage of workers employed in the primary sector in the UK was over 70%.

This percentage has fallen over the last 200 years.
Suggest **why**.

.....
.....
.....
.....
.....
.....

(3)

(b) Study the 1:50,000 Ordnance Survey (OS) map of Stratford-upon-Avon and Warwick.

(i) The Central Business District (CBD) of Stratford-upon-Avon is located in the area around its tourist information centre.

Give the **six figure** grid reference of Stratford-upon-Avon's tourist information centre.

.....

(1)

(ii) There is also a tourist information centre in Warwick. It is in grid square 2864.

In which compass direction is Warwick's tourist information centre from Stratford-upon-Avon's tourist information centre?

.....

(1)



Leave
blank

(c) Stratford-upon-Avon is a residential town. It is also an important area for tourists. It has a variety of transport problems.

(i) What transport problems might Stratford-upon-Avon have?
Use evidence from the OS map in your answer.

.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....

(4)

(ii) State and explain **one** way in which transport problems are being managed in Stratford-upon-Avon.
Use evidence from the OS map in your answer.

.....
.....
.....
.....
.....
.....
.....
.....
.....

(3)



Section B
Answer EITHER Question B3 OR Question B4.
Write your answers in the spaces provided.

If you answer Question B3 put a cross in this box .

Use and abuse of the environment (Water)

B3 (a) Study Photographs A and B in the Photograph Booklet.
They show two different ways people use water.

(i) **Complete the table** below to show the way people use water in Photographs A and B.

Choose from the following uses:

industry

recreation

Photograph	Type of water use
A	
B	

(1)

(ii) Explain the ways in which water is being used in the photographs.

.....

.....

.....

.....

.....

.....

.....

.....

.....

(3)



Leave
blank

(b) The amount of water used per person in **LEDCs** is low.

Explain why.

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

(3)

(c) The amount of water used in **MEDCs** is **increasing**.

Explain why.

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

(3)



(d) Study Photograph C in the Photograph Booklet.

The farming activities in this area may pollute water.

(i) Describe **how** the water may become polluted by farming activities.

.....
.....
.....
.....

(2)

(ii) Explain the possible effects of this pollution.

.....
.....
.....
.....
.....
.....

(2)

(e) Large scale river management schemes are used to improve water supply. These schemes often involve the building of a dam and reservoir.

Explain the physical and human factors that people need to consider when choosing the site for a large dam and reservoir.

Physical Factors

.....
.....
.....
.....
.....
.....
.....



Leave
blank

Human Factors

(6)

QB3

(Total 20 marks)



Leave blank

If you answer Question B4 put a cross in this box ☒.

Use and abuse of the environment (Weather and Climate)

B4 (a) Study Photographs D, E and F in the Photograph Booklet.
They show three areas where people can use the weather and climate as a resource.

Name an activity appropriate to each photograph in the table below.

Photograph	Activity
D	
E	
F	

(3)

(b) Look again at Photographs D and E.

What aspects of the **weather and climate** in these areas would encourage people to use them?

Photograph D

.....

.....

.....

Photograph E

.....

.....

.....

(4)



Leave
blank

(c) Farmers make deliberate attempts to influence the effects of the weather.

Explain **two** ways they do this.

1

.....

.....

.....

2

.....

.....

.....

(4)

(d) Global warming could have a variety of bad effects.

What can people do to reduce the risk of global warming?

.....

.....

.....

.....

.....

.....

.....

.....

.....

(3)



Section C
Answer EITHER Question C5 OR Question C6.
Write your answers in the spaces provided.

If you answer Question C5 put a cross in this box .

Use and abuse of the environment (Farming)

C5 (a) Study the 1:50,000 Ordnance Survey (OS) map of Stratford-upon-Avon and Warwick.

Find Hollow Meadow (grid reference 210588).

(i) What type of farming activity takes place around Hollow Meadow?

..... (1)

(ii) The farmer at Hollow Meadow sells some of his crop to the hotel at Longbridge (grid square 2662).

What is the distance from Hollow Meadow to the hotel along the A46?
Put a cross in the correct box.

about 8 km **about 10 km** **about 15 km** (1)

(iii) The farm at Hollow Meadow is an **agribusiness**.
What does this mean?

.....
..... (1)

(b) Most of the farms in the area between Stratford-upon-Avon and Warwick use modern farming methods. Some of these methods are listed below:

hedgerow removal using chemical pesticides land drainage

Choose **two** of these methods.
Explain the effects that each method can have **on the environment**.

Chosen method 1:

Effect on the environment:

.....
.....
.....
.....



Chosen method 2:

Effect on the environment:

.....
.....
.....
.....

(4)

(c) Study Figure 3.
It is a diagram showing the process of desertification.

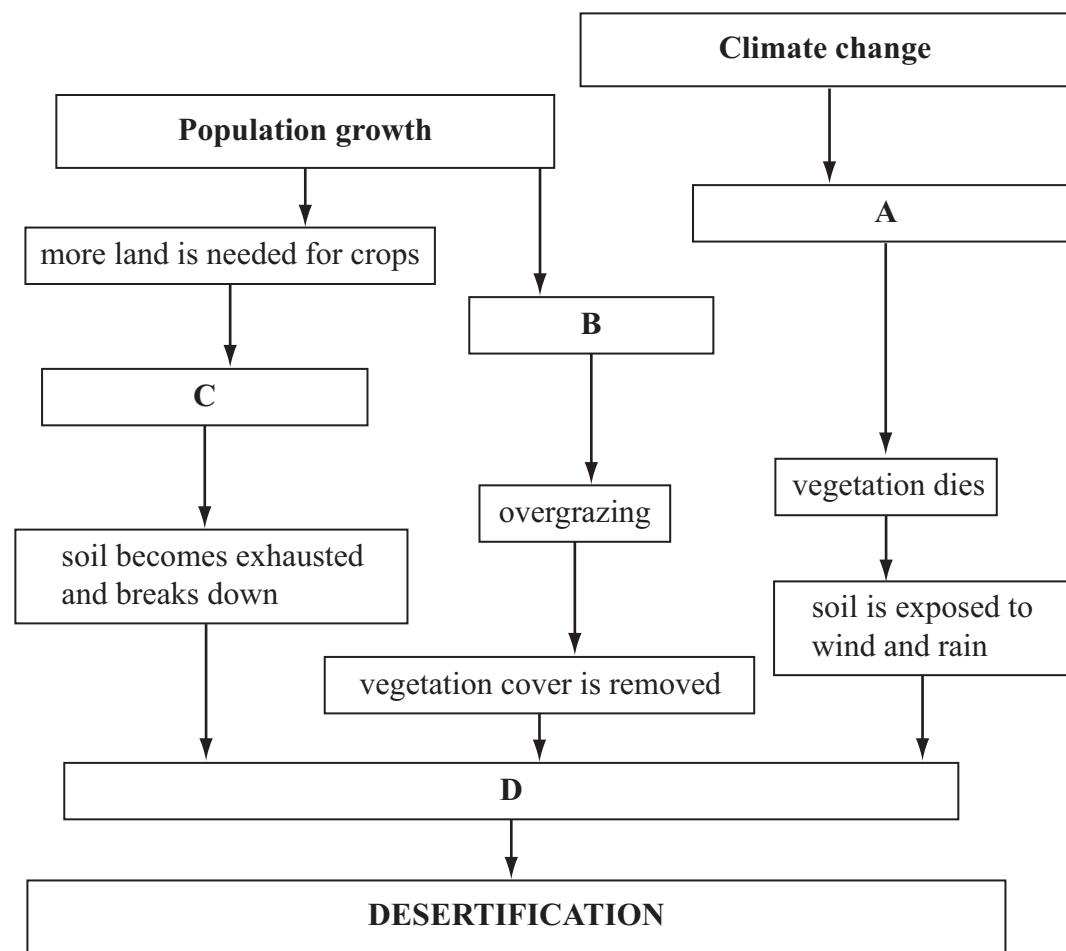


Figure 3



- (i) The four boxes labelled A to D should contain the words or phrases in the table below. Place the letters **A**, **B**, **C** and **D** in the second column of the table to indicate the correct word or phrase for each box on the diagram.

	A, B, C or D
overcultivation	
more animals are reared	
soil erosion	
less rainfall and more droughts	

(4)

- (ii) Overcultivation and overgrazing are both problems. Choose **one** of these.

Chosen problem

What can be done to reduce its effects?

.....
.....
.....
.....
.....
.....
.....
.....

(3)



Leave
blank

If you answer Question C6 put a cross in this box ☒.

Use and abuse of the environment (Recreation and Tourism)

C6 (a) Study the 1:50,000 Ordnance Survey (OS) map of Stratford-upon-Avon and Warwick.

Find grid reference 260565.

Which organisation owns the park land in this area?

.....

(1)

(b) Warwick is a tourist **honeypot**.

(i) What is meant by the term tourist **honeypot**?

.....

.....

(1)

(ii) Explain why Warwick is a tourist honeypot.

Use map evidence in your answer.

.....

.....

.....

.....

.....

(2)



(c) More tourists are now visiting Warwick and the surrounding area than in the past. Suggest **two** reasons why.

Reason 1:

.....

.....

.....

.....

Reason 2:

.....

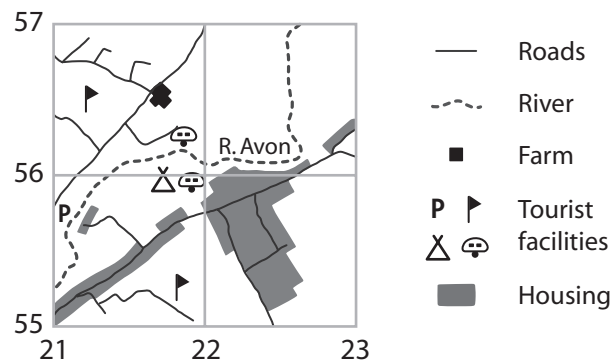
.....

.....

.....

(4)

(d) Conflicts can occur between tourists and the local people. Study the sketch map below of part of the OS map near Stratford-upon-Avon.



Describe **two** possible conflicts which could occur in this area.

.....

.....

.....

.....

.....

(2)



(e) Study Figure 4.
It is a diagram showing the impacts of eco-tourism.

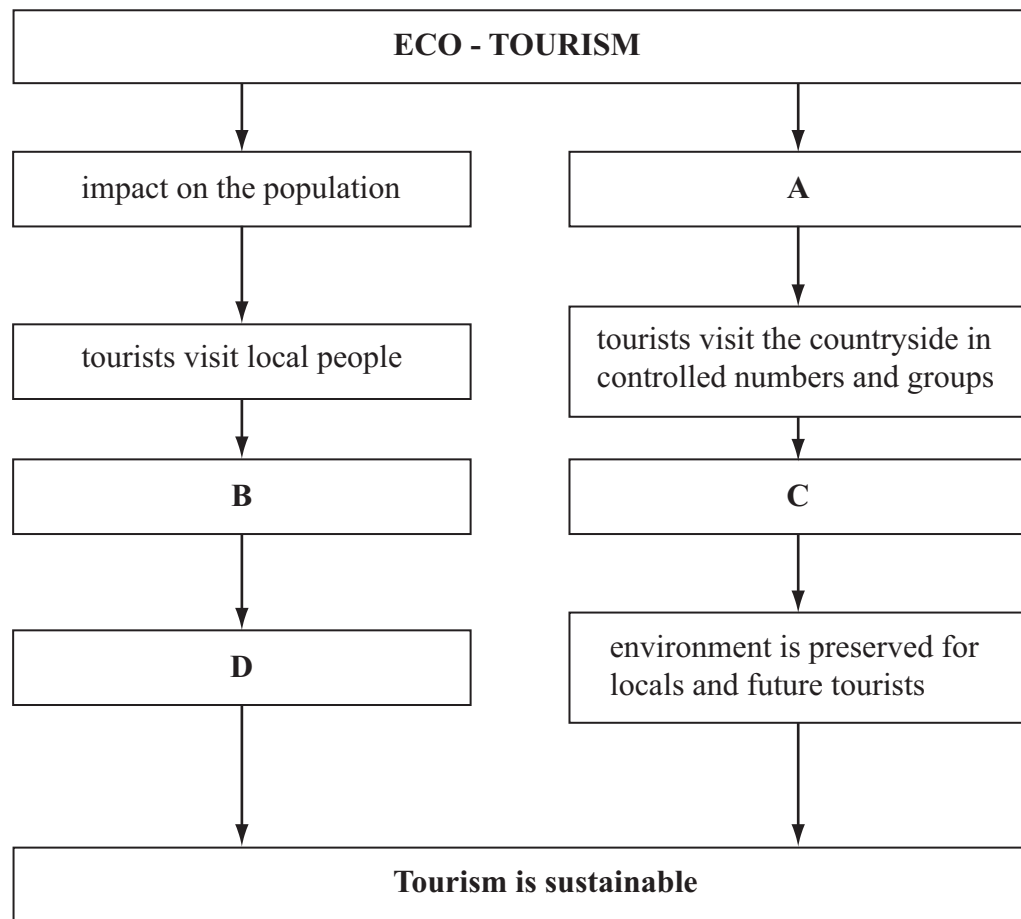


Figure 4

The four boxes labelled A to D should contain the phrases in the table below. Place the letters **A**, **B**, **C** and **D** in the second column of the table to indicate the correct phrase for each box on the diagram.

	A, B, C or D
wildlife and vegetation is protected from damage	
impact on the environment	
local people gain an income so do not need to take advantage of the environment	
local people provide accommodation for tourists	

(4)



M 3 1 2 2 6 A 0 2 7 2 8

