

Surname						Other Names					
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General Certificate of Secondary Education
June 2004

GEOGRAPHY (SPECIFICATION A)
Foundation Tier
Short Course

3036/F



F

Monday 7 June 2004 9.00 am to 10.30 am

In addition to this paper you will require:

- the Ordnance Survey map extract (enclosed);
- the insert (enclosed).

You may use a calculator.

Time allowed: 1 hour 30 minutes

Instructions

- Use blue or black ink or ball-point pen for written answers.
You may use pencil for maps, diagrams and graphs.
- Fill in the boxes at the top of this page.

- **SECTION A** – **Skills**
Answer **ALL** questions
- **SECTION B** – Answer **TWO** questions only
- **SECTION C** – Answer **ONE** question only

- Do all rough work in this book. Cross through any work you do not want marked.
- If you need extra paper, use the Supplementary Answer Sheets.

Information

- The maximum mark for this paper is 70.
- Mark allocations are shown in brackets.
- You will be assessed on your ability to:
 - present relevant information in a form and style that suits its purpose;
 - ensure that text is legible and that spelling, punctuation and grammar are accurate;
 - use specialist vocabulary where appropriate.
- LEDC is a Less Economically Developed Country.
- MEDC is a More Economically Developed Country.

For Examiner's Use			
Number	Mark	Number	Mark
1			
2			
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Total (Column 1) →			
Total (Column 2) →			
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Examiner's Initials			

3036/F

SECTION AAnswer **ALL** questions.**1****Total for this question: 9 marks**(a) Study **Figure 1**, the Ordnance Survey map extract of Darlington in north east England.(i) Tick the correct box for each statement to show if it is **true** or **false**.

	True	False
The A1(M) motorway is located east of Darlington.	<input type="checkbox"/>	<input type="checkbox"/>
The River Skerne, named in grid square 3118, flows south through Darlington.	<input type="checkbox"/>	<input type="checkbox"/>
The principal railway station is mostly located in grid square 2914.	<input type="checkbox"/>	<input type="checkbox"/>

(3 marks)

(ii) What is the distance by rail from Dinsdale railway station in grid square 3413 to the principal railway station in Darlington?

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(2 marks)

(iii) Describe the land uses and other features in grid square 2613.

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(4 marks)

NO QUESTIONS APPEAR ON THIS PAGE

TURN OVER FOR THE NEXT QUESTION

Turn over ►

2**Total for this question: 6 marks**

Study **Figure 2**, a street atlas extract of Darlington, and **Figure 3**, on the insert, an aerial photograph of part of the central area of Darlington.

Figure 2 Street map of Darlington, Crown Copyright. Has not been reproduced here due to third-party copyright constraints.

The road marked X on **Figure 3** is St Cuthbert's.

- (a) (i) Name the road marked Y on **Figure 3**.

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(1 mark)

- (ii) In which compass direction was the camera facing when the photograph was taken?

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(1 mark)

- (b) Suggest why square A2 on **Figure 2** is the Central Business District (city centre) of Darlington.

Use evidence from the map and the photograph in your answer.

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(4 marks)

6

TURN OVER FOR THE NEXT QUESTION

Turn over ►

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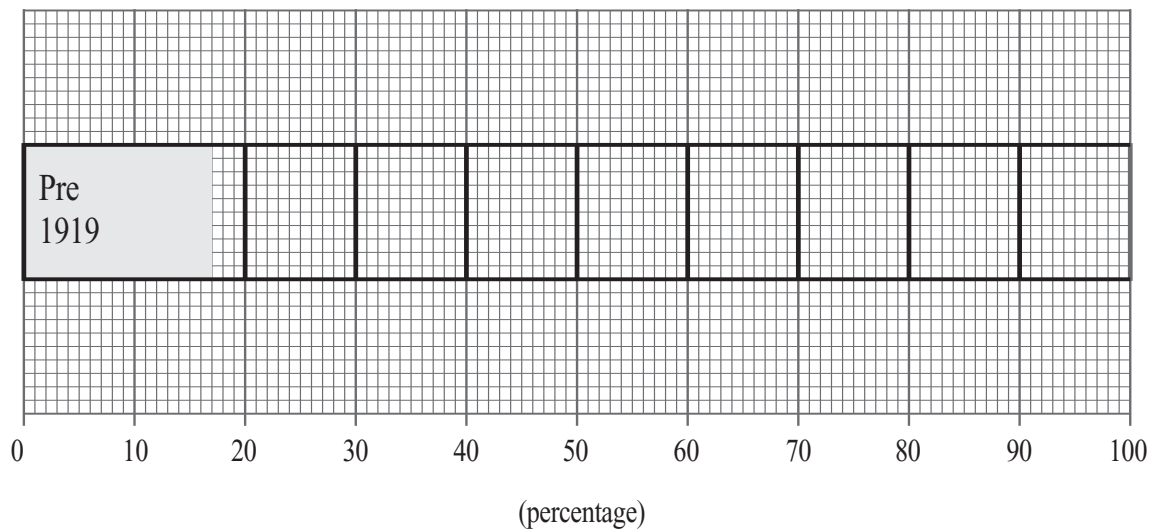
Total for this question: 5 marks

Study **Figure 4**, which shows an age profile of housing in Darlington.

Age of house	Percentage of housing
Pre 1919	17%
1919–1944	27%
1945–1960	14%
1961–1980	21%
1981–2001	21%

Figure 4

- (a) Complete the graph shown in **Figure 5**, using the information in **Figure 4**.
The first one has been done for you.

**Figure 5***(3 marks)*

- (b) What does **Figure 5** suggest about the growth of Darlington?

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(2 marks)

SECTION B

Answer **TWO** questions only from this section.

4 Tectonic Activity**Total for this question: 15 marks**

- (a) Study **Figure 6**, on the insert, which shows the effects of the eruption of Mount St Helens in 1980.

- (i) Using **Figure 6**, give **three** effects of the eruption on the natural environment.

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(3 marks)

- (ii) Using **Figure 6**, explain how the eruption may have affected the local people.

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(4 marks)

Turn over ►

- (b) Mount St Helens is part of the Cascade Range of young fold mountains. Complete the sentences below to explain how fold mountains are formed. Choose the correct words from the list.

eroded	sandstone	apart	plate boundaries
together	deposited	ocean ridges	granite

Fold mountains are formed along Over millions

of years, thick sediments were in huge depressions.

The sediments were compressed into solid rocks such as

The plates moved , forcing the rocks upwards into fold mountains.

(4 marks)

- (c) Describe the human activities in an area of young fold mountains that you have studied.

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(4 marks)

NO QUESTIONS APPEAR ON THIS PAGE

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5 River Landscapes and Processes**Total for this question: 15 marks**

Study **Figure 7**, which shows the formation of an ox-bow lake.

Figure 7 Formation of ox-bow lake. Has not been reproduced here due to third-party copyright constraints.

- (a) Using the labels on **Figure 7**, complete the sentences below to explain how an oxbow lake is formed.

Erosion on the..... of the bend of a meander and deposition on the
inside make the meander wider and the gets narrower. Often
during a flood, the river breaks through, creating a channel and
..... seals off the old meander to form an oxbow lake.

(4 marks)

- (b) Describe the **causes** of a river flood that you have studied.

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(4 marks)

QUESTION 5 CONTINUES ON THE NEXT PAGE

Turn over ►

(c) Study **Figure 8** on the insert, which shows a map of the restoration works on the River Skerne in Darlington.

(i) Using **Figure 8**, give **three** changes that have taken place along this section of the River Skerne.

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(3 marks)

(ii) Explain the advantages that the restoration scheme may bring to the area.

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(4 marks)

6 Glacial Landscapes and Processes**Total for this question: 15 marks**

(a) Study **Figure 9** on the insert, a photograph which shows part of the Lake District.

(i) In the space below, draw a simple sketch of the photograph.



(2 marks)

(ii) On your sketch, correctly label the following features:

corrie and tarn lake

ribbon lake

arête

(3 marks)

Turn over ►

- (iii) Choose **one** of the features in the list in (ii) and explain how it was formed.

Name of feature:.....

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(4 marks)

- (b) Study **Figure 10**, which shows information about the erosion of a footpath in the Lake District.

Figure 10 Has not been reproduced here due to third-party copyright constraints.

- (i) Using **Figure 10**, describe **one** change to the footpath between 1993 and 1995.

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(2 marks)

- (ii) Describe how the problems of footpath erosion may be reduced.

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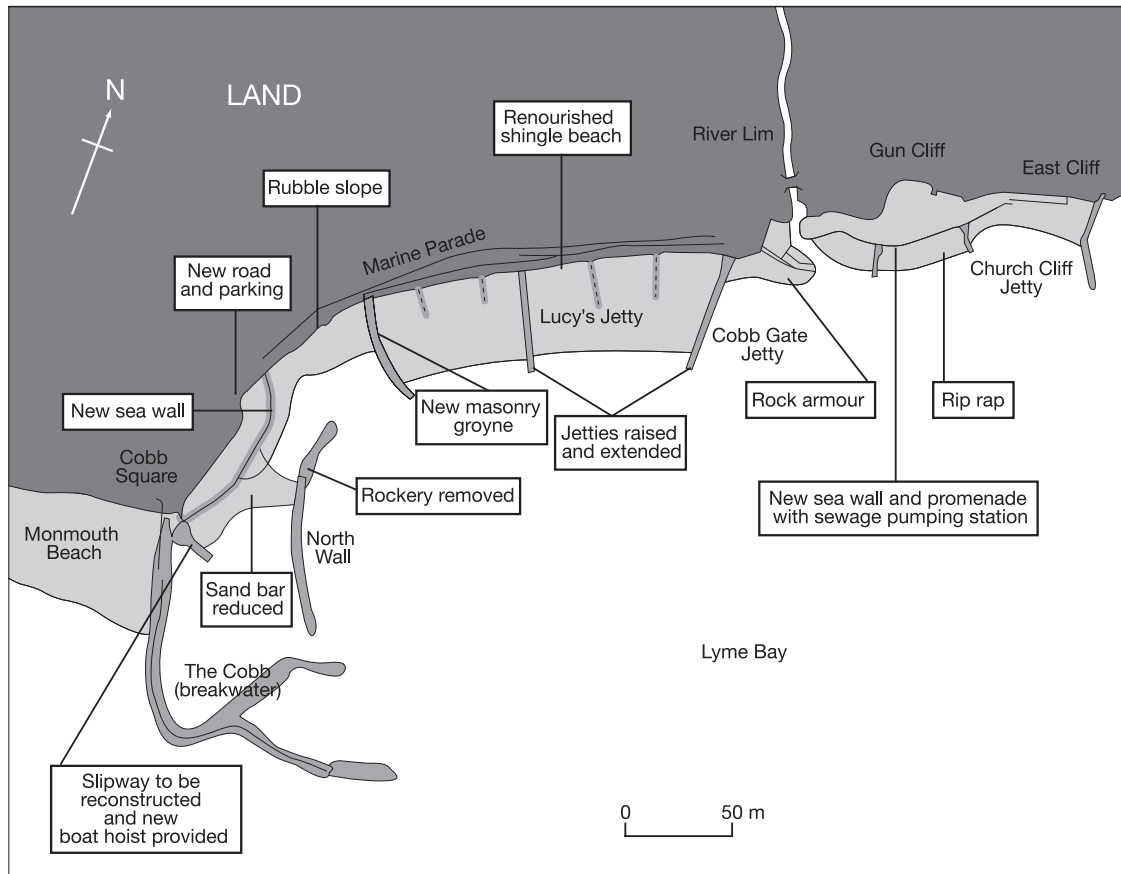
(4 marks)

TURN OVER FOR THE NEXT QUESTION

Turn over ►

7 Coastal Landscapes and Processes**Total for this question: 15 marks**

- (a) Study **Figure 11**, which shows a planned coastal defence scheme for Lyme Regis in Dorset.

**Figure 11**

- (i) Using **Figure 11**, give **three** different ways in which the planned scheme may help to reduce coastal erosion.

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(3 marks)

- (ii) Explain how the scheme in **Figure 11** may benefit tourists visiting the coastline.

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(4 marks)

- (iii) Suggest **one disadvantage** that the scheme may bring.

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(1 mark)

QUESTION 7 CONTINUES ON THE NEXT PAGE

Turn over ►

- (b) Study **Figure 12**, which shows a cross-section of a headland with cliffs and caves.

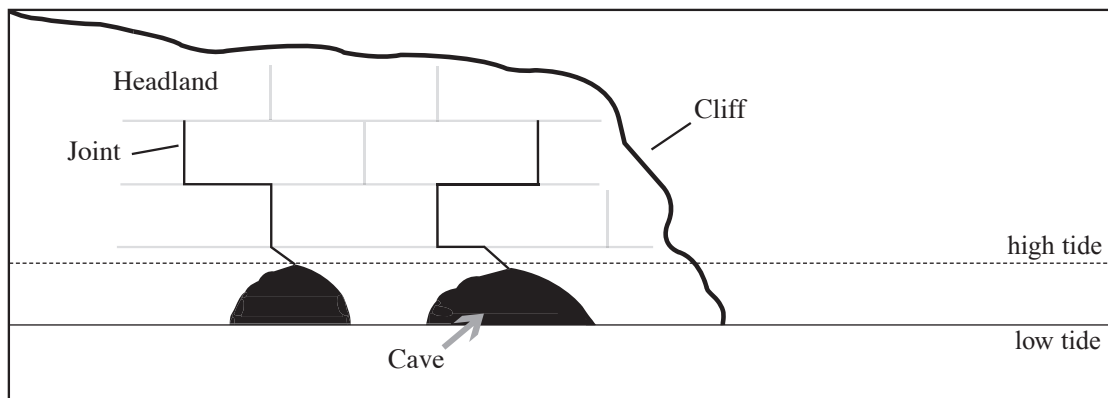


Figure 12

- (i) In the space below, draw and label a diagram(s) to show how a stack may develop at the end of the headland.



(4 marks)

- (ii) Explain how hydraulic power and corrasion will help to create the stack.

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(3 marks)

SECTION C

Answer **one** question, **either** Question 8, **or** Question 9, **or** Question 10.

8 Settlement**Total for this question: 20 marks**

- (a) Study **Figure 13**, which shows a sketch map of Nairobi, an LEDC city.

Figure 13 Has not been reproduced here due to third-party copyright constraints.

- (i) Which sentence best describes the location of shanty towns, A, B, C, D?
Tick **one** box.

They are on the edge of the built up area

☐

They are less than 1 km from the city centre

☐

They are in the Central Business District

☐

(1 mark)

Turn over ►

- (ii) Complete the sentences below to describe some features of shanty towns. Choose the correct words from the list.

planned**unplanned****disease****expensive****food****migrant****wealthy****scrap**

Shanty towns are settlements found in many cities. They

house families who have come from the countryside.

The houses are built out of materials.

The problem of is often made worse by open sewers.

(4 marks)

- (iii) Describe how city planners have tried to reduce the problems of shanty towns.

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(4 marks)

- (b) (i) Study **Figure 14**, which shows a spider diagram containing information about MEDC cities.

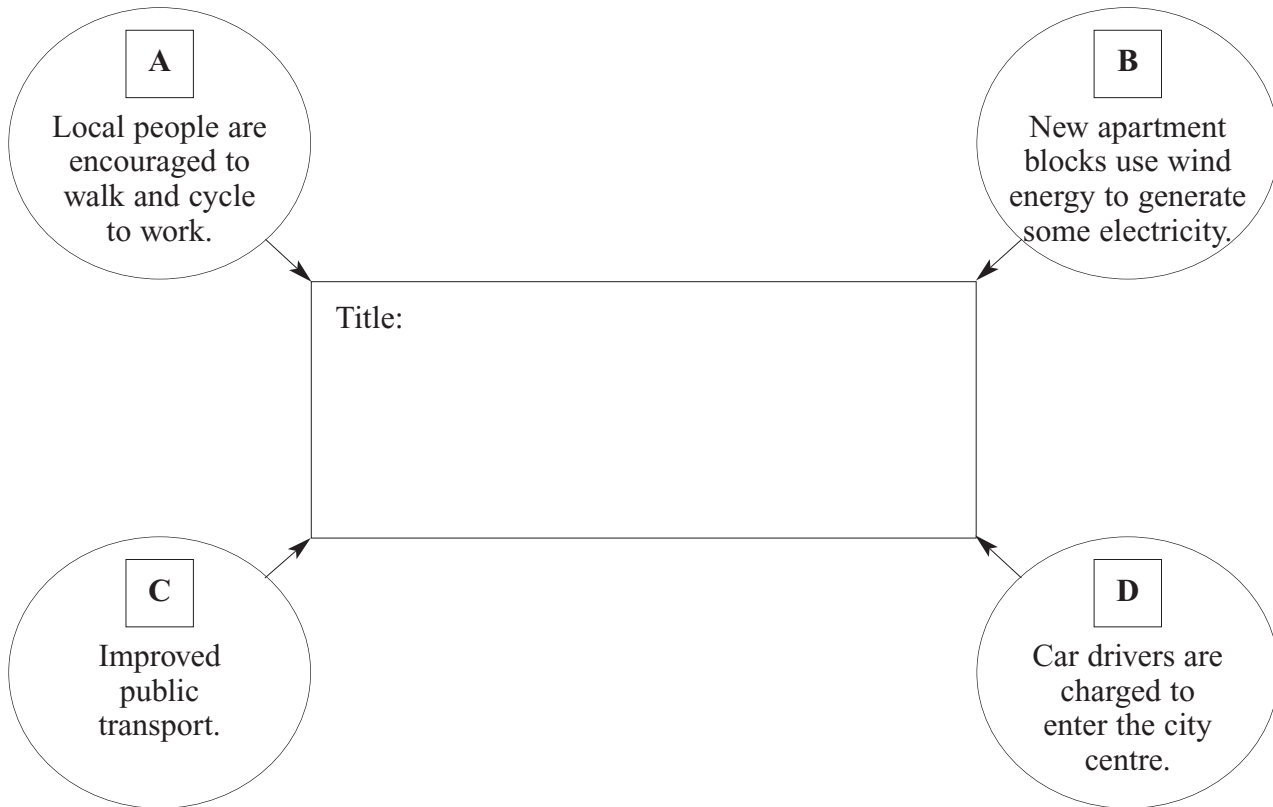


Figure 14

Choose the correct title from the list and write it in the box:

Ways of improving housing in an MEDC city

Ways of reducing pollution in an MEDC city

Ways of reducing urban sprawl in an MEDC city

(1 mark)

- (ii) Choose **one** of the letters given in the circles in **Figure 14**. Explain how the way you have chosen would improve the lives of the people living in cities in MEDCs.

Letter:

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(2 marks)

Turn over ►

- (c) (i) What is meant by the term green belt?

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(2 marks)

- (ii) Which descriptions apply to the rural-urban fringe of an MEDC city?
Tick **two** boxes only.

relatively cheap land	<input type="checkbox"/>
much heavy industry	<input type="checkbox"/>
open spaces for outdoor leisure	<input type="checkbox"/>
expensive land	<input type="checkbox"/>
brownfield sites	<input type="checkbox"/>

(2 marks)

- (iii) Describe the main features of an inner city area you have studied in an MEDC.

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(4 marks)

9 Agriculture**Total for this question: 20 marks**

- (a) Study **Figure 15**, which shows a sketch map of a hill sheep farm in the UK.

Figure 15 Has not been reproduced here due to third-party copyright constraints.

- (i) Which sentence best describes the farm?

Tick **one** box only.

The hay crop is produced on the valley floor.

☐

Hay is the most common land use.

☐

It is in an area with gentle slopes.

☐

(1 mark)

QUESTION 9 CONTINUES ON THE NEXT PAGE

Turn over ►

- (ii) Complete the sentences below about the inputs and outputs of the farm in **Figure 17**. Choose the correct words from the list.

cows	human	improved grazing	high
cereal crops	low	sheep	physical

The factors influencing this farm are the steep slopes and high rainfall. Much of the farm is used for to feed the large numbers of This is an extensive type of farming so outputs are quite per hectare.

(4 marks)

- (iii) Describe changes that have taken place in a type of farming in the EU.

Type of farming:

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(4 marks)

(b) Study **Figure 16**, the spider diagram containing information about farming.

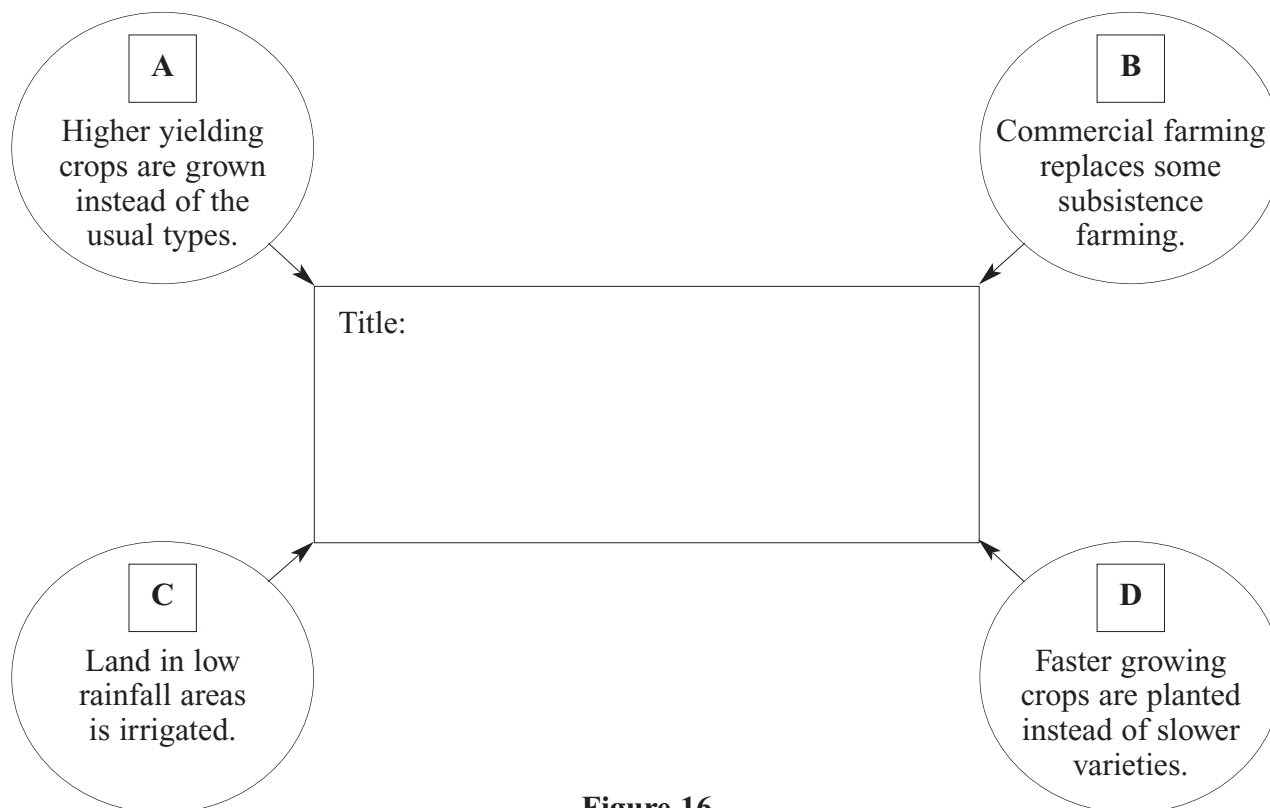


Figure 16

(i) Choose the correct title from the list and write it in the box:

Conservation methods used by farmers in LEDCs

Changes to farming in LEDCs

Types of farming found in LEDCs

(1 mark)

(ii) Choose **one** of the letters given in the circles in **Figure 16**. Explain how the idea you have chosen would improve the lives of farmers in LEDCs.

Letter:

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(2 marks)

Turn over ►

- (c) (i) What is meant by the following terms?

Extensive farming:

.....

Subsistence farming:

.....

(2 marks)

- (ii) Which of the following farming activities help to protect the environment?

Tick **two** boxes only.

hedgerow removal ☐

set aside ☐

using chemical fertilisers ☐

spraying with pesticides ☐

soil conservation ☐

(2 marks)

- (iii) What are the main features of the EU's Common Agricultural Policy (CAP)?

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(4 marks)

10 Managing Resources**Total for this question: 20 marks**

- (a) Study **Figure 17**, which shows a sketch map of part of the Peak District National Park.

Figure 17 Has not been reproduced here due to third-party copyright constraints.

- (i) Which sentence best describes the location of Castleton?
Tick **one** box only.

It is near the boundary of the limestone and the river valley ☐

It is less than 1km from Lose Hill ☐

It is in an area of steep land ☐

(1 mark)

QUESTION 10 CONTINUES ON THE NEXT PAGE

Turn over ►

- (ii) Complete the sentences below about tourism. Choose the correct words from the list.

unemployment

human

coastal

tropical

jobs

improve

physical

damage

Tourism is found in different environments. The limestone scenery is a attraction whereas the village of Castleton with its souvenir shops and tea rooms is a attraction. Large numbers of tourists in one place in a National Park could the environment. Local people in Castleton may benefit from tourism because of the extra created.

(4 marks)

- (b) Describe how green tourism is practised in an area you have studied.

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(4 marks)

(c) Study **Figure 18**, the spider diagram containing information about pollution.

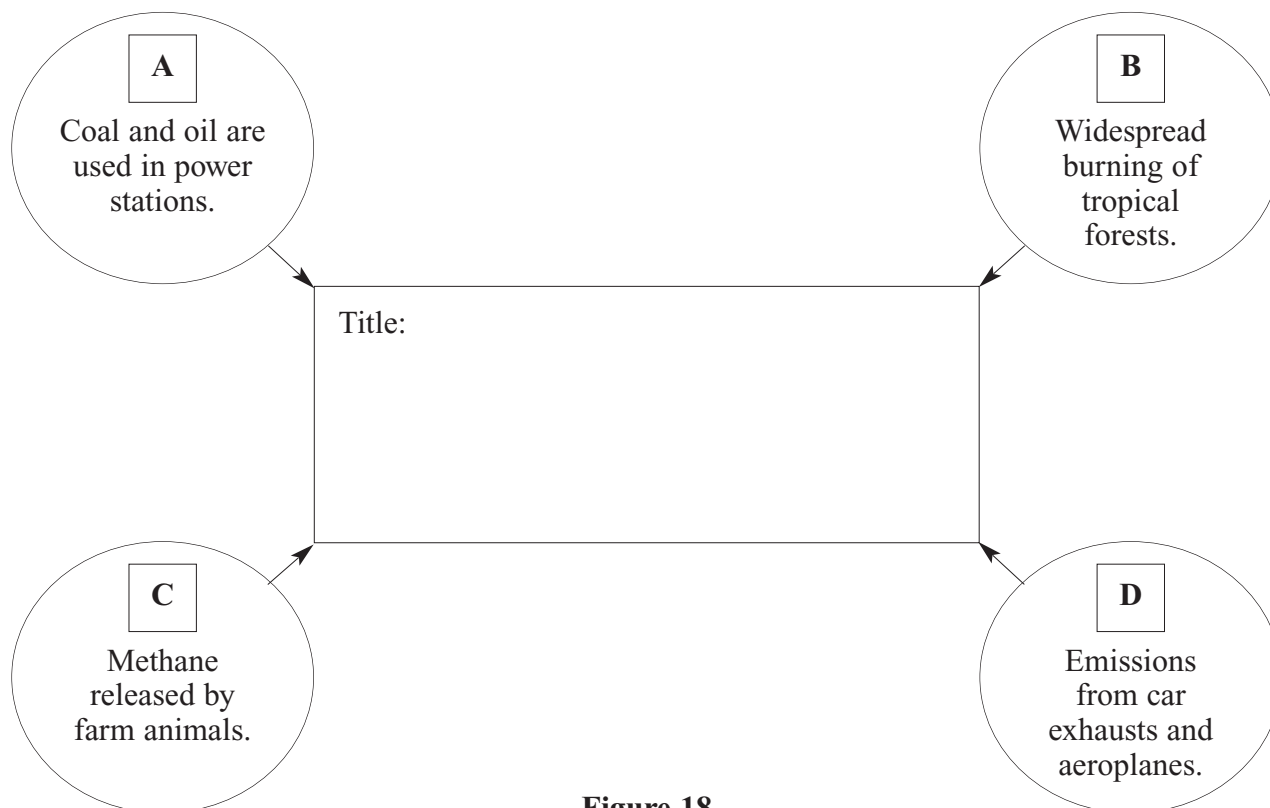


Figure 18

(i) Choose the correct title from the list and write it in the box

Ways of controlling pollution in MEDCs.

How pollution causes global warming.

Pollution caused by non-renewable energy.

(1 mark)

(ii) Choose **one** of the letters given in the circles in **Figure 18**.
Explain how this type of pollution may be reduced.

Letter:

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(2 marks)

Turn over ►

(iii) Which descriptions apply to renewable energy?

Tick **two** boxes only.

It may cause global warming.

☐

It can be used over and over again.

☐

It depends upon fossil fuels.

☐

It can be produced without using coal or oil.

☐

It can be produced only where there is continuous sunshine.

☐

(2 marks)

(iv) Describe the location of a renewable energy scheme you have studied.

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(2 marks)

(v) What are the **disadvantages** of renewable energy?

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(4 marks)

END OF QUESTIONS

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Question 5: Figure 8: www.aecw.demon.co.uk/rrc/projects/skerpr

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Question 6: Figure 11: Lake District Footpath Erosion Table by Widdowson, Smith, Knill. Publisher; John Murray Ltd

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