

CANDIDATE
NAME

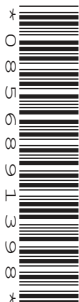
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CENTRE
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GEOGRAPHY

Paper 1

0460/11

May/June 2014

1 hour 45 minutes

Candidates answer on the Question Paper.

Additional Materials: Ruler
 Calculator

READ THESE INSTRUCTIONS FIRST

Write your Centre number, candidate number and name in the spaces provided.

Write in dark blue or black pen.

You may use an HB pencil for any diagrams or graphs.

Do not use staples, paper clips, glue or correction fluid.

DO NOT WRITE IN ANY BARCODES.

Write your answer to each question in the space provided. If additional space is required, you should use the lined page at the end of this booklet. The question number(s) must be clearly shown.

Answer **three** questions.

The Insert contains Photograph A for Question 3, Photograph B for Question 4, and Photographs C, D and E for Question 6.

The Insert is **not** required by the Examiner.

Sketch maps and diagrams should be drawn whenever they serve to illustrate an answer.

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.

The syllabus is approved for use in England, Wales and Northern Ireland as a Cambridge International Level 1/Level 2 Certificate.

This document consists of **25** printed pages, **3** blank pages and **1** Insert.

QUESTION 1

1 (a) Study Fig. 1, which shows the population of four parts of the world in 1960, 2010 and 2060 (projected).

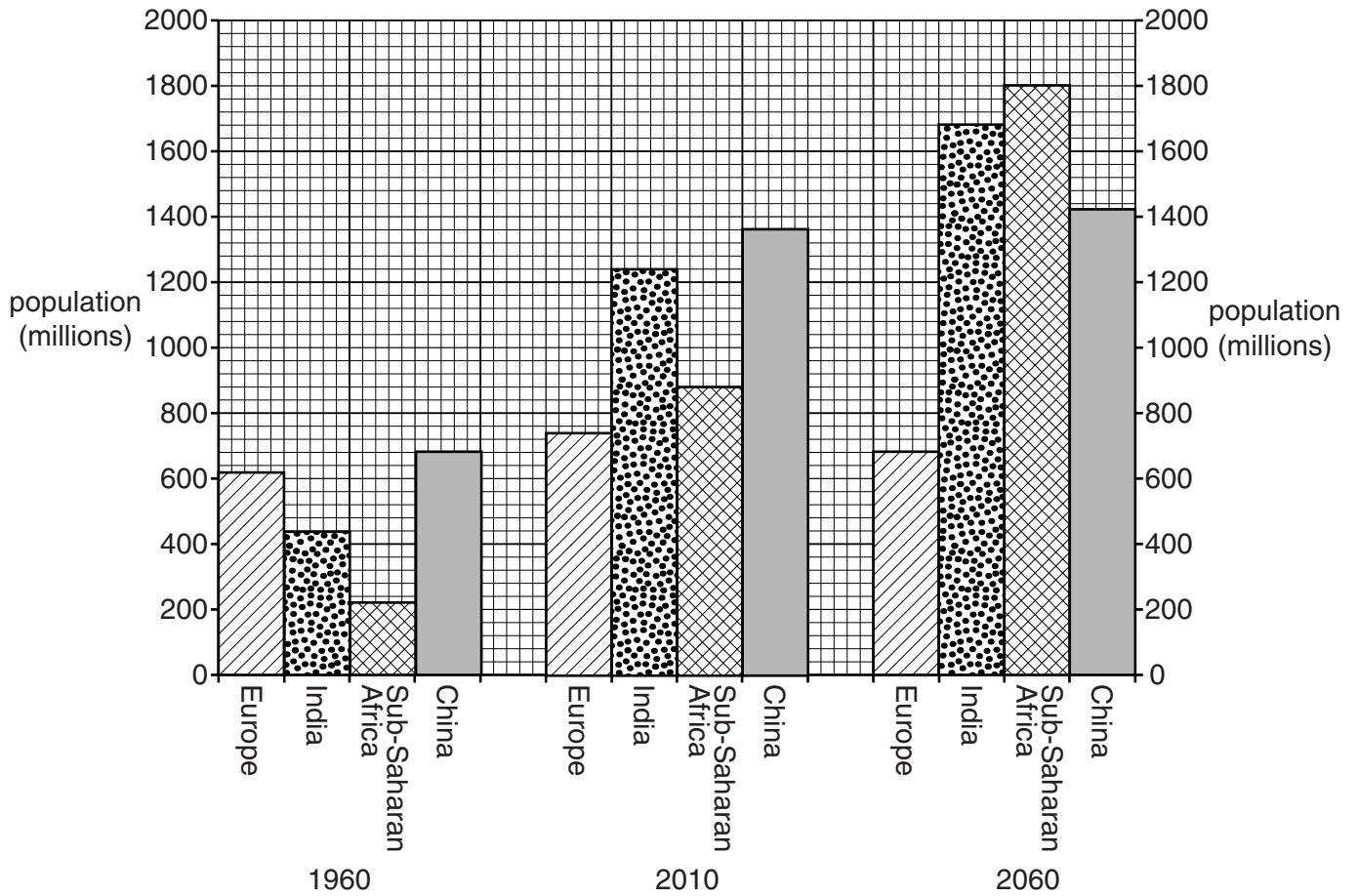


Fig. 1

(i) What was the population of Europe in 1960?

..... million

[1]

(ii) Using Fig. 1, identify the part of the world which is likely to:

A decrease in population between 2010 and 2060;

.....

B increase most in population between 2010 and 2060.

..... [2]

(iii) Describe **three** different problems caused by population growth.

- 1
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- 2
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- 3
- [3]

(b) Study Fig. 2, which shows the birth rate and death rate for Vietnam (an LEDC) between 1960 and 2010.

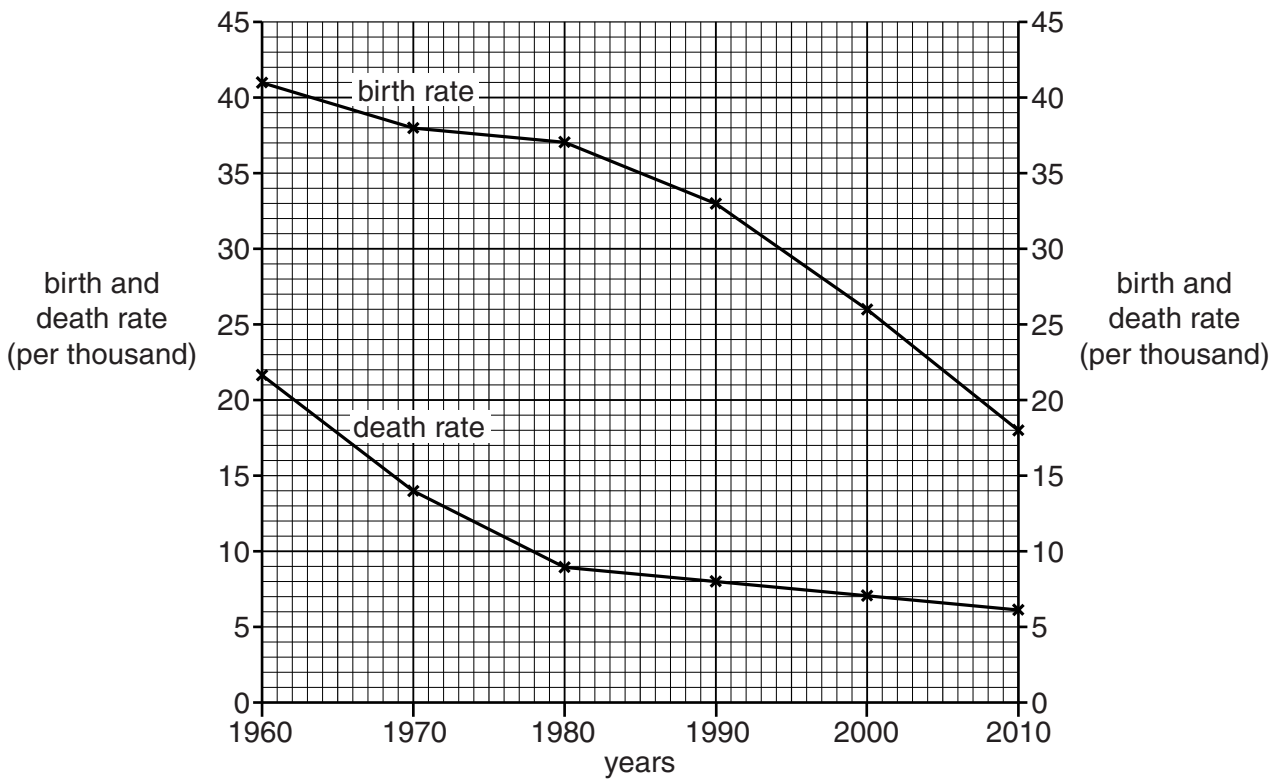


Fig. 2

(i) Calculate the natural population growth rate in Vietnam in 2010. You should show your calculations and answer in the box below.

Answer

[3]

(ii) Describe the changes in the **death rate** between 1960 and 2010 in Vietnam. Refer to statistics and years from Fig. 2 in your answer.

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.....[4]

(iii) Suggest reasons why the **birth rate** in LEDCs such as Vietnam is still high compared with MEDCs.

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QUESTION 2

2 (a) Study Figs 3A and 3B, a map and a table showing information about villages near Lincoln, a UK city with a population of 90 000.

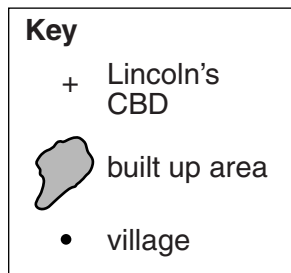
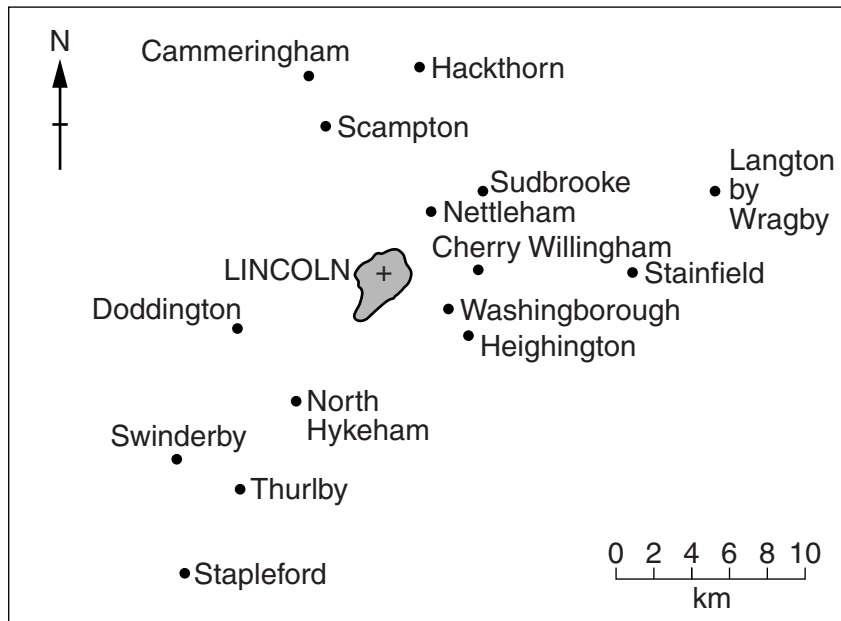


Fig. 3A

Population change (%) in selected villages around Lincoln

Cammeringham	-24	Langton by Wragby	-28	Stapleford	-32
Cherry Willingham	-14	Nettleham	+91	Sudbrooke	+440
Doddington	+168	North Hykeham	+98	Swinderby	+34
Hackthorn	-17	Scampton	-37	Thurlby	-37
Heighington	+71	Stainfield	-16	Washingborough	+226

Fig. 3B

(i) What is the straight line distance from Swinderby to the CBD of Lincoln?

..... kms

[1]

(ii) Using Fig. 3B, identify:

A a village where the population has declined;

.....

B the village where there has been the largest percentage population growth.

..... [2]

(iii) Some villages near Lincoln have increased in population as people have moved from the nearby city. Suggest **three** different reasons why people may have moved from Lincoln to these villages.

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..... [3]

(iv) Explain why people who live in the villages shown in Fig. 3A may use the shops and services in Lincoln.

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..... [4]

(b) Study Fig. 4, which shows a leaflet produced by people who are against the building of new housing in an **urban area** in an MEDC.

UNDER ATTACK

UP TO 280 AFFORDABLE HOUSES TO BE BUILT AT CORNWATER FIELDS

EFFECTS ON YOU:

- **PROPERTY VALUES!**
- **TRAFFIC!**
- **DOCTORS!**
- **SCHOOLS!**
- **SEWERAGE & DRAINAGE!**
- **CHANGE CHARACTER OF THIS AREA!**

ACTION NEEDED NOW, BY YOU:

- **ATTEND THE MEETING AT THE TOWN HALL, 6.30PM, 4TH FEBRUARY – GIVE US YOUR VIEWS**
- **SIGN FORMS OF OBJECTION AVAILABLE AT THE MEETING, LEISURE CENTRE OR LIBRARY**

Fig. 4

(i) Give **three** reasons why there will be opposition to the building of new housing in and around urban areas.

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(ii) Explain why new houses are needed in many urban areas in MEDCs.

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(c) For a named urban area you have studied, describe the attempts taken to reduce the problems caused by traffic.

Name of urban area

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[Total: 25 marks]

END OF QUESTION 2

[Turn over

QUESTION 3

3 (a) Study Fig. 5, a map showing a river and its flood plain.

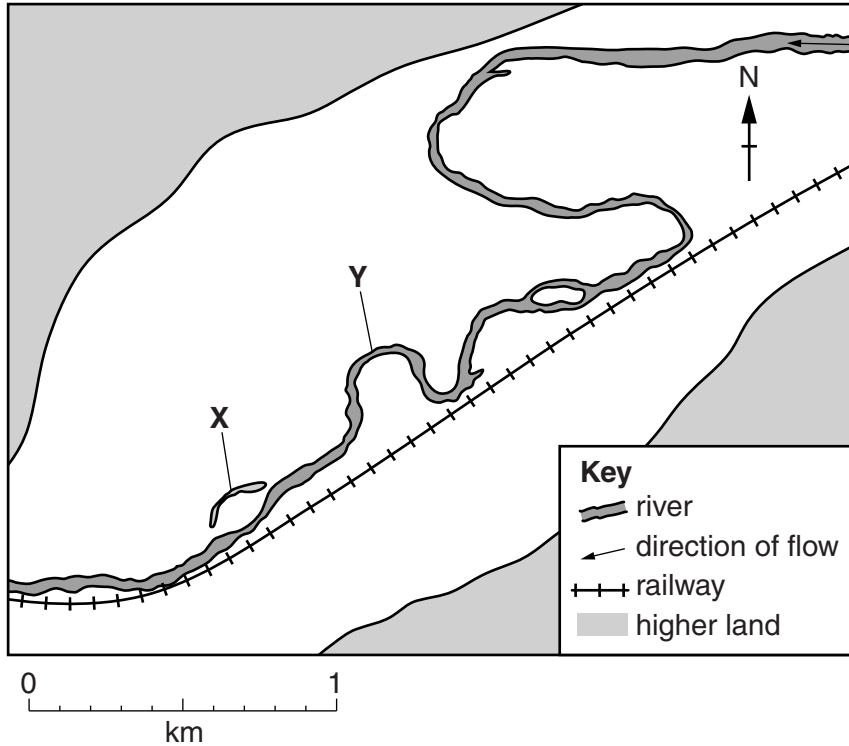


Fig. 5

(i) What is the width of the flood plain of the river at its widest point?

..... kilometres [1]

(ii) Identify features **X** and **Y** shown on Fig. 5.

X

Y [2]

(iii) Suggest how the river may cause problems for the company managing the railway shown in Fig. 5.

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 [3]

(iv) Explain the formation of a flood plain.

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.....[4]

(b) Study Photograph A (Insert), which shows a river which has flooded.

(i) Suggest **three** possible causes of the flooding of the river shown in the photograph.

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(ii) Describe the likely impacts of floods for people who live in an urban area.

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(c) For a named river you have studied, explain why people live on its flood plain or delta.

Name of river

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[7]

[Total: 25 marks]

END OF QUESTION 3

QUESTION 4

4 (a) Study Fig. 6, information about the climate of three areas, **A**, **B** and **C**.

Area	Mean (average) temperature in hottest month (°C)	Mean (average) temperature in coldest month (°C)	Average annual rainfall (mm)
A	36	16	115
B	28	25	2450
C	28	16	660

Fig. 6

(i) What is the annual range of temperature at area **A**?

..... °C [1]

(ii) Which area, **A**, **B** or **C**, is most likely to be:

- a tropical desert;
- a tropical rainforest? [2]

(iii) Describe the difference between the following climatic features of a tropical desert and tropical rainforest.

Cloud cover

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Humidity

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Temperatures at night

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 [3]

- (iv) Explain how the amount of rainfall in a tropical desert is influenced by wind direction and atmospheric pressure.

Wind direction

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Atmospheric pressure

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..... [4]

- (b) Study Photograph B (Insert), which shows vegetation in an area of tropical desert.

- (i) Describe the characteristics of the vegetation shown in Photograph B.

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- (ii) Explain how the vegetation shown in Photograph B is adapted to the desert climate.

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QUESTION 5

5 (a) Study Fig. 7, information about energy production in the USA.

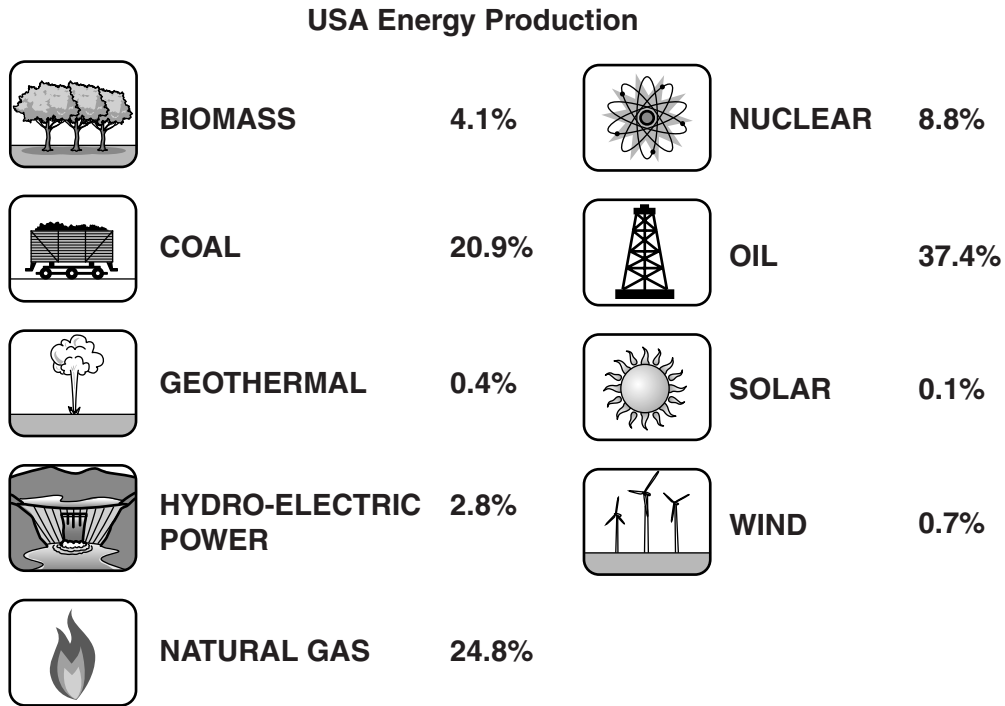


Fig. 7

(i) What is the total percentage of energy produced from fossil fuels in the USA?

.....% [1]

(ii) Using Fig. 7, give **two** examples of renewable energy.

1 2 [2]

(iii) Explain why many countries are planning to use a greater percentage of renewable energy in the future.

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(iv) Describe **two** advantages and **two** disadvantages of nuclear power as a source of energy.

Advantage 1

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Advantage 2

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Disadvantage 1

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Disadvantage 2

.....[4]

(b) Study Fig. 8, which shows an upland area in Northern Europe where wind turbines have been built.

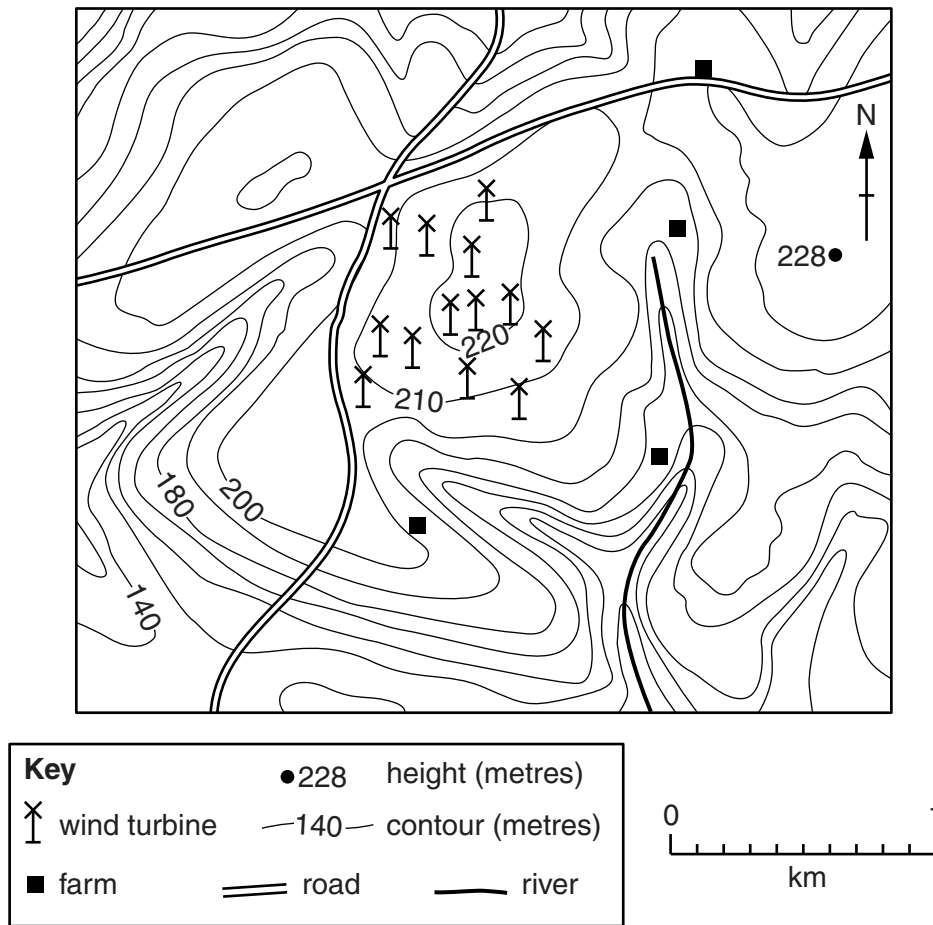


Fig. 8

(i) Describe the distribution of wind turbines in the area shown on Fig. 8.

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QUESTION 6

6 (a) Study Photographs C, D and E (Insert), which show three different types of economic activity.

(i) Tick the statement from the list below which is the best definition of economic activity.

The use of energy	<input type="checkbox"/>
The production and distribution of goods and services	<input type="checkbox"/>
Activities which damage the natural environment	<input type="checkbox"/>
People who are of working age	<input type="checkbox"/>

[1]

(ii) For each of the three types of economic activity in Photographs C, D and E, identify whether it is in the primary, secondary or tertiary sector.

Photograph C

Photograph D

Photograph E

[2]

(iii) Photograph E (Insert) shows a person working in the informal sector.

Explain why many people in cities in LEDCs work in the informal sector.

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.....[3]

(iv) The farmer shown in Photograph D (Insert) is using a simple machine. Suggest **two** advantages and **two** disadvantages of this type of technology for farmers in LEDCs.

Advantages

- 1
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- 2
-

Disadvantages

- 1
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- 2
- [4]

(b) Study Fig. 9, which shows information about how employment structure changes as a country develops.

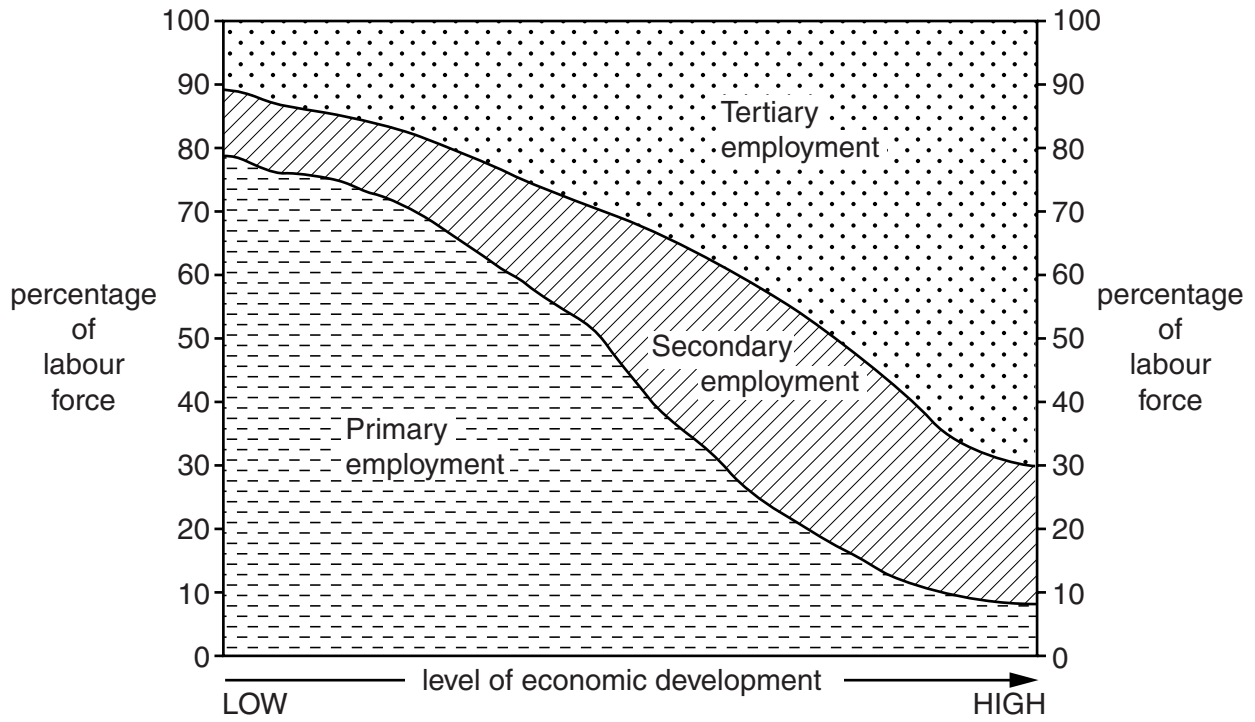


Fig. 9

(i) Describe the changes in employment structure which take place as a country develops.

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(ii) Explain why employment structure changes as a country develops.

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Copyright Acknowledgements:

Photographs A–E S Sibley © UCLES.

Question 3 Fig. 5 Adapted from © Keith Hilton; *Understanding Landforms*; Nelson Thornes Ltd; 1984; ISBN 0333276434.

Question 5 Fig. 7 © <http://cleanet.org/clean/literacy/energyquiz.html>

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