UNIVERSITY OF CAMBRIDGE INTERNATIONAL EX
International General Certificate of Secondary Educati

CANDIDATE NAME

CENTRE NUMBER | | | | | |

CAN NUMBER

0883450176

GEOGRAPHY **0460/11**

Paper 1 **October/November 2013**

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 a soft pencil for any diagrams, graphs or rough working.
Do not use staples, paper clips, highlighters, glue or correction fluid.
DO **NOT** WRITE ON 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.

This Insert contains Figs 3A and 3B for Question 2, 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.

For Examiner's Use	
Q1	
Q2	
Q3	
Q4	
Q5	
Q6	
Total	

This document consists of **27** printed pages, **1** blank page and **1** Insert.

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UNIVERSITY of CAMBRIDGE International Examinations

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QUESTION 1

(a) Study Fig. 1, which shows information about the birth and de
and Canada (MEDC).

Country	Birth rate (per 1000 of population)	Death rate (per 1000 of population)
Sudan	36.1	11.0
Canada	10.2	8.0

Fig. 1

(i) Sudan has an infant mortality rate of 68.1. What is meant by this?

.....

.....[1]

(ii) Calculate the natural population growth rate of Canada.
You must show your calculations in the box below.

Natural population growth rate = ... per 1000

[2]

(iii) Give **three** reasons why there are low death rates in MEDCs such as Canada.

1 .....

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2 .....

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3 .....

.....[3]

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(iv) Explain why there are high birth rates in LEDCs such as

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.....[4]

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(b) Study Fig. 2, which shows information about population chan

Population Change (%)

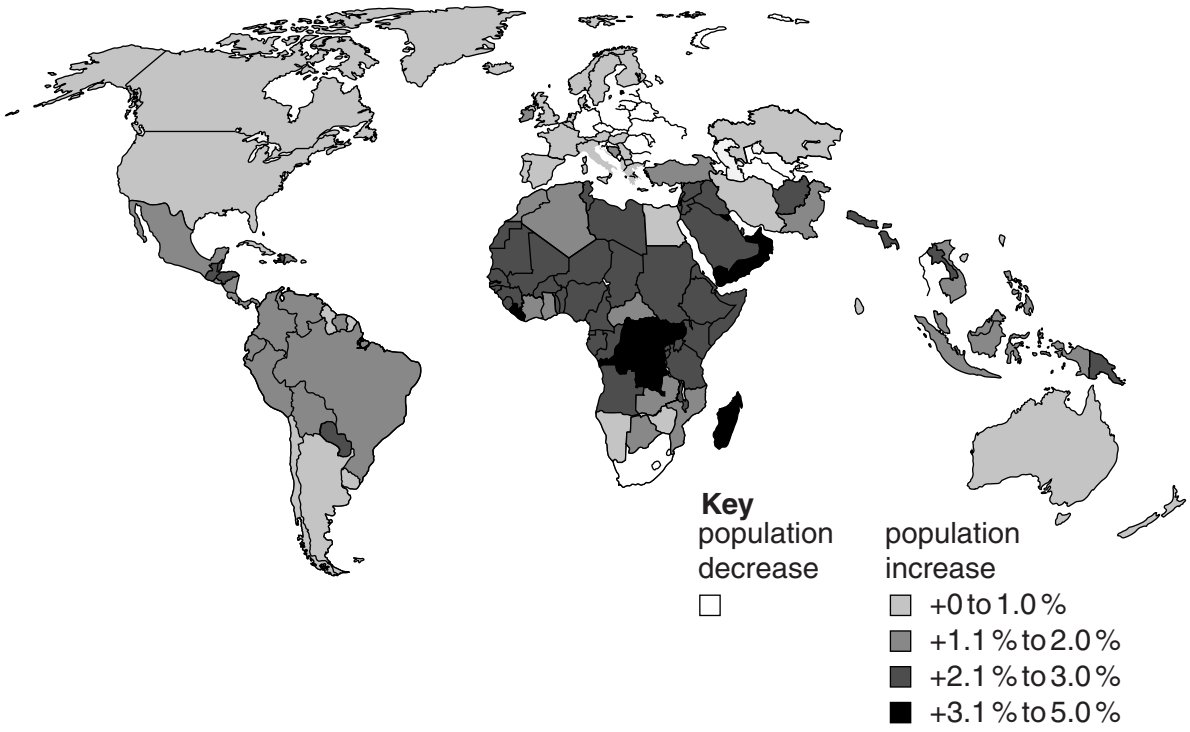


Fig. 2

(i) Compare the population change in Africa with that in South America. Refer to information from Fig. 2.

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.....[3]

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(ii) Explain why the governments of many LEDCs are tryin
rates of population growth.

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.....[5]

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(c) The population of a country can change as a result of migrati

Choose an example of an international migration which yo the countries between which people moved. By reference to explain why many people made the decision to migrate.

Example of international migration From .....

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.....[7]

[Total: 25 marks]

END OF QUESTION 1

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QUESTION 2

(a) Study Figs 3A and 3B (Insert), maps which show areas close

(i) The maps in Figs 3A and 3B show both urban and rur
difference between an *urban* and a *rural* settlement?

.....

.....

(ii) Find the settlements of La Brèche d'Hermanville and St. Aubin d'Arquenay on Fig. 3A. For **each** settlement underline the correct word which describes it.

La Brèche d'Hermanville

nucleated linear dispersed

St. Aubin d'Arquenay

nucleated linear dispersed [2]

(iii) Between Le Ham and Brocottes, shown on Fig. 3B, there is an area of dispersed rural settlement. Describe **three** characteristics of an area of dispersed rural settlement.

1 .....

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2 .....

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3 .....

.....[3]

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(**b**) Study Figs 4A, 4B and 4C, which show information about the (MEDC in Europe).

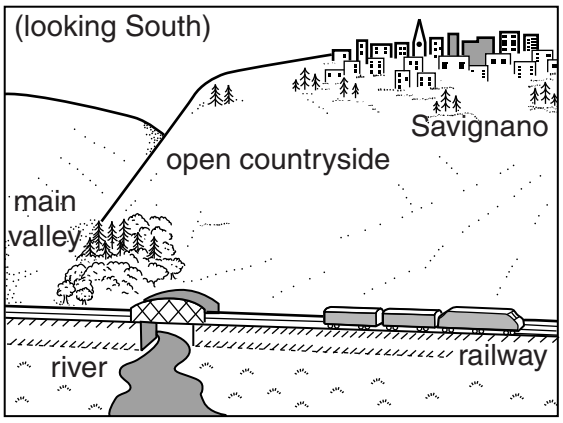


Fig. 4A

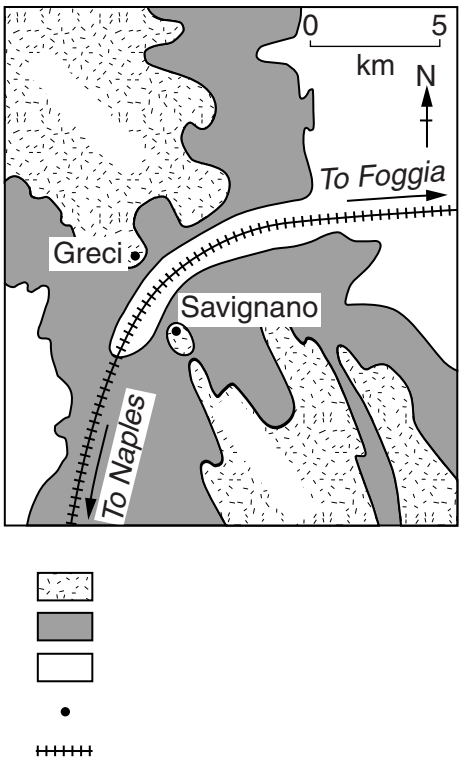


Fig. 4B

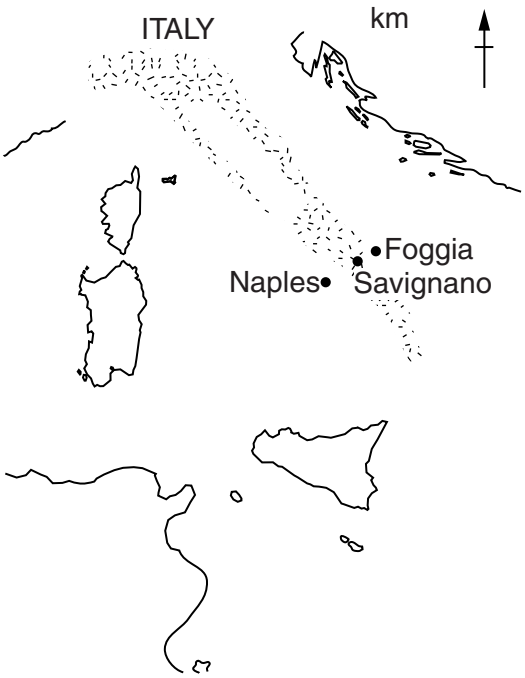


Fig. 4C

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(i) Describe the site of Savignano.

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.....[3]

(ii) Suggest reasons to explain the site of Savignano.

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(iii) Suggest the likely impacts of the growth of urban areas such as Savignano on the natural environment.

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(c) State one function of a large urban area which you have stud
Explain why the urban area has this function.

Name of urban area .....

Function .....

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[Total: 25 marks]

END OF QUESTION 2

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QUESTION 3

(a) Study Fig. 5, which shows different types of weathering and t

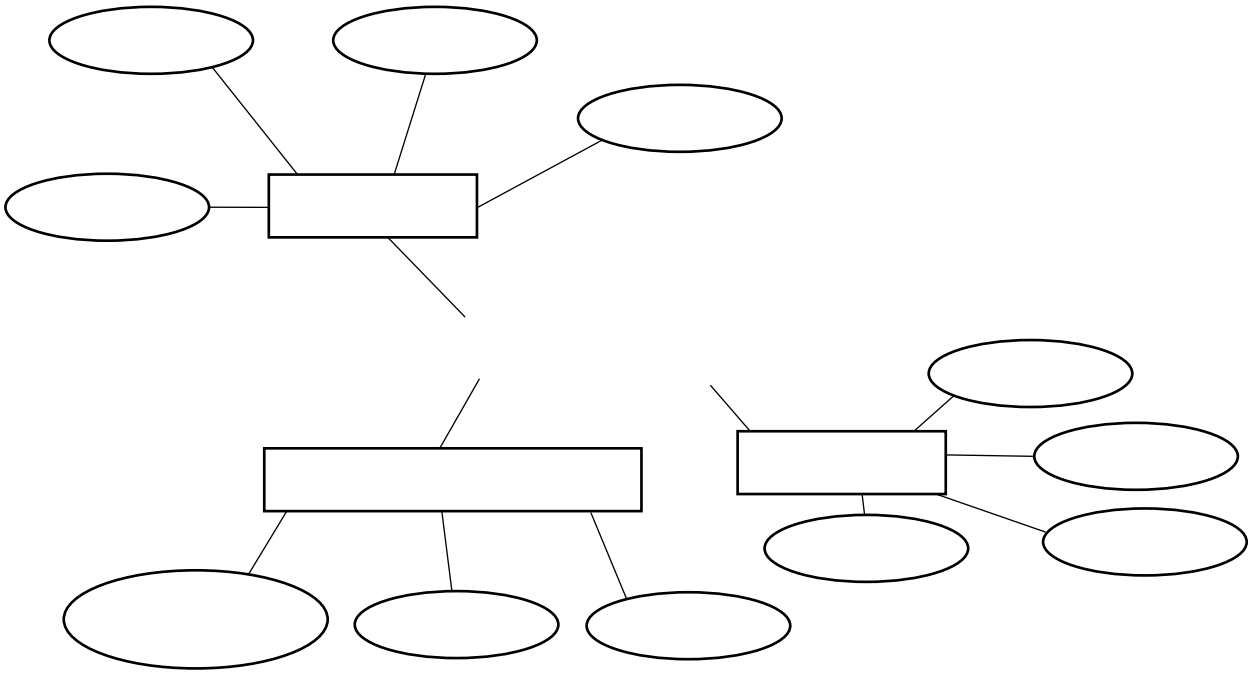


Fig. 5

(i) Using Fig. 5, identify **one** cause of physical (mechanical) weathering and **one** cause of chemical weathering.

Cause of physical (mechanical) weathering .....

Cause of chemical weathering .....[1]

(ii) Name:

a type of physical (mechanical) weathering caused by ice;

.....

a type of chemical weathering caused by acid.

.....[2]

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(iii) Describe how biological weathering occurs.

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.....[3]

(iv) Explain the main factors which influence the type and rate of weathering.

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.....[4]

(b) Study Photograph A (Insert), which shows a landscape formed in a tropical desert area.

(i) Describe the appearance of the landscape shown on Photograph A.

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.....[3]

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(ii) Exfoliation is one process of weathering operating in the ar
Describe how this process occurs.
You may use a labelled diagram in your answer.

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[5]

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(c) For a named area of tropical desert which you have studied characteristics of its climate.

Name of tropical desert .....

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.....[7]

[Total: 25 marks]

END OF QUESTION 3

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QUESTION 4

(a) Study Fig. 6, a map which shows part of a river and its tributarie (Insert) which shows a waterfall.

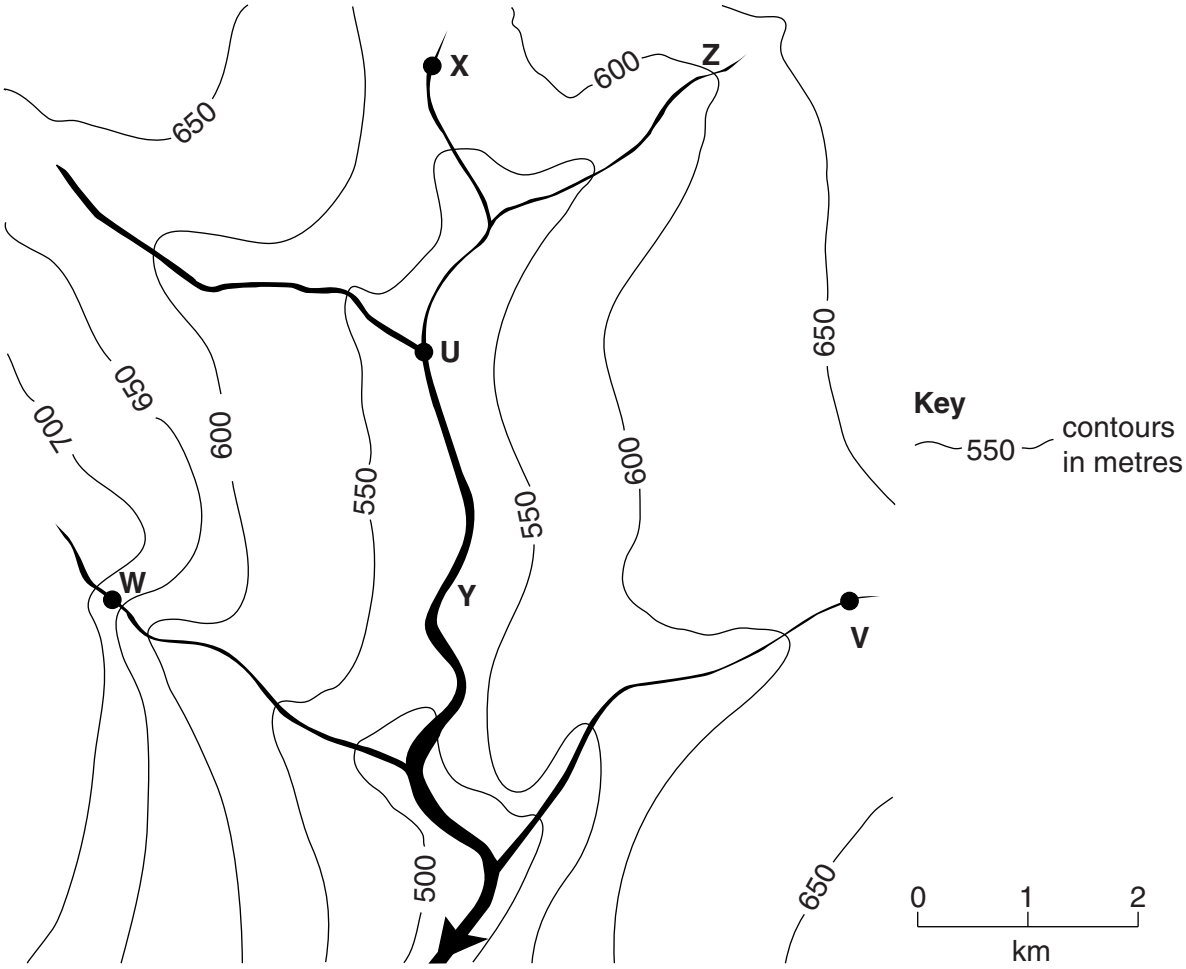


Fig. 6

(i) What feature is labelled **A** on Photograph B? Underline the correct answer from the list below.

hard rock layer plunge pool source

[1]

(ii) Which labelled point on Fig. 6, **U**, **V**, **W** or **X**, is the most likely position of the waterfall shown in Photograph B? Give a reason for your answer.

Position of waterfall .....

Reason .....

.....

.....[2]

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(iii) Briefly explain how waterfalls, such as the one shown in

.....

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.....[3]

(iv) State **four** likely differences between the river and its valley at **Y** and at **Z** on Fig. 6.

1 .....

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2 .....

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3 .....

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4 .....

.....[4]

(**b)** Study Fig. 7, which shows the delta of the River Ganges.

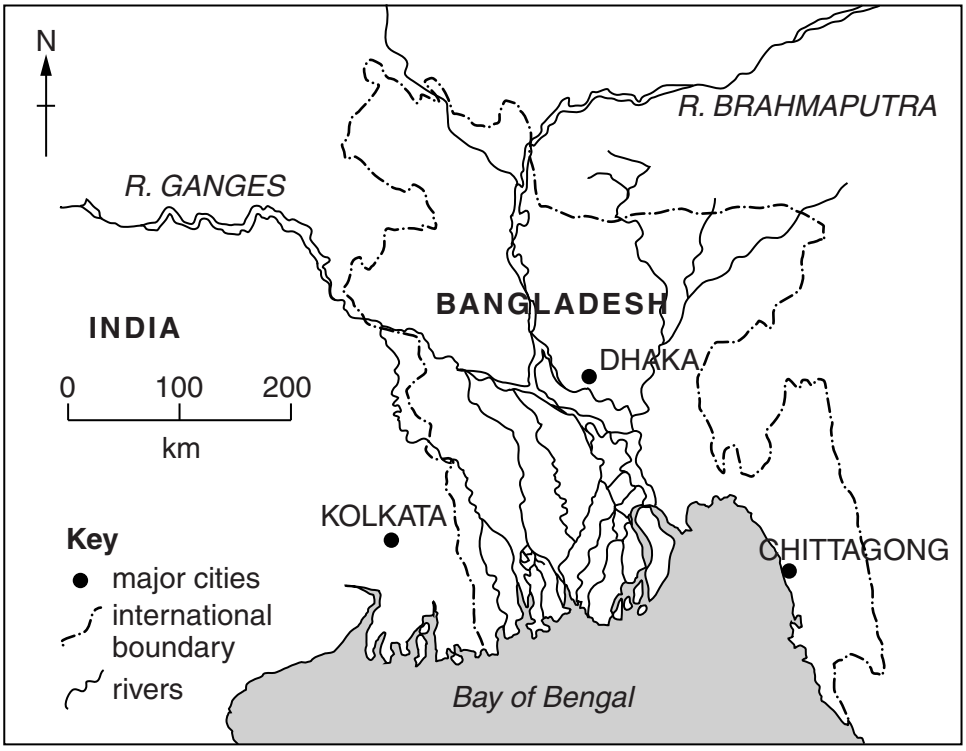


Fig. 7

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(i) Using information from Fig. 7 **only**, describe **three** featur

1 .....

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2 .....

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3 .....

.....[3]

(ii) Explain how a delta is formed.

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(c) Describe the benefits and difficulties for people of living on a
You should refer to a named delta.

Name of delta .....

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.....[7]

[Total: 25 marks]

END OF QUESTION 4

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QUESTION 5

(a) Study Fig. 8, which shows information about changes in industries in an MEDC in Europe between 1980 and 2010.

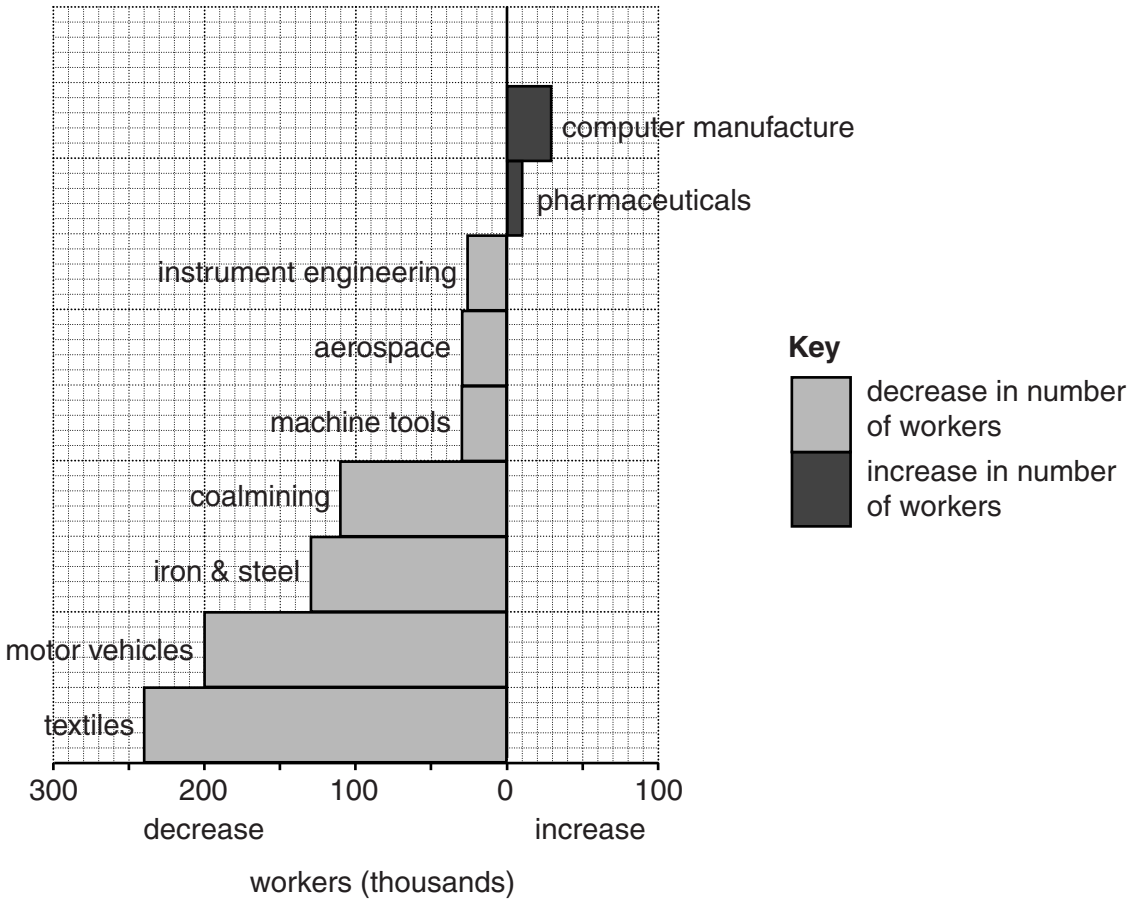


Fig. 8

(i) Identify **one** industry shown on Fig. 8 which is in the primary sector.

.....[1]

(ii) Compare the changes in employment in computer manufacture and the motor vehicle industry between 1980 and 2010. Refer to figures in your answer.

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.....[2]

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(iii) Suggest **three** reasons for the decrease in employme industries between 1980 and 2010.

1 .....

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2 .....

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3 .....

.....[3]

(iv) Suggest the likely impacts of the changes in employment shown by Fig. 8 on the people and economy of the country.

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.....[4]

(b) Study Fig. 9, a simple flow diagram of industrial production.

INPUTS → PROCESSES → OUTPUTS

Fig. 9

(i) Define the terms inputs, processes and outputs of a factory.

Inputs .....

.....

Processes .....

.....

Outputs .....

.....[3]

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(ii) Name a type of manufacturing (or processing) industr
(You must NOT choose a high technology industry).

To what extent did the raw materials used influence t
which you have named? Explain your answer.

Type of manufacturing (or processing) industry .....

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.....[5]

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(c) For a named example of an area where high technology i
explain the factors which have attracted this type of industry.

Name of area .....

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.....[7]

[Total: 25 marks]

END OF QUESTION 5

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QUESTION 6

(a) Study Photographs C, D and E (Insert), which show different

(i) Which one of the photographs, C, D or E, shows pastora

Photograph .....

(ii) All three farms shown in Photographs C, D and E are co
Explain why many farmers are commercial farmers.

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.....[2]

(iii) Describe the activities which are taking place on the farm shown in Photograph C.

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.....[3]

(iv) Suggest how the farming system shown in Photograph D may be influenced by physical factors.

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.....[4]

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(**b**) Study Fig. 10, which shows information about changes in an between 1950 and 2000.



Fig. 10

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(i) Identify **three** changes which have taken place in th between 1950 and 2000.

1 .....

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2 .....

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3 .....

.....[3]

(ii) Suggest ways in which commercial farmers in the area shown in Fig. 10 may have been able to increase their output.

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.....[5]

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(c) For a named area or country you have studied which suffers f
why there is a shortage of food.

Name of area or country .....

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[Total: 25 marks]

END OF QUESTION 6

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Additional Page

If you use the following lined page to complete the answer(s) to any number(s) must be clearly shown.

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Question 2 Figs 4A, 4B & 4C	© J Baumber et al; *Questioning Geography*; Collins Educational; 1984.
Question 3 Photograph A	S. Sibley © UCLES.
Question 4 Photograph B	S. Sibley © UCLES.
Question 6 Photographs C, D & E	S. Sibley © UCLES.

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