UNIVERSITY OF CAMBRIDGE INTERNATIONAL EX
International General Certificate of Secondary Educati

CANDIDATE
NAME

CENTRE
NUMBER

CAN
NUMBER

6693166312

GEOGRAPHY **0460/23**

Paper 2 **October/November 2013**

1 hour 30 minutes

Candidates answer on the Question Paper.

Additional Material: Ruler
Protractor
Plain paper
Calculator

1:25 000 Survey Map Extract is enclosed with this question paper.

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.

Answer **all** questions.

The Insert contains Photograph A for Question 2, Photograph B for Question 5 and Photograph C for Question 6.
The Survey Map Extract and the Insert are **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 **14** printed pages, **2** blank pages and **1** Insert.

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UNIVERSITY of CAMBRIDGE
International Examinations

1 The map extract is for Blanche Mountain, Mauritius. The scale is 1

(a) Fig. 1 shows the positions of some features in the north of th
Study Fig. 1 and the map extract and answer the questions b

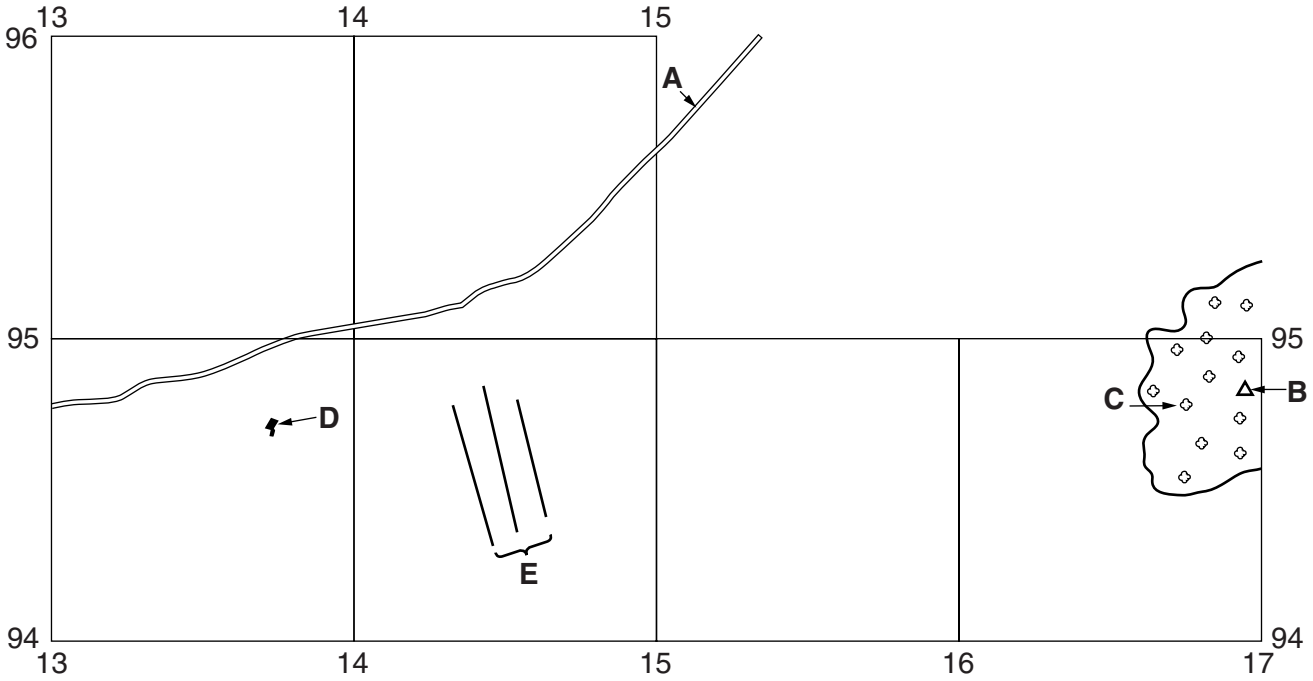


Fig. 1

Study the map and identify the following features shown on Fig. 1:

(i) the type of road at **A**;

..... [1]

(ii) feature **B**;

..... [1]

(iii) the type of natural vegetation at **C**;

..... [1]

(iv) the named building at **D**;

..... [1]

(v) features **E**.

..... [1]

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(b) (i) In which compass direction would you walk from the roa 119913 to the school at 111921?

.....

(ii) What is the bearing, from grid north, of the school at g the road junction at 119913?

..... degrees

(iii) What is the distance in metres along the road from the at grid reference 110950 to the road junction at 139950? Circle the distance below (given in metres) which is the nearest to your answer.

2900 2950 3080 3220 [1]

(iv) What is the main settlement pattern on the map? Circle the correct answer below.

dispersed linear nucleated [1]

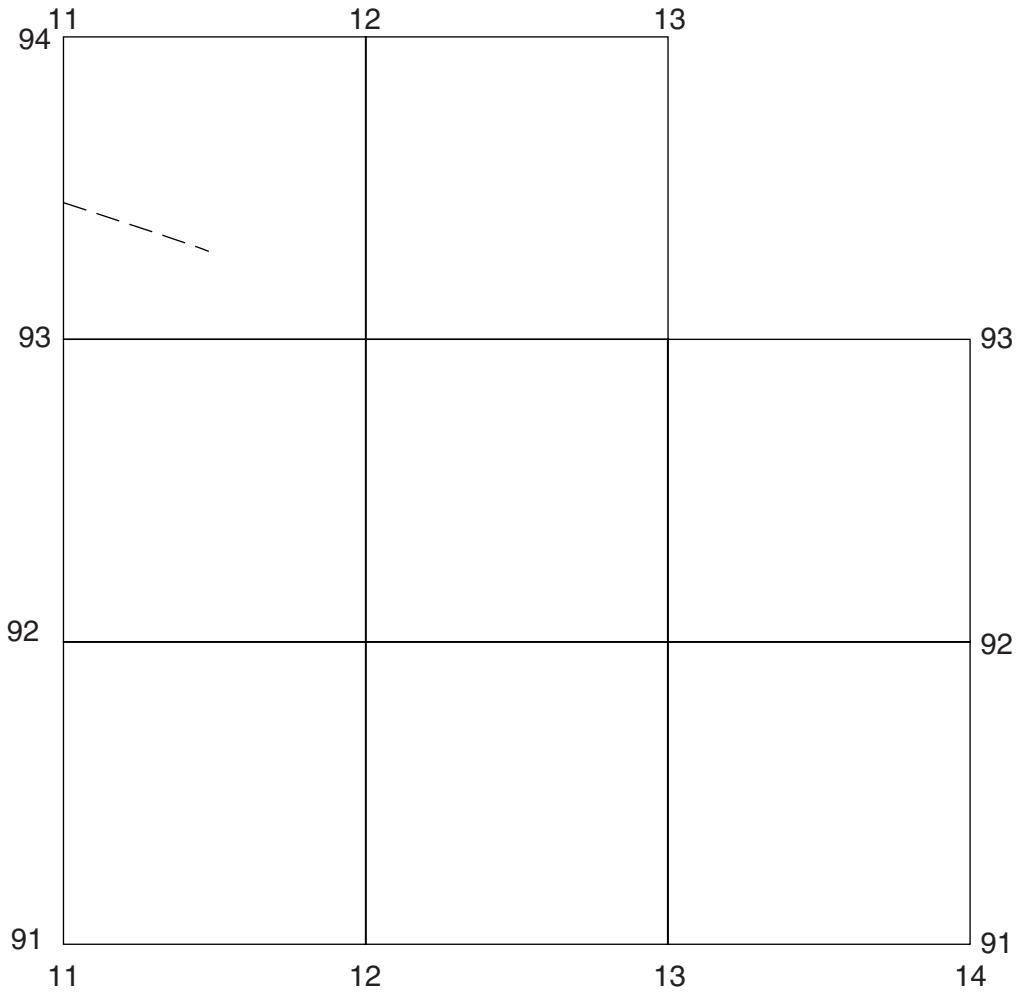
(c) Look at grid squares 1294 and 1694. Place **one** tick only in each row in the table below to show whether or not the named features are found there. One example has been completed.

feature	grid square 1294 only	grid square 1694 only	both grid squares	neither of the grid squares
mosque	✓			
dispensary				
police station				
plantations growing two types of crop				
school				
marsh or swamp				

[5]

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(d) Complete the route of the old railway, named in grid square 1



[2]

Fig. 2

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(e) Fig. 3 below shows the area of Blanche Mountain in the sout

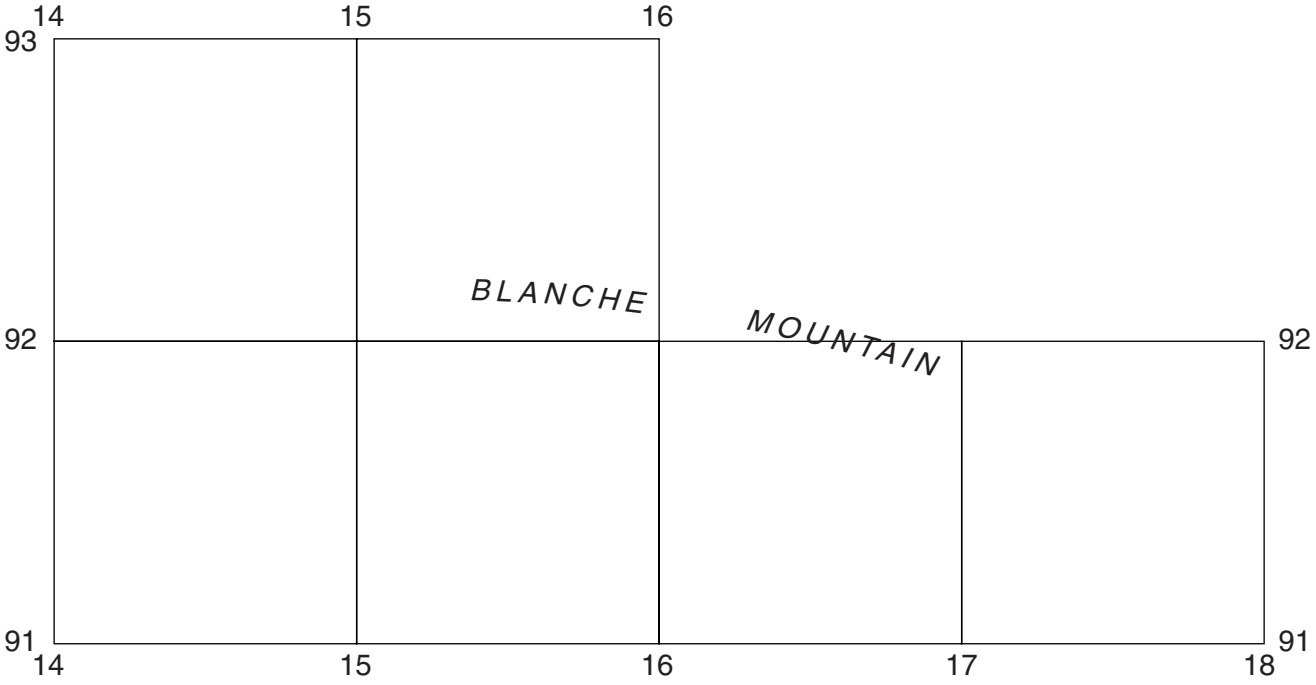


Fig. 3

Use the map extract to describe the relief of the shaded area on Fig. 3.

.....

.....

.....

.....

.....

.....

.....

..... [4]

[Total: 20 marks]

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2 Photograph A (Insert), shows a river channel and its surrounding

(a) Find the features listed below on Photograph A. Show wh on the photograph by writing one of the letters **A**, **B**, **C**, **D**, description.

a place where bank erosion has recently occurred .....

a place in the channel where the water will be flowing f bank

.....

flood plain .....

steep valley side on the outside of a meander .....

slip off slope (point bar) ..... [5]

(b) **(i)** Circle the word that describes the size of the load at **X** as shown on Photograph A.

boulder clay pebble sand silt [1]

(ii) Suggest why load **X** has not been moved far by the river.

.....

.....

.....

..... [2]

[Total: 8 marks]

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3 Figs 4 and 5 give information about a migration from Somalia bet
Use both of them to answer the following questions.

Somalia has been affected by unreliable rainfall and also by conflict, p
part of the country where a militant group was in control. This prev
working there to help deal with the lack of food and water. The pric
doubled between June 2010 and July 2011. Many people left the co
about 1.5 million are refugees within Somalia.

Fig. 4

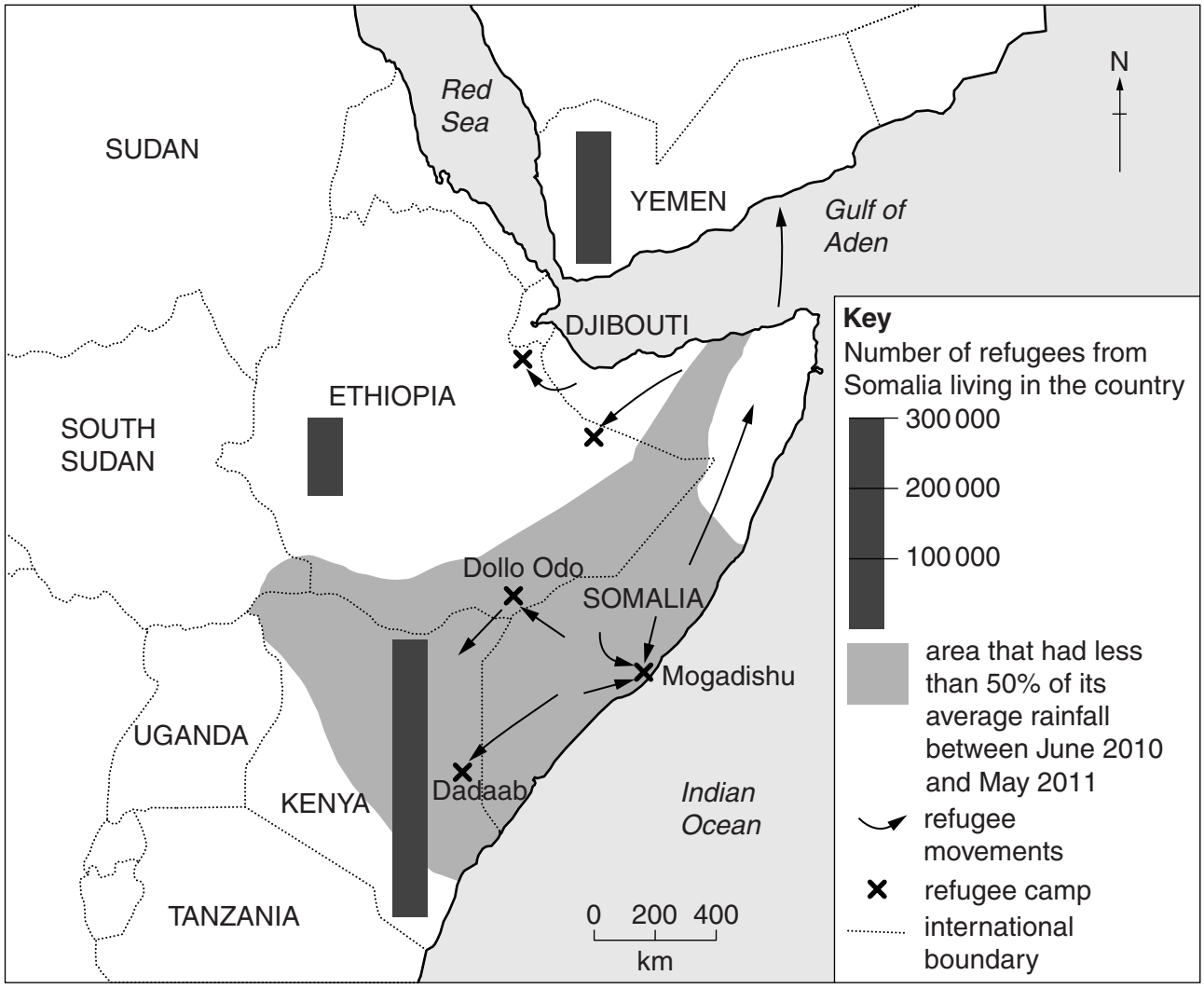


Fig. 5

(a) (i) State **two** push factors which caused so many people to leave Somalia.

.....

.....

.....

..... [2]

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(ii) From Fig. 5, suggest reasons why this migration was ver with.

.....

.....

.....

.....

(iii) How many refugees fled to Yemen?

..... [1]

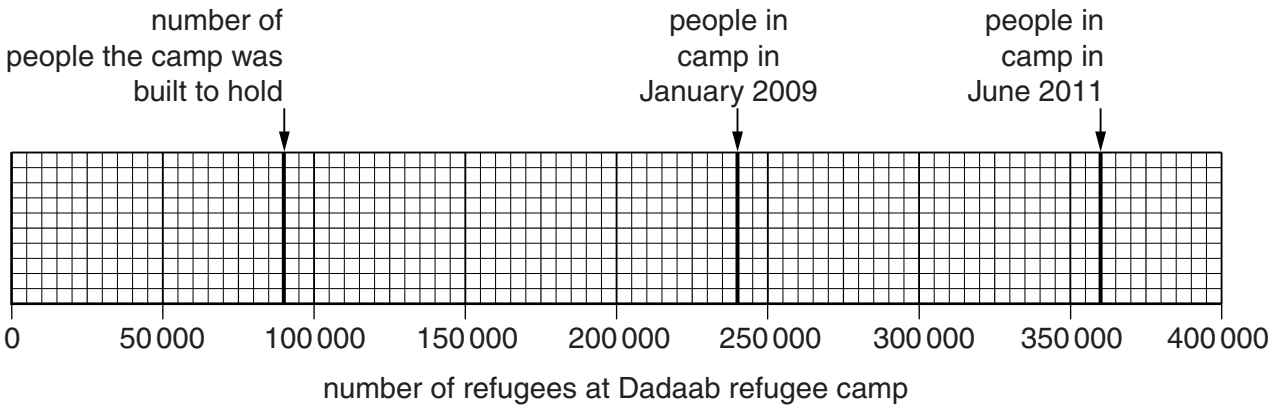
(iv) Suggest **one** reason why most refugees only travelled as far as the nearest countries.

.....

..... [1]

(b) (i) Fig. 6 shows the number of refugees in the camp at Dadaab in January 2009 and June 2011, together with the number it was built to hold.

Complete the bar graph to show that the camp held 380 000 refugees by July 2011.



[1]

Fig. 6

(ii) Suggest **one** problem which is likely to result from a camp with far more people in it than it was built to hold.

.....

..... [1]

[Total: 8 marks]

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4 **(a)** Fig. 7 shows the climate of Padang in Indonesia. Table 1 giv
for Padang for three months.

(i) Use the information in Table 1 to complete the temperat

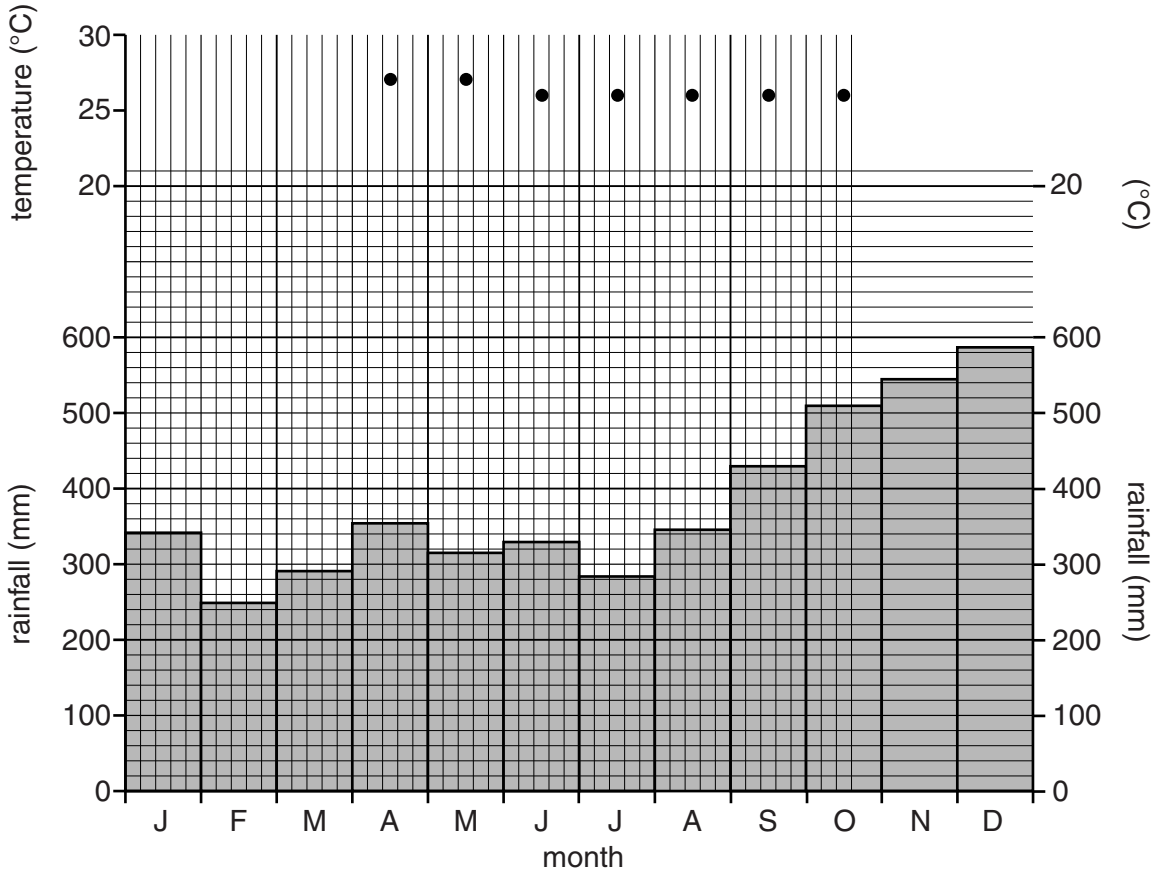


Fig. 7

Table 1

	J	F	M
temperature (°C)	26	27	26

[2]

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(ii) Use the information in Fig. 7 and Table 1 to circle th correct for the climate at Padang.

annual temperature range (°C)	0	1		
mean annual temperature (°C)	24	25		
approximate annual rainfall total (mm)	4000	4500	5000	5500

[3]

(iii) Describe the general distribution of the rainfall at Padang.

.....

.....

.....

..... [2]

(b) Padang's climate is very humid. Use Fig. 7 to explain this high humidity.

.....

.....

..... [1]

[Total: 8 marks]

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5 **(a)** Fig. 8 is a sketch map of an industrial complex at Brunsbütt is important for petroleum and chemical industries. Photogr petrochemical works labelled **X** on Fig. 8 and part of the oil p

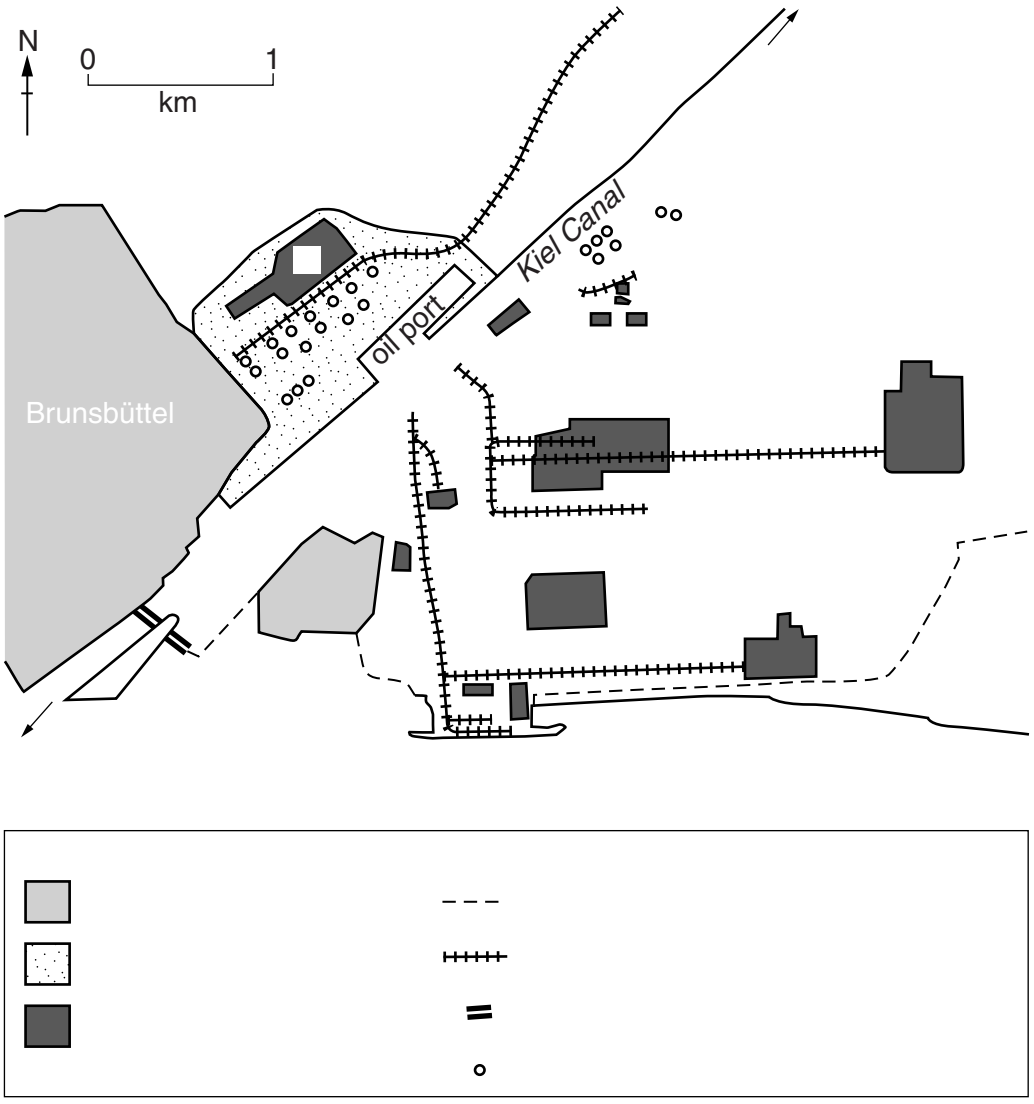


Fig. 8

(i) Use evidence in Photograph B **only** to give reasons why this is a good site for industry. Write your answers in the table below.

factor influencing industrial location	evidence from Photograph B of the suitability of the site
land	.....
possible power source	.....
transport of raw material	.....

[3]

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(ii) Suggest why the chimneys in Photograph B are very tall

.....

.....

(b) Use the map (Fig. 8) to describe other advantages of the a industrial complex.

.....

.....

.....

.....

.....

.....

.....

..... [3]

(c) Table 2 shows some inputs and outputs of four petrochemical factories in the area.

Table 2

factory	selected inputs	selected outputs
A	benzene, petroleum	toluene, xylene
B	toluene, xylene	phosphene, nitric acid, caustic soda, sulfuric acid, hydrogen
C	phosphene, nitric acid, caustic soda, sulfuric acid	textile dyes
D	hydrogen, caustic soda, sulfuric acid	hydrochloric acid

Using evidence from Table 2 **only**, explain why these factories locate close to each other.

.....

..... [1]

[Total: 8 marks]

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6 **(a)** Fig. 9 gives some information about Wyoming, a state in the

The western part of the state is part of the Rocky Mountains while the
covered by natural grassland in the rain shadow of the Rockies. The
cattle ranching, which provides more than 77% of the state's wealth.
232 and at least 50 of the ranches (farms) have more than 2500 cattl
is over 100 000 hectares.

Fig. 9

(i) What evidence in Fig. 9 suggests that cattle ranching in Wyoming is an example of large-scale commercial farming?

large scale .....

.....

commercial .....

..... [2]

Fig. 10 shows the percentage of farmland in Wyoming under permanent pasture.

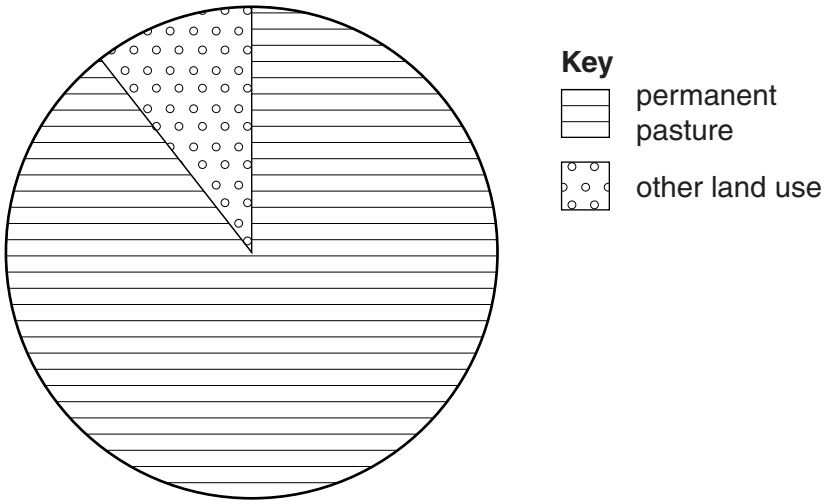


Fig. 10

(ii) What percentage of farmland in Wyoming is under permanent pasture?

..... % [1]

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(b) Photograph C (Insert), shows farm workers moving cattle on

(i) Describe the relief of the area shown in Photograph C.

.....

.....

.....

.....

(ii) Suggest **one** characteristic of the area shown in Photograph C that causes the cattle to be moved frequently from one part of the ranch to another.

.....

..... [1]

(iii) Suggest why the area is not used for arable farming.

.....

.....

.....

..... [2]

[Total: 8 marks]

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Copyright Acknowledgements:

Question 2 Photograph A	Muriel Fretwell © UCLES.
Question 3 Figs 4, 5 and 6	© http://www.unhcr.org/4e0475f69.html © http://www.bbc.co.uk/news/world-africa-14144893
Question 5 Photograph B	Muriel Fretwell © UCLES.
Question 6 Figs 9 and 10	© http://www.agcensus.usda.gov/Publications/2007/Full_Report/Volume_1,_Chapter_1_State_Level/Wyoming/
Question 6 Photograph C	Muriel Fretwell © UCLES.

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