

GENERAL CERTIFICATE OF SECONDARY EDUCATION
GEOGRAPHY A

Paper 1 (Foundation Tier)

1986/01

Candidates answer on the Question Paper

OCR Supplied Materials:

- Resource Booklet (1986/1086/01/02/RB – inserted)

Other Materials Required:

None

Monday 14 June 2010
Morning

Duration: 2 hours



Candidate Forename		Candidate Surname	
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Centre Number						Candidate Number				
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INSTRUCTIONS TO CANDIDATES

- Write your name clearly in capital letters, your Centre Number and Candidate Number in the boxes above.
- Use black ink. Pencil may be used for graphs and diagrams only.
- Read each question carefully and make sure that you know what you have to do before starting your answer.
- Answer **all** the questions.
- Do **not** write in the bar codes.
- Write your answer to each question in the space provided. If additional space is required, you should use the lined pages at the end of this booklet. The question number(s) must be clearly shown.

INFORMATION FOR CANDIDATES

- The number of marks is given in brackets [] at the end of each question or part question.
- The total number of marks for this paper is **80**.
- You will be awarded up to 4 marks for the quality of written communication.
- The following initials are used throughout this paper:
 - LEDC – Less Economically Developed Country.
 - MEDC – More Economically Developed Country.
- This document consists of **16** pages. Any blank pages are indicated.

1 (a) Study Fig. 1a.

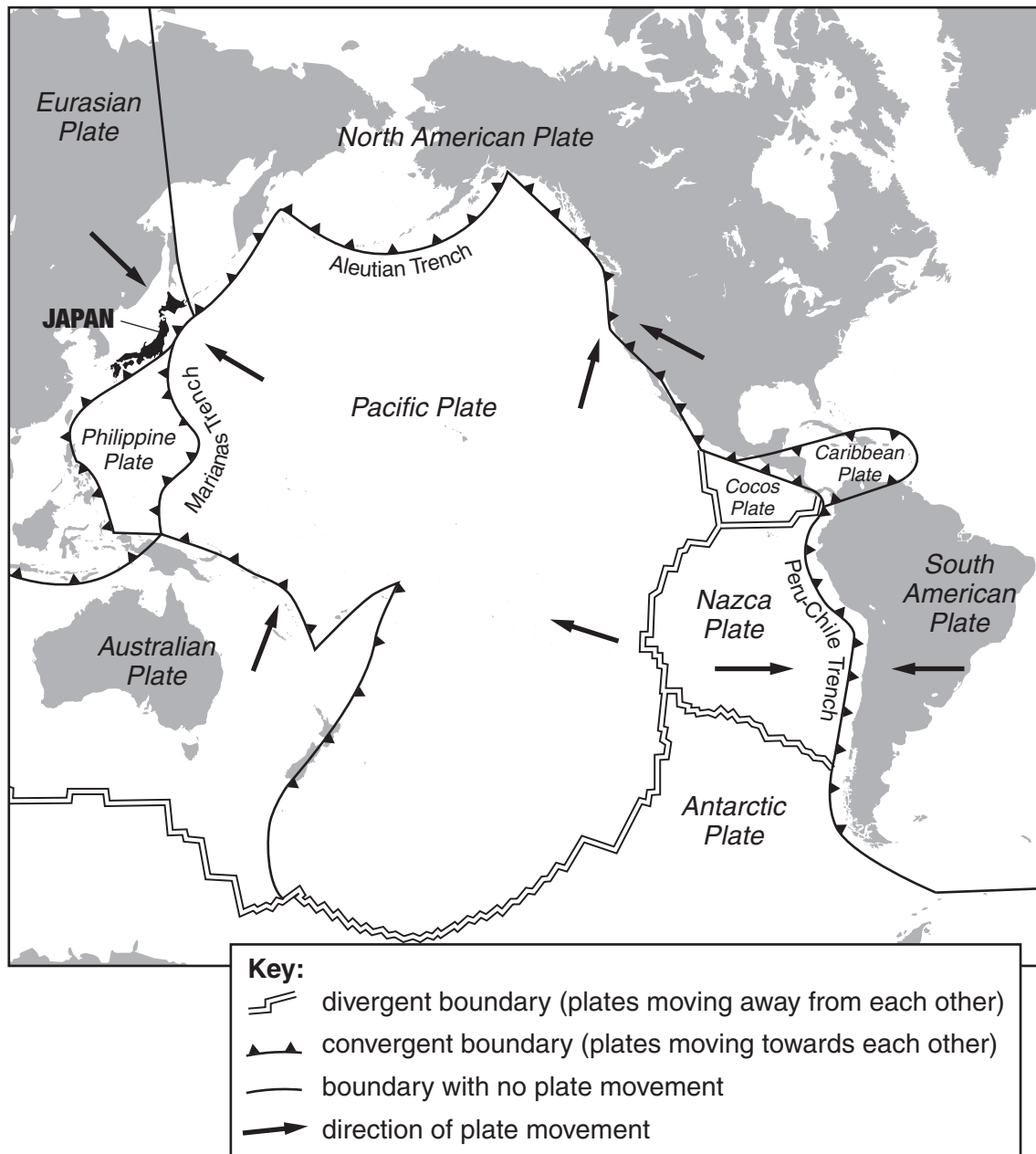


Fig. 1a Map of Pacific showing plate boundaries

- (i) Use the information on Fig. 1a to complete the following sentences.
Choose from the alternatives below each sentence.

1 The boundary between the Pacific Plate and the North American Plate includes the
.....Trench.

Marianas

Aleutian

Peru-Chile

2 The Pacific Plate and the Plate are moving away from each other.

Philippine

Eurasian

Nazca

3 Many volcanoes and earthquakes happen where the Pacific Plate is moving
..... towards the Eurasian Plate.

north west

south west

north east

[3]

- (ii) Japan is shaded black and labelled on the map.
Explain why there are many earthquakes in Japan.

.....

.....

.....

.....

.....

.....

..... **[3]**

(b) Study Fig. 1b below

Location	Power of earthquake measured on the Richter scale
Kobe, Japan	7.2
Sumatra, Indonesia	9.0

Fig. 1b Table to show two earthquakes

(i) Suggest **three** reasons why many more people died in the earthquake in Indonesia.

- 1
-
- 2
-
- 3
- [3]

(ii) What can be done to protect people from the effects of earthquakes?

-
-
-
- [2]

(c) Why do many people live in areas where earthquakes occur?

-
-
-
-
-
- [3]

(d) Name an area you have studied where an earthquake has taken place. Describe the effects of the earthquake on people in the area.

..... [5]

[Total: 19]

2 (a) Study Map D in the Resource Booklet.

Map D shows part of the CBD and inner city of Leicester.

(i) What do the initials CBD stand for?

C..... B..... D [1]

(ii) Which **one** of these squares is part of the CBD? Circle your answer.

A8

D3

E5

E9

Give **one** piece of evidence to support your answer.

.....
 [2]

(iii) Which **one** of these squares is an industrial area? Circle your answer.

A8

D3

E5

E9

Give **one** piece of evidence to support your answer.

.....
 [2]

(iv) Using evidence from Map D, describe the street pattern in square A5.

.....
 [1]

(b) Study Photographs E and F along with Map D.

Photograph E is taken in square A9.

Photograph F is taken in square C9.

(i) Using evidence from the photographs, describe **two** differences between the housing shown in Photographs E and F.

1

 2
 [2]

- (ii) Housing such as that shown in Photograph E is found in areas close to town and city centres, such as the area shown in square A9. Suggest **two** reasons for this.

1

.....

2

..... [2]

- (iii) Suggest advantages and disadvantages of living in areas close to town and city centres, such as the area shown in Photograph F in square C9.

Advantages

.....

.....

.....

Disadvantages

.....

.....

..... [4]

- (c) For a named town or city in an MEDC, describe what is being done to manage traffic.

Name of town or city

What is being done

.....

.....

.....

.....

.....

.....

.....

.....

..... [5]

[Total: 19]

Turn over

3 (a) Study Photographs G and H in the Resource Booklet.

(i) Give **two** differences between the farms shown in the photographs.

1

.....

2

..... [2]

(ii) The farm shown in Photograph H is a commercial, arable farm. What do 'commercial' and 'arable' mean?

Commercial

.....

Arable

..... [2]

(b) Study Fig. 3 opposite.

(i) Complete the graph opposite by plotting the information below.

The number of tractors and combine harvesters in the UK in 2010 is 830 000. [1]

(ii) Complete the following sentence to describe the relationship shown on Fig. 3.

'The number of farm workers decreases as the number of tractors and combine

harvesters ' [1]

(iii) Suggest a reason for this relationship.

.....

..... [1]

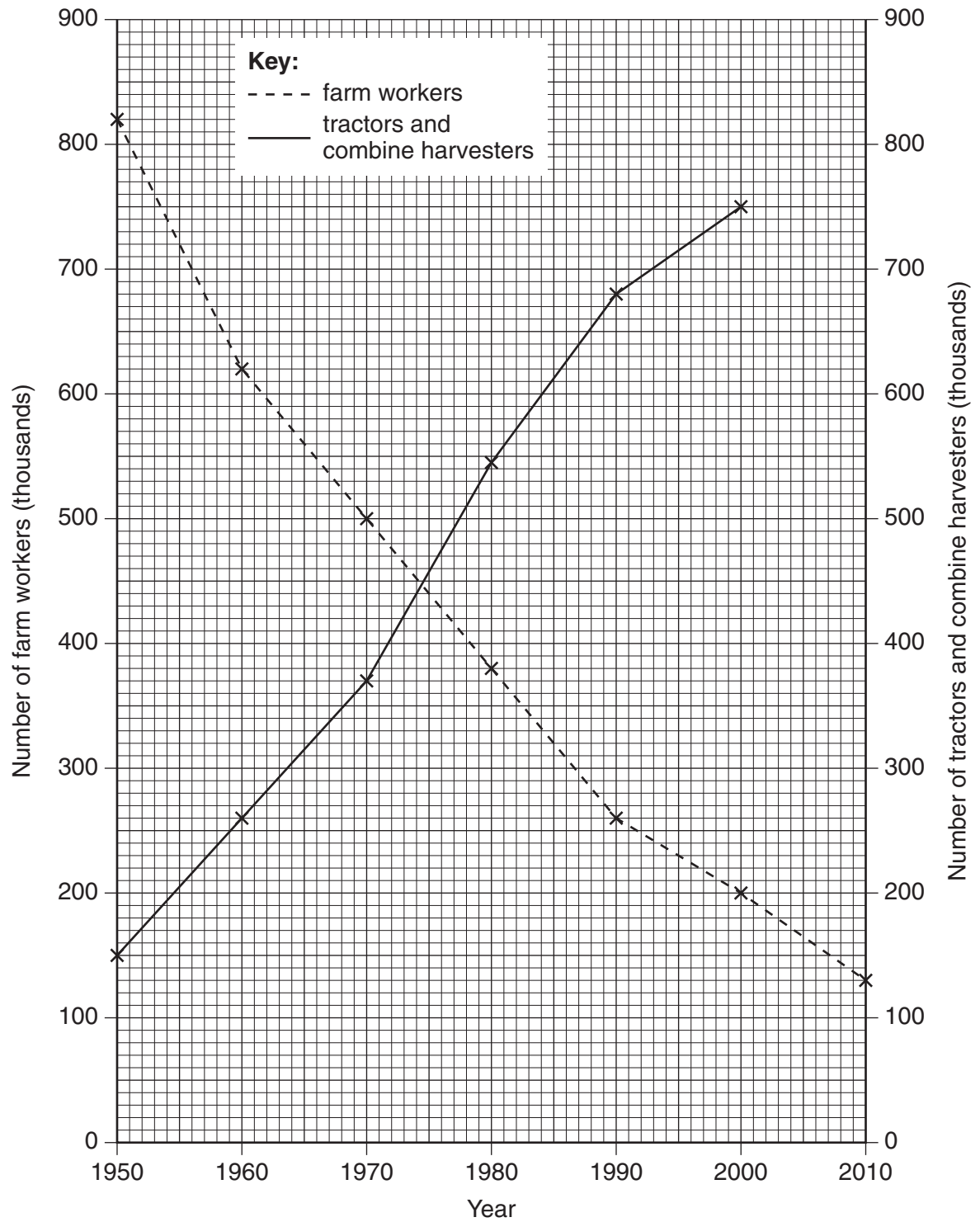


Fig. 3 Changes in farming in the UK over time

(c) Study Diagram I in the Resource Booklet

Identify **two** changes that have taken place on the farm between 1960 and 2010.
Suggest **one** reason for each change.

Change 1

Reason

.....

Change 2

Reason

..... **[4]**

(d) (i) Many farmers use some of their land and buildings for purposes other than farming.
This is called 'diversification'.

Give **two** examples of diversification on farms.

1

.....

2

..... **[2]**

(ii) Give **one** reason why a farmer may use some land and buildings in new ways.

.....

..... **[1]**

- (e) For a named LEDC, give an example of a type of farming you have studied. Describe the farming system.

Name of LEDC

Type of farming

Description

.....

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.....

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..... [5]

[Total: 19]

4 (a) Study Fig. 4a.

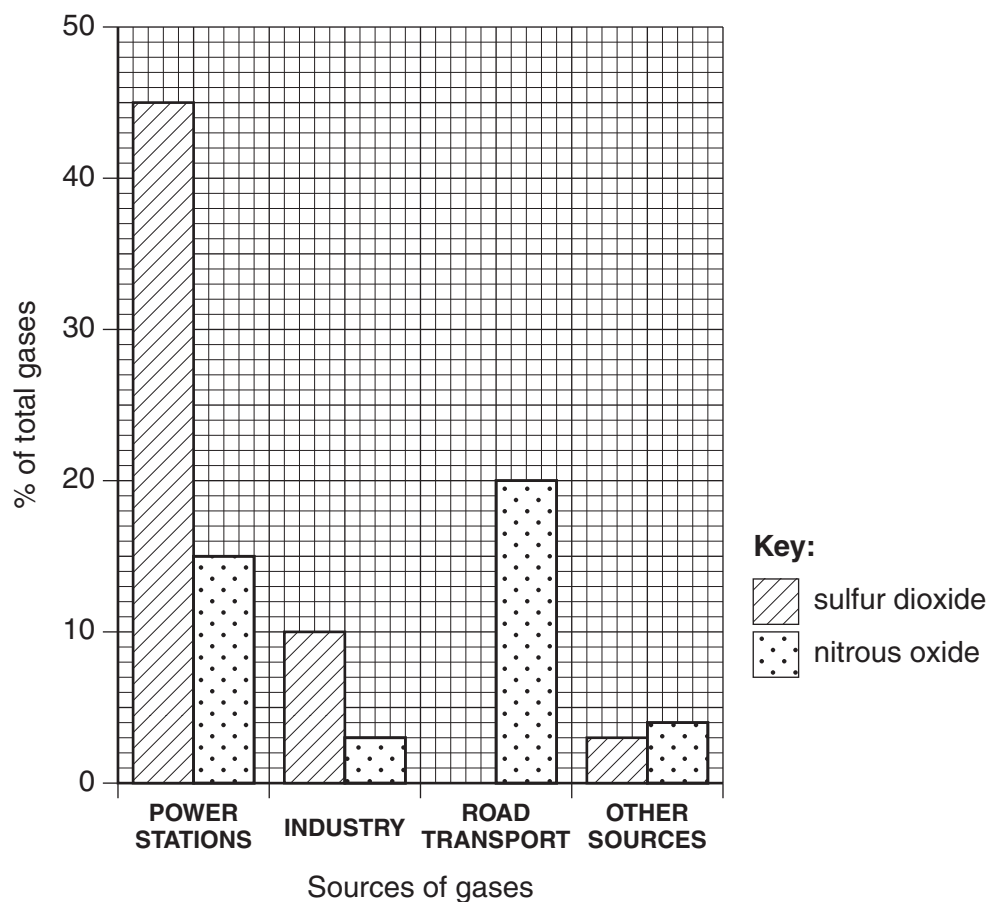


Fig. 4a Bar graph showing sources of gases which cause acid rain

(i) From Fig. 4a, name the **two** gases which cause acid rain.

1 2 [1]

(ii) Put the following sources of acid rain into rank order (from highest to lowest).

Industry

Road transport

Power stations

Highest

.....

Lowest

[1]

(iii) Explain why gases which form acid rain may come from other countries.

.....

..... [1]

(b) Study Map J in the Resource Booklet.

Describe the location of the area in Europe with the highest risk of acid rain.

.....

.....

.....

..... [2]

(c) Study Fig. 4b.

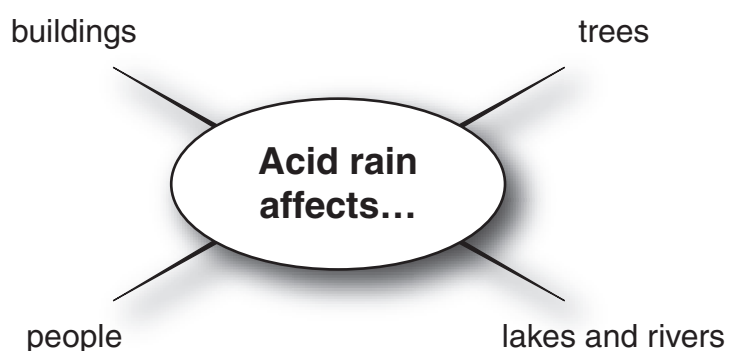


Fig. 4b Effects of acid rain

(i) Describe the effects of acid rain.

.....

.....

.....

.....

.....

.....

.....

..... [4]

(ii) Suggest **two** ways to reduce the problems caused by acid rain.

1

.....

2

..... [2]

(d) Another major environmental problem is **global warming**.

(i) Describe how global warming occurs.

.....

.....

.....

.....

.....

..... [3]

(ii) Describe the likely effects of global warming on **named areas** you have studied.

.....

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..... [5]

[Total: 19]

Additional Pages:

If you use these lined pages to complete an answer to any question, the question number **must** be clearly shown.

This image shows a full page of white paper with horizontal dotted lines. The lines are evenly spaced and run across the width of the page, providing a guide for handwriting practice. There are no margins, text, or other markings on the page.

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