GradeMax

Cambridge Assessment International Education

Cambridge IGCSE™

CANDIDATE NAME									
CENTRE NUMBER						CANDIDATE NUMBER			

5283465970

GEOGRAPHY **0460/23**

Paper 2 Geographical Skills **October/November 2023**

1 hour 30 minutes

You must answer on the question paper.

You will need: Insert (enclosed)
1:25 000 survey map (enclosed)
Calculator
Plain paper
Protractor
Ruler

INSTRUCTIONS

- Answer **all** questions.
- Use a black or dark blue pen. You may use an HB pencil for any diagrams or graphs.
- Write your name, centre number and candidate number in the boxes at the top of the page.
- Write your answer to each question in the space provided.
- Do **not** use an erasable pen or correction fluid.
- Do **not** write on any bar codes.
- If additional space is needed, you should use the lined pages at the end of this booklet; the question number or numbers must be clearly shown.

INFORMATION

- The total mark for this paper is 60.
- The number of marks for each question or part question is shown in brackets [ ].
- The insert contains additional resources referred to in the questions.

MEDC – More Economically Developed Country
LEDC – Less Economically Developed Country

This document has **16** pages. Any blank pages are indicated.

DC (LK/FC) 312833/4
© UCLES 2023

[Turn over

GradeMax

1 Study the map extract for Kilwinning, Scotland. The scale is 1:25 000.

(a) Study Fig. 1.1, which shows some of the features in Kilwinning.

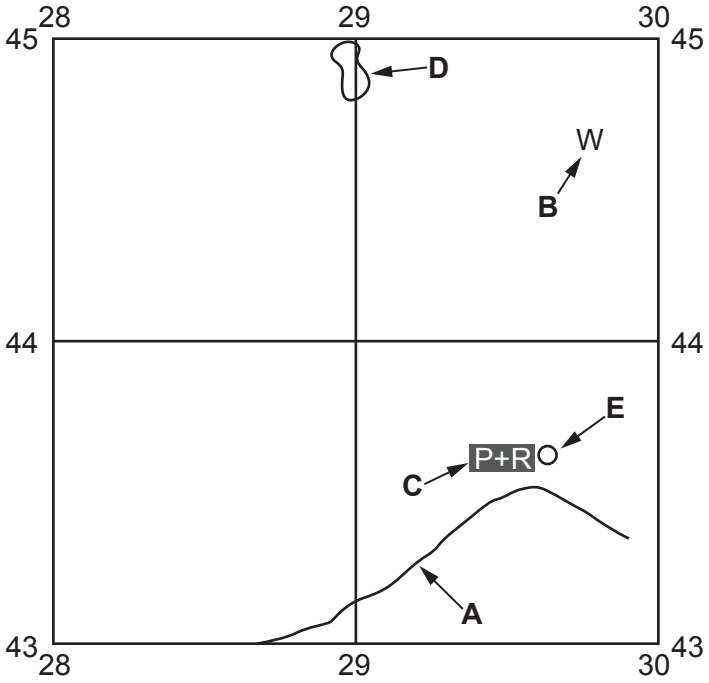

Fig. 1.1

Using the map extract, identify the following features shown in Fig. 1.1, part of the town of Kilwinning:

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

..... [1]

(ii) feature **B**

..... [1]

(iii) feature **C**

..... [1]

(iv) the height above sea level of the contour line at **D**.

..... metres [1]

(b) Study Fig. 1.1 and the map extract.

(i) Using the map extract, measure the distance along the railway line from the railway station at Kilwinning (**E**) to the northern edge of the map extract.

..... km [1]

(ii) What is the six-figure grid reference for the railway station at Kilwinning?

..... [1]

© UCLES 2023

(c) Fig. 1.2 is a cross-section along northing 455 from 260455 to 290455.

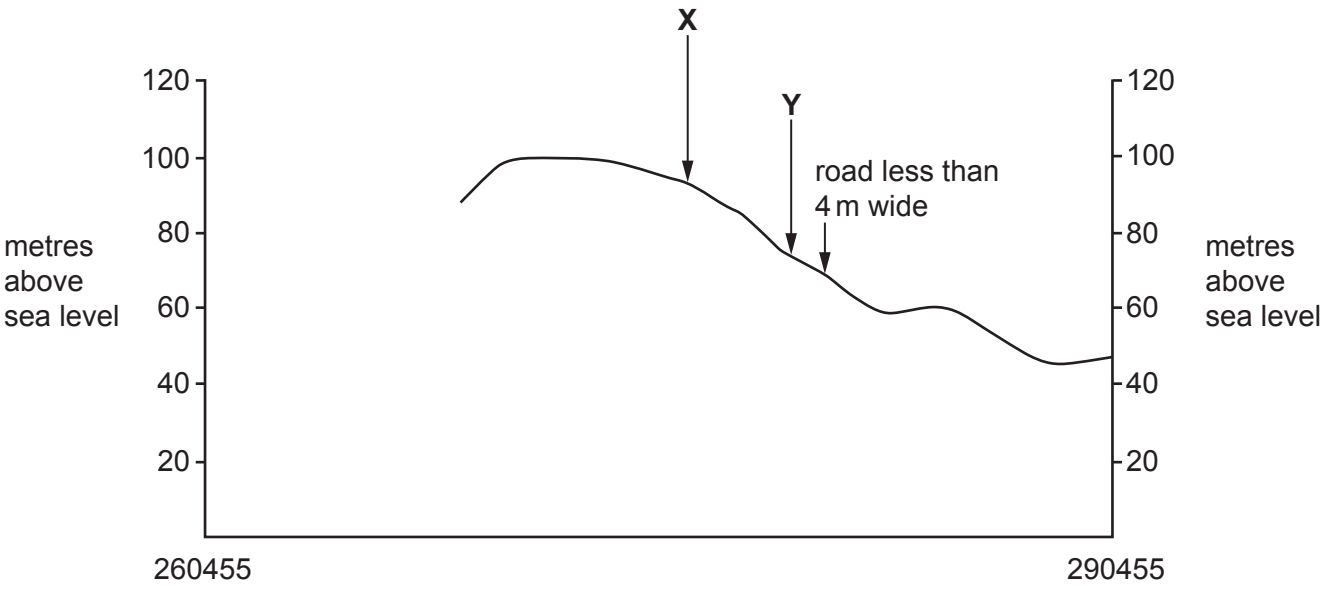

Fig. 1.2

(i) Identify the feature at **X**.

..... [1]

(ii) Identify the feature at **Y**.

..... [1]

(iii) The cross-section shown in Fig. 1.2 is incomplete. Using information from the map extract, draw a line on Fig. 1.2 to **complete the cross-section**. [2]

(d) Describe the distribution of the trees (woodland) on the map extract.

.....

.....

.....

.....

.....

..... [3]

© UCLES 2023

GradeMax

(e) Using map evidence, describe the site and functions of the settlement of Kilwinning.

site .....

.....

.....

.....

.....

.....

.....

functions .....

.....

.....

.....

.....

.....

..... [7]

[Total: 20]

© UCLES 2023

GradeMax

BLANK PAGE

2 Study Fig. 2.1, which shows the population structure of inner and outer London, a city in the UK.

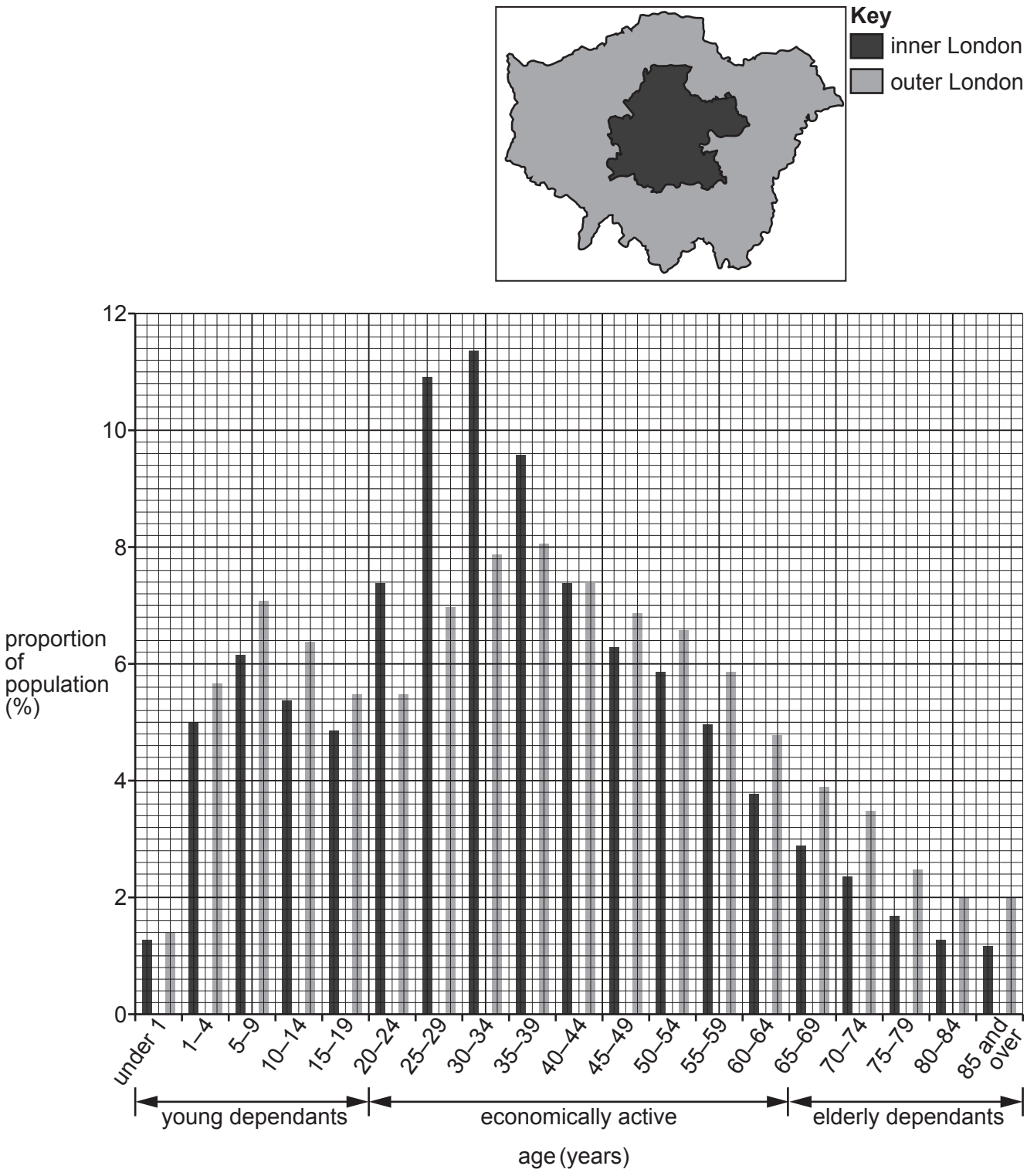

Fig. 2.1

(a) **(i)** In inner London what proportion of the population are aged 1–4 years?

..... % [1]

(ii) Suggest another type of graph which could be used to show the information in Fig. 2.1.

..... [1]

(iii) Suggest why there is a large number of people aged 30–34 years in inner London.

..... [1]

(b) Using Fig. 2.1, compare the differences in the population structures of inner and outer London. Do **not** use statistics in your answer.

young dependants .....

.....

economically active .....

.....

elderly dependants .....

..... [3]

(c) London has an ageing population. Suggest **two** problems this may cause for the economy.

1 .....

.....

2 .....

..... [2]

[Total: 8]

GradeMax

3 Study Fig. 3.1 (Insert), a photograph of a river meander and its valley.

(a) Using Fig. 3.1, tick the correct answers to identify the features shown. Place **one** tick (✓) in each row.

	X	**Y**	**Z**
river cliff			
slip-off slope			
flood plain			

[3]

(b) Suggest how and why the meander will change over time.

.....

.....

.....

.....

.....

.....

.....

.....

.....

..... [5]

[Total: 8]

© UCLES 2023

GradeMax

4 Study Fig. 4.1, which shows the main causes of global deforestation between 2001 and 2015.

Content removed due to copyright restrictions.

Fig. 4.1

(a) (i) Which region has the largest area of deforestation?

..... [1]

(ii) Identify the main cause of deforestation in Russia, China and South Asia.

..... [1]

(iii) Which cause of deforestation affects all regions?

..... [1]

GradeMax

(b) Study Fig. 4.2 (Insert), which shows an area of Brazil that has been partially deforested.

(i) Identify the type of farming shown in Fig. 4.2.

..... [1]

(ii) Describe the vegetation shown in Fig. 4.2.

.....

.....

.....

.....

.....

.....

.....

..... [4]

[Total: 8]

© UCLES 2023

5 Fig. 5.1 shows the number of tractors per 100 000 km^2 of agricultural land between 1988 and 2000 in Bhutan, a country in Asia.

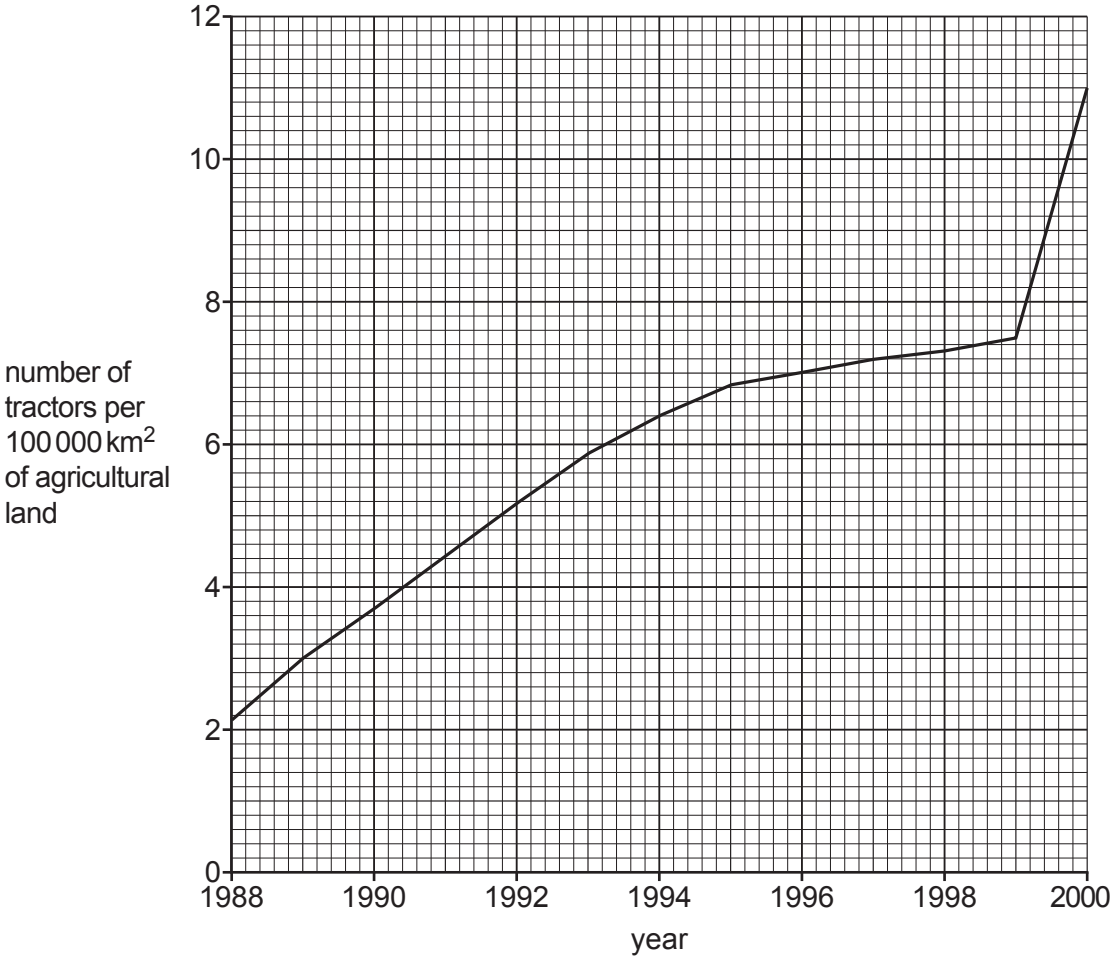

Fig. 5.1

(a) Describe the changes shown in the number of tractors in Bhutan between 1988 and 2000. Use statistics to support your answer.

.....

.....

.....

.....

.....

.....

.....

..... [4]

GradeMax

(b) Fig. 5.2 (Insert) shows a tractor in Bhutan. Suggest **two** advantages and **two** disadvantages of increasing the number of tractors in countries such as Bhutan.

advantages .....

.....

.....

.....

disadvantages .....

.....

.....

..... [4]

[Total: 8]

© UCLES 2023

6 Study Fig. 6.1, showing the locations of the headquarters of the largest transnational corporations (TNCs) in the world.

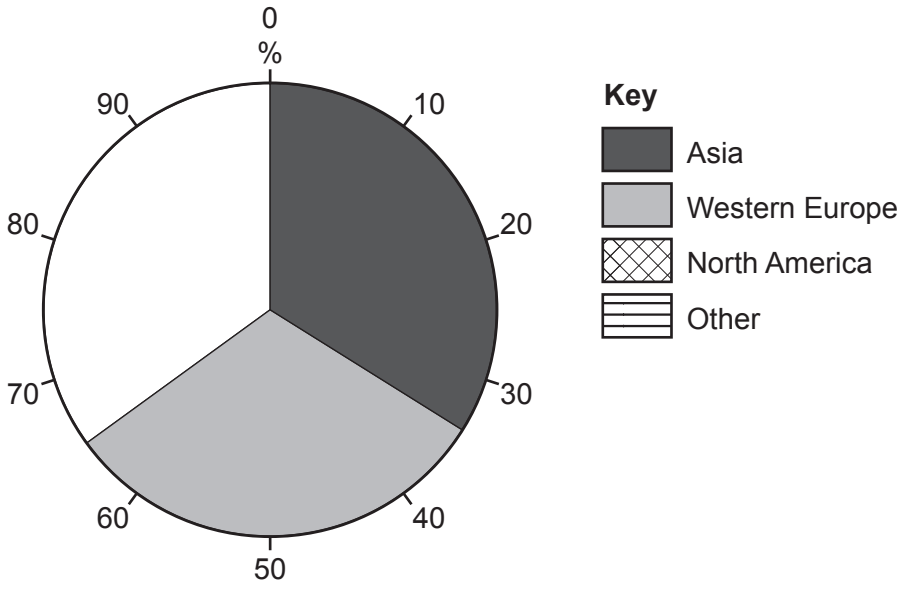

Fig. 6.1

(a) **Complete** Fig. 6.1 using the following information:

North America 29%
Other 6%.

[2]

Study Fig. 6.2, which shows the ten most wealthy transnational corporations (TNCs) in the world in 2006 and 2016.

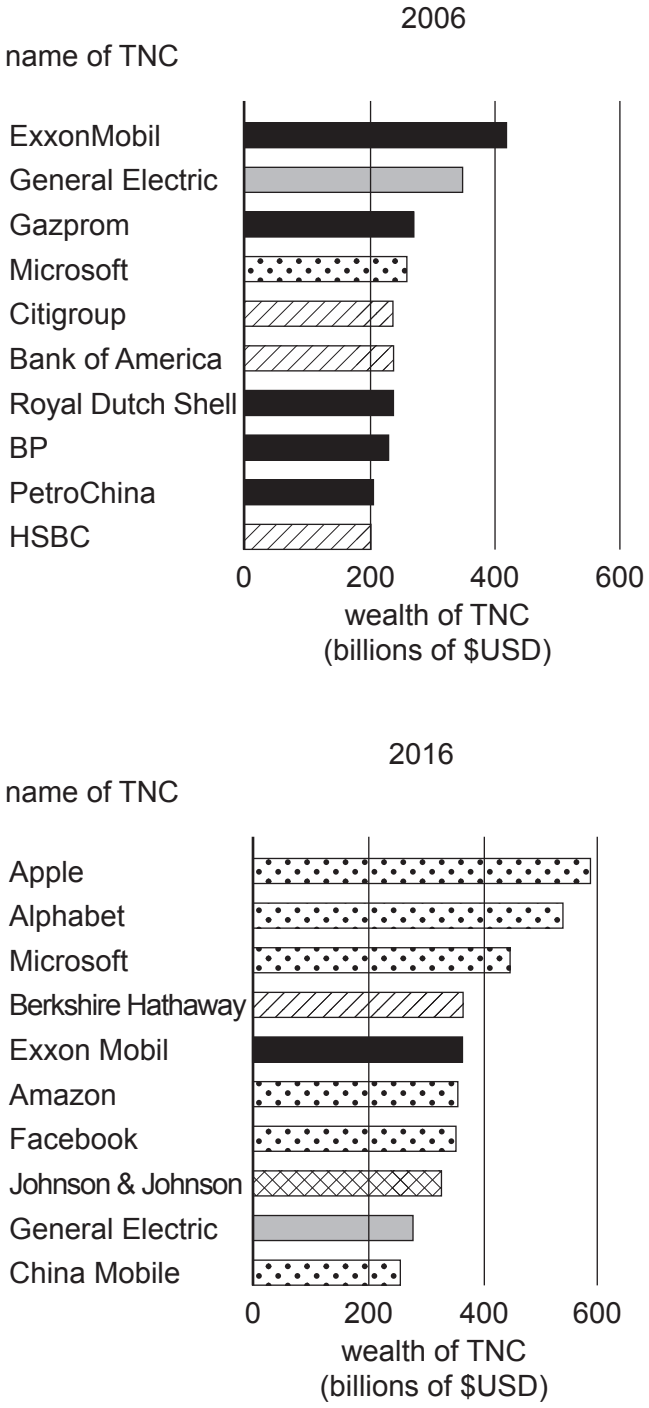

Fig. 6.2

© UCLES 2023

GradeMax

(b) **Complete** the following passage to describe the changes shown between 2006 and 2016 in Fig. 6.2.

In 2006 half of the wealthiest TNCs were in the ..... sector, whereas in 2016 most of the TNCs were in the ..... sector. Only ..... named TNCs were in the top ten for both 2006 and 2016. The overall wealth of TNCs had ..... in 2016 and all TNCs earned more than $USD ..... billion. A new sector, ... , joined the top ten in 2016, but no TNCs in this sector were listed in 2006. [3]

(c) Study Fig. 6.3 (Insert), which shows a high-tech industry.

Describe the features of the high-tech industry shown in Fig. 6.3.

.....

.....

.....

.....

.....

..... [3]

[Total: 8]

© UCLES 2023

GradeMax

Additional page

If you use the following page to complete the answer to any question, the question number must be clearly shown.

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

The boundaries and names shown, the designations used and the presentation of material on any maps contained in this question paper/insert do not imply official endorsement or acceptance by Cambridge Assessment International Education concerning the legal status of any country, territory, or area or any of its authorities, or of the delimitation of its frontiers or boundaries.

Permission to reproduce items where third-party owned material protected by copyright is included has been sought and cleared where possible. Every reasonable effort has been made by the publisher (UCLES) to trace copyright holders, but if any items requiring clearance have unwittingly been included, the publisher will be pleased to make amends at the earliest possible opportunity.

To avoid the issue of disclosure of answer-related information to candidates, all copyright acknowledgements are reproduced online in the Cambridge Assessment International Education Copyright Acknowledgements Booklet. This is produced for each series of examinations and is freely available to download at www.cambridgeinternational.org after the live examination series.

Cambridge Assessment International Education is part of Cambridge Assessment. Cambridge Assessment is the brand name of the University of Cambridge Local Examinations Syndicate (UCLES), which is a department of the University of Cambridge.

© UCLES 2023