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GEOGRAPHY

0460/11

Paper 1 Geographical Themes

October/November 2023

1 hour 45 minutes

You must answer on the question paper.

You will need: Insert (enclosed)
 Calculator
 Ruler

INSTRUCTIONS

- Answer **three** questions in total, **one** from each section.
- 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 75.
- The number of marks for each question or part question is shown in brackets [].
- The insert contains additional resources referred to in the questions.

Definitions

MEDCs – More Economically Developed Countries

LEDCs – Less Economically Developed Countries

This document has **28** pages. Any blank pages are indicated.

Section A

Answer **one** question from this section.

- 1 (a) Study Fig. 1.1, information about the number of emigrants from four different parts of the world.

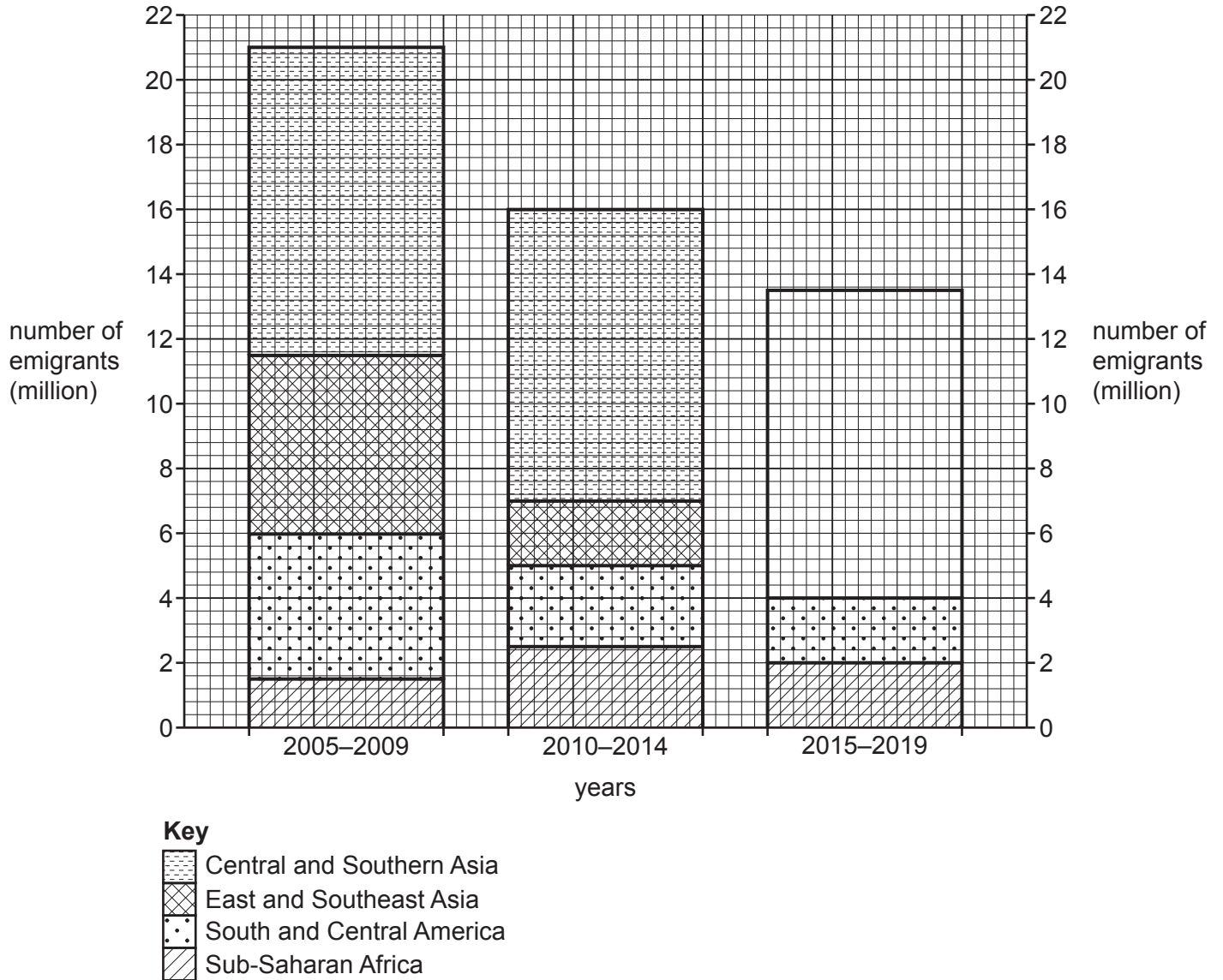


Fig. 1.1

- (i) What was the total number of emigrants from the four parts of the world shown in Fig. 1.1 between 2005 and 2009?

..... million [1]

- (ii) **Complete Fig. 1.1** to show the following information about the number of emigrants between 2015 and 2019.

East and Southeast Asia = 3 million

Central and Southern Asia = 6.5 million [2]

- (iii) Using Fig. 1.1, describe the change in the number of emigrants from different parts of the world between the periods 2005–2009 and 2010–2014.

Do **not** use statistics in your answer.

.....

 [3]

- (iv) Suggest **two** advantages and **two** disadvantages for LEDCs of large numbers of people moving away from them.

advantage 1

.....

advantage 2

.....

disadvantage 1

.....

disadvantage 2

..... [4]

(b) Study Fig. 1.2, which shows information about the main migrations of workers in Southeast Asia.

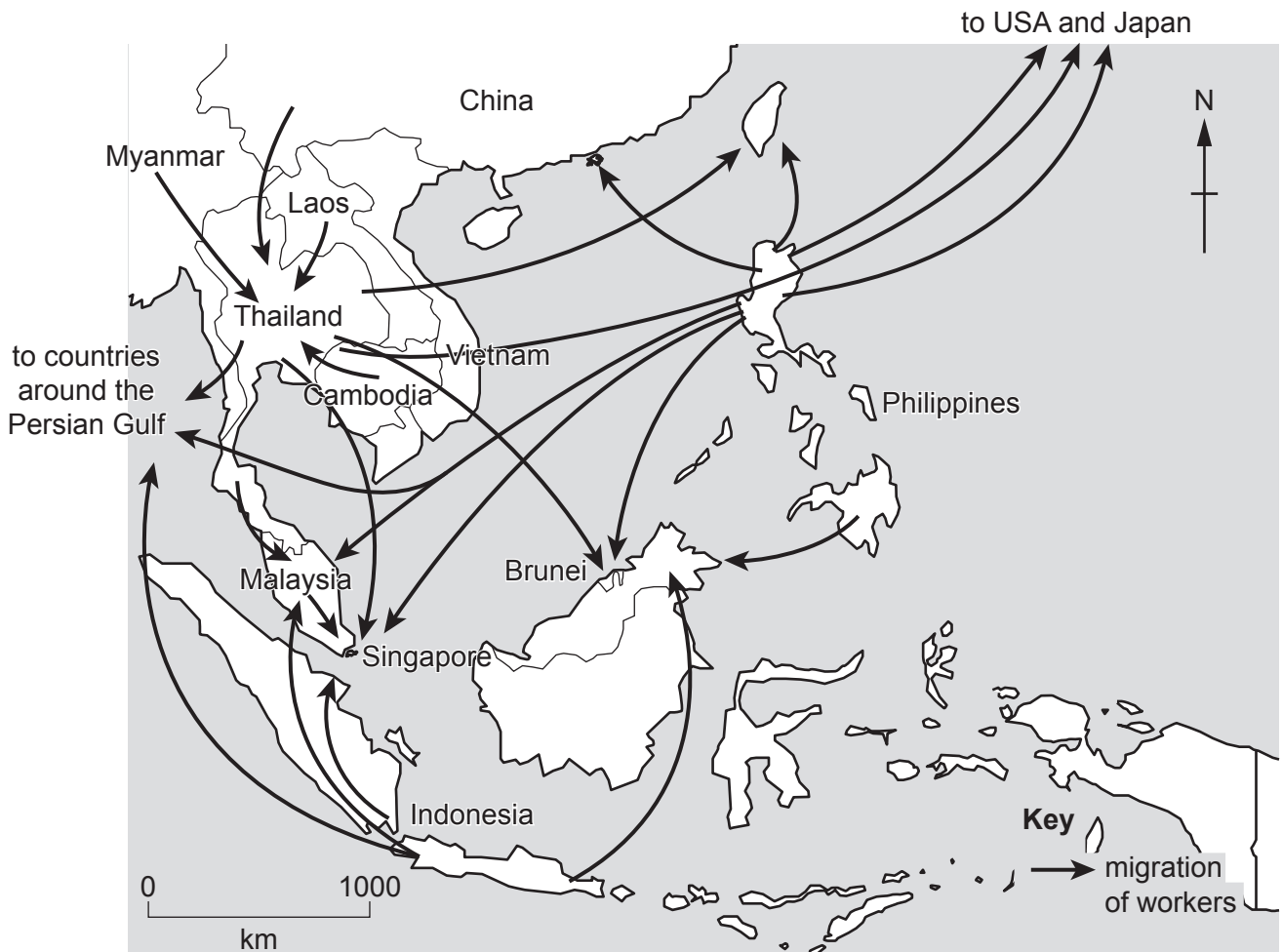


Fig. 1.2

(i) Identify the following:

– a country from which many workers migrate to Thailand

.....

– a country to which many workers migrate from the Philippines

.....

– a country which has many workers migrating both to and from it.

.....

[3]

- (ii) Suggest reasons why many workers and their families move away from LEDCs such as the Philippines.

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..... [5]

- (c)** For a named country or area you have studied, explain why it has a **low population density**.

Name of country or area

[7]

[Total: 25]

2 (a) Study Fig. 2.1 (Insert), a photograph of a settlement in Croatia (an MEDC in Europe).

(i) What type of rural settlement is marked by **X** on Fig. 2.1?

Circle **one** of the following.

dispersed linear nucleated [1]

(ii) Using evidence from Fig. 2.1, identify **two** resources which would have been useful for the people who first settled at **X**.

1

2 [2]

(iii) Describe the site and situation of settlement **X**.

.....

 [3]

(iv) Suggest **two** reasons why the settlement at **X** has remained small and not grown into an urban area. Develop your answers.

1

2

 [4]

- (b) Study Fig. 2.2, a graph showing the results of a survey in the USA (an MEDC) about where people would like to live.

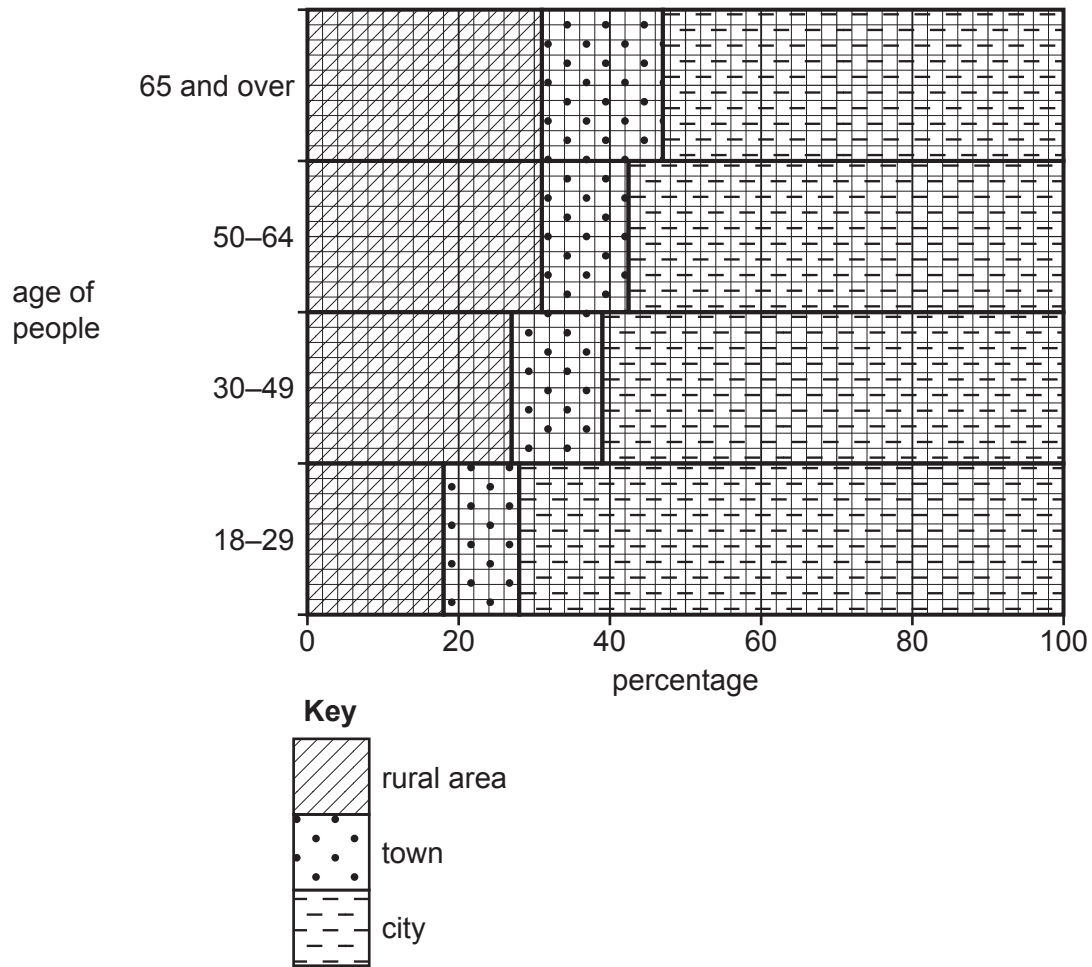


Fig. 2.2

- (i) Using information from Fig. 2.2, compare the results of the people aged 18–29 and 50–64 who completed the survey.
Do **not** use statistics in your answer.

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..... [3]

- (ii) Suggest reasons why many people aged 65 and over would like to live in a rural area.

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..... [5]

- (c)** For a named **urban area** you have studied in an **LEDC**, explain why large numbers of people migrate to it from surrounding rural areas.

Name of urban area

..... [7]

[7]

[Total: 25]

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Section B

Answer **one** question from this section.

- 3 (a) Study Fig. 3.1 (Insert), information about earthquakes which have occurred in and around Indonesia (an LEDC in Southeast Asia) between 1900 and 2019.

- (i) How many earthquakes of a magnitude between 8.0 and 8.9 occurred in the area shown on Fig. 3.1 between 1900 and 2019?

..... [1]

- (ii) Using Fig. 3.1, describe the distribution of earthquakes.

.....

 [2]

- (iii) Suggest **three** likely impacts of earthquakes in Indonesia.

1

 2

 3
 [3]

- (iv) Explain why many people still live in areas where earthquakes occur.

.....

 [4]

(b) Study Fig. 3.2 (Insert), a photograph of the main crater of Mount Vesuvius, a volcano in Italy.

(i) Describe the landscape of the crater shown in Fig. 3.2.

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..... [3]

(ii) Explain the advantages of living close to a volcano such as Mount Vesuvius.

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..... [5]

- 4 (a) Study Fig. 4.1, which shows traditional instruments used in a weather station. Fig. 4.2 (Insert) is a photograph showing one of these instruments.

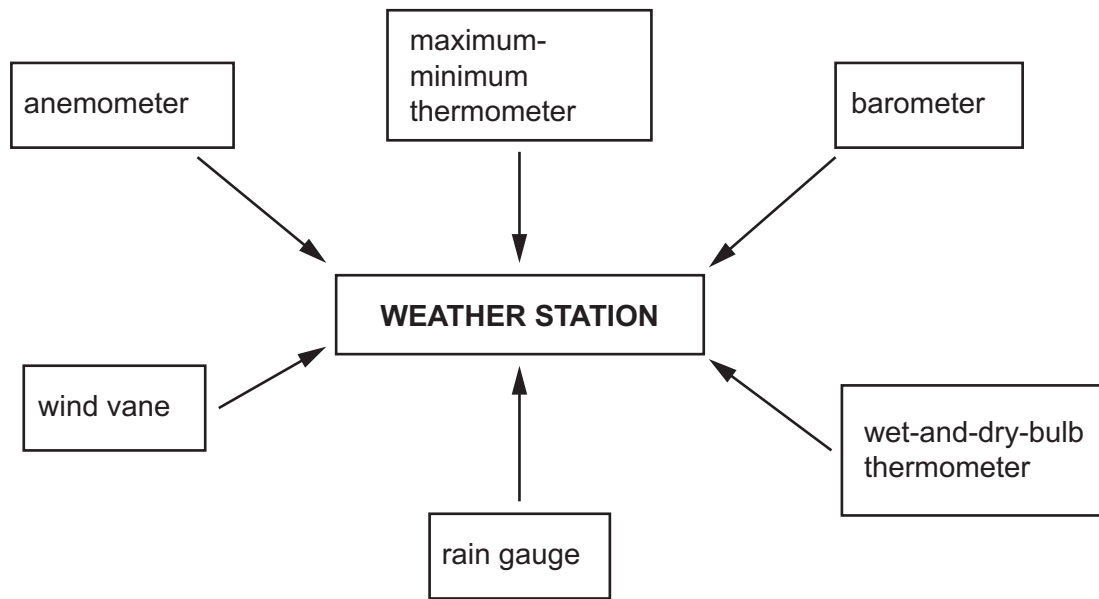


Fig. 4.1

- (i) Which of the weather instruments listed in Fig. 4.1 is shown in Fig. 4.2?
 [1]
- (ii) Describe the method used to take readings from the weather instrument shown in Fig. 4.2.

 [2]
- (iii) Identify the **three** weather instruments listed in Fig. 4.1 which are kept in a Stevenson Screen.
 1
 2
 3 [3]

- (iv) Explain why some weather instruments are kept in a Stevenson Screen.

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..... [4]

- (b) Study Fig. 4.3, a diagram of a digital weather station which has been bought by a school.
Fig. 4.4 (Insert) is a photograph showing where the weather station is going to be located.

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Fig. 4.3

- (i) Describe **three** benefits of using a digital weather station rather than traditional instruments.

1

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2

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3

..... [3]

- (ii) The school is considering locating the digital weather station at **X** in Fig. 4.4.
Explain the **disadvantages** of this site.

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..... [5]

- (c) For an **equatorial area** you have studied, describe and explain the characteristics of the climate.

Name of equatorial area

..... [7]

[7]

[Total: 25]

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Section C

Answer **one** question from this section.

- 5 (a) Study Fig. 5.1, a map showing information about the main coal-using countries.

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Fig. 5.1

- (i) How much coal is used per year in Australia?

..... million oil-equivalent tonnes.

[1]

- (ii) Put the following countries in rank order of the amount of coal used per year.

Brazil China Russia United States

1st most

2nd

3rd

4th least

[2]

- (iii) Using Fig. 5.1, describe the global distribution of the main coal-using countries.

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..... [3]

- (iv) Explain how the use of coal increases global temperatures.

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..... [4]

- (b) Study Fig. 5.2, a scatter graph showing the relationship between GDP per person and the use of electricity per person in 2019. GDP per person is a measure of wealth.

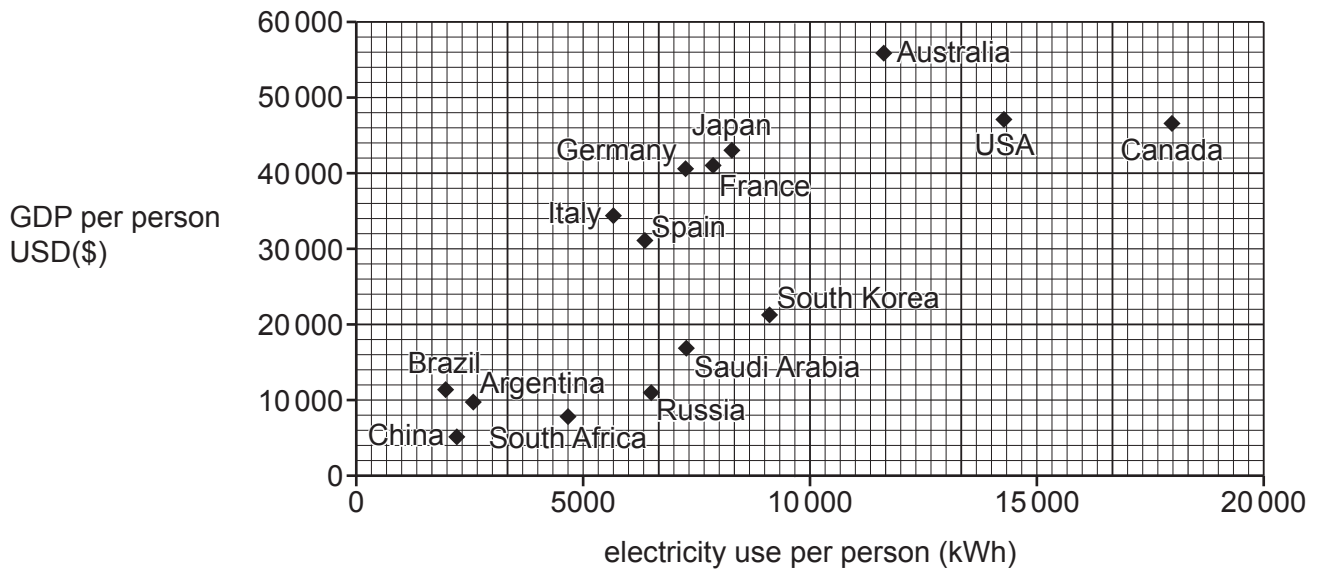


Fig. 5.2

- (i) Describe the relationship between GDP per person and the use of electricity per person. Use statistics to support your answer.

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..... [3]

- (ii) Explain why there is a relationship between the wealth of a country and the amount of electricity it uses.

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..... [5]

- (c)** For a named country you have studied, describe and explain the importance of renewable energy supplies.

Name of country

..... [7]

6 (a) Study Fig. 6.1 (Insert), a map showing information about economic activity in South Korea.

(i) Which **one** of the following statements about the distribution of economic activity in South Korea is correct?

Tick (✓) **one** statement in the table.

	tick (✓)
all clustered in the east of the country	
close to the border with North Korea	
mainly on or close to the coast	
spread evenly across the country	

[1]

(ii) Using Fig. 6.1, identify the following:

– a major fishing port

– a location where hydro-electric power is generated. [2]

(iii) Describe the similarities and differences in the economic activity at Kwangju and Ulsan.

similarities

.....

differences

.....
 [3]

(iv) Using evidence from Fig. 6.1, explain **two** different reasons for the growth of industry in the north-east of South Korea, in and around Mukhojin-ni.

1

2

 [4]

- (b) Study Fig. 6.2, information about the value of production from selected industries in South Korea.

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Fig. 6.2

- (i) Compare the value of production from the car assembly and metals production industries in South Korea in 2007, 2012 and 2017. Use statistics to support your answer.

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..... [3]

- (ii) Many of the industries shown in Fig. 6.2 are part of transnational corporations. Describe the advantages and disadvantages of transnational corporations for LEDCs.

advantages

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.....

.....

disadvantages

.....

.....

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..... [5]

- (c)** Name and locate an economic activity you have studied. Explain how this economic activity threatens the natural environment.

Name of economic activity

Location

..... [7]

[Total: 25]

[illegible]

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