



--

--	--	--	--	--

--	--	--	--

2230/02

May/June 2017

1 hour 30 minutes

Candidates answer on the Question Paper.

Additional Materials:

Protractor

Ruler

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 an HB pencil for any diagrams or graphs.

Do not use staples, paper clips, glue or correction fluid.

DO **NOT** WRITE IN ANY BARCODES.

Answer **all** questions.

The Insert contains Photograph A for Question 2, Photograph B for Question 3 and Fig. 7 for Question 5.

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 the 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.

This document consists of **16** printed pages and **1** Insert.

1 Study the map extract of an area of Dominica. The scale is 1:25 000.

(a) (i) State the four figure grid reference of the square containing the settlement of St. Joseph.

.....[1]

(ii) What is the straight line distance, in kilometres, from the police station in St. Joseph to the police station in Mahaut?

.....[1]

(iii) In what compass direction is the police station in Mahaut from the police station in St. Joseph?

.....[1]

(iv) Name **two** more services, other than the police station, found in St. Joseph.

1

2[2]

(v) Compare the size and shape of the settlement of St. Joseph with the settlement of Mahaut.

- size

.....

.....

- shape

.....

.....[2]

(vi) Give a six figure grid reference for the bridge over the Belfast River, north-west of Mahaut.

.....[1]

(b) (i) Name **two physical** features found along the coast in grid square 6003.

1

2[2]

(ii) State the height of the trigonometrical station on Desjardin located in grid square 6200.

.....[1]

- (iii) Compare the relief of the summit of Desjardin with the land called Deux Jardins to the west of the summit.

.....

.....

.....

.....[2]

- (c) Fig. 1 shows part of the area in the north of the map extract.

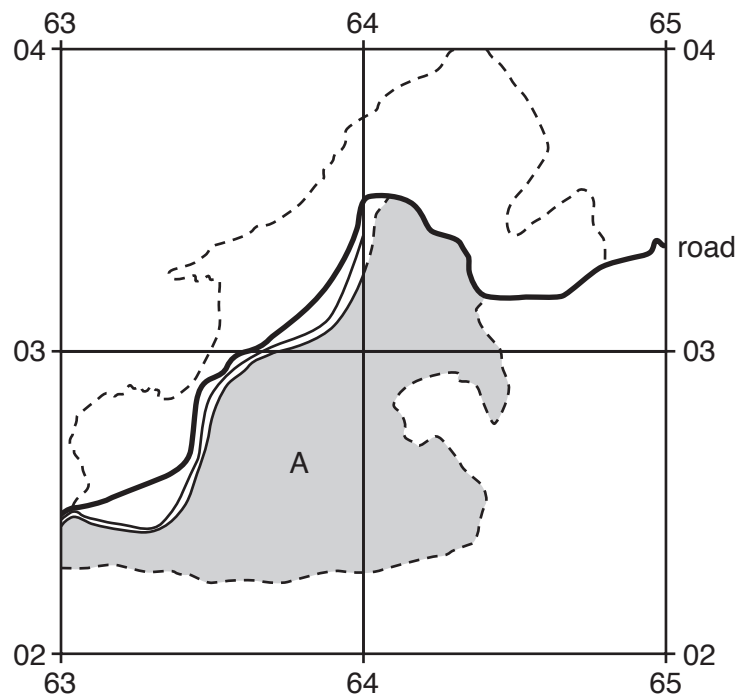


Fig. 1

- (i) State the total area covered by the grid squares in Fig. 1. Give your answer in square kilometres.

.....[1]

- (ii) Name the plantation crop grown in area A on Fig. 1.

.....[1]

- (iii) Use the map extract to **complete Fig. 1** as follows:

- draw the river in grid square 6403
 - write the name of the river
 - add an arrow to show the direction the river is flowing
- [3]

- (iv) On Fig. 1, mark with a dot and label with the correct letter the position of:

- a hotel (**H**)
 - a bridge across the river (**B**)
- [2]

[Total: 20 marks]

- 2 (a) Fig. 2 shows the number of international tourist arrivals in Brunei between 2004 and 2013.

International tourist arrivals in Brunei 2004 – 2013

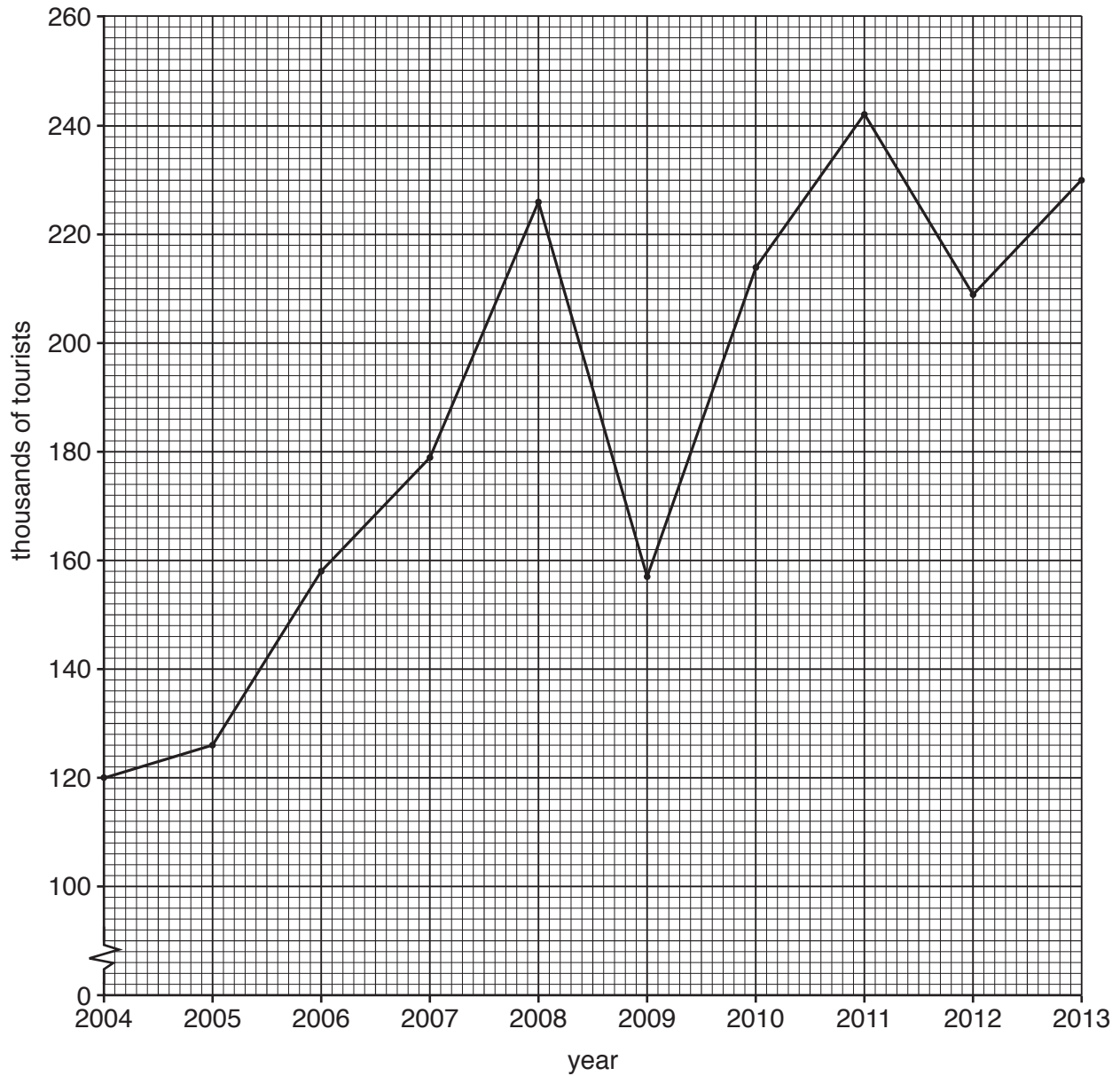


Fig. 2

- (i) What is the overall trend shown on the line graph?

.....[1]

- (ii) Calculate the difference in the number of tourist arrivals in 2013 compared to 2004.

.....[1]

- (iii) In which years did tourist numbers go down?

.....[1]

- (iv) Suggest **two** reasons why the number of tourist arrivals might decrease in some years.

.....

.....

.....

.....[2]

- (b) Fig. 3 shows the route of an 11-day cruise of Taiwan, the Philippines and Brunei.

11-day cruise of Taiwan, the Philippines and Brunei

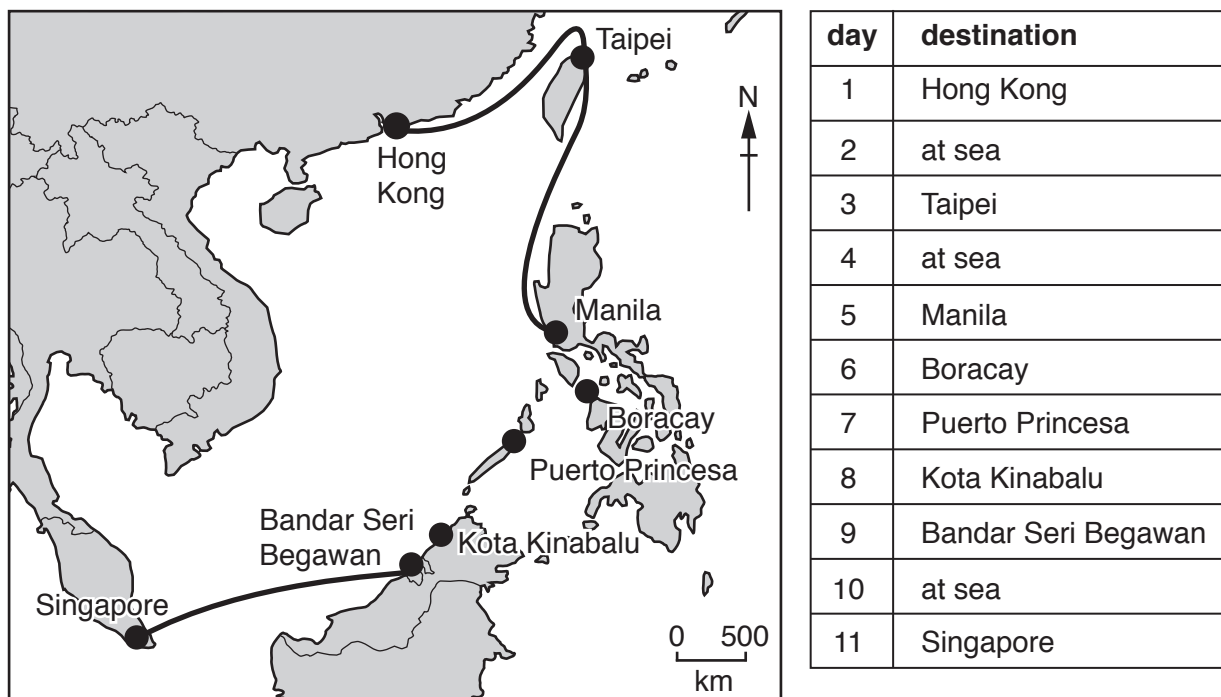


Fig. 3

- (i) Use the information in the table to complete **on Fig. 3** the route taken by the cruise ship. [1]
- (ii) Add an arrow **on Fig. 3** to show the direction the cruise ship will travel. [1]

(c) Photograph A (Insert) shows a poster to encourage tourists to go to Brunei.

Explain how the photographs on the poster encourage tourists to go to Brunei.

.....

.....

.....

.....

.....

.....[3]

[Total: 10 marks]

TURN OVER FOR QUESTION 3

- 3 (a) Fig. 4 shows the location of the Merapi volcano which erupted in 2010.

Map to show location of Merapi volcano

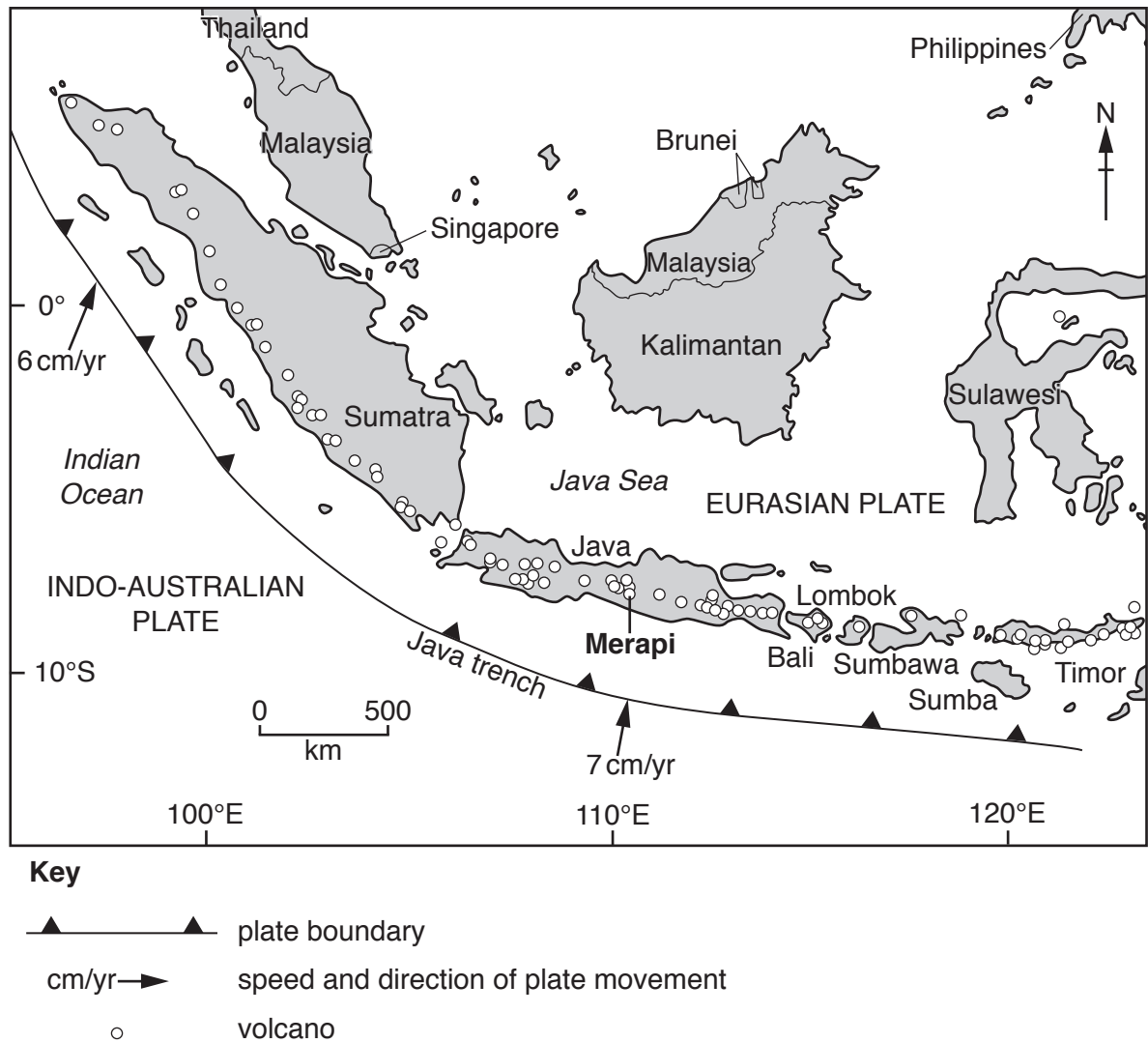


Fig. 4

- (i) Use Fig. 4 to describe the location of the Merapi volcano.

.....

.....

.....

.....[2]

- (ii) Fig. 4 shows that the Indo-Australian plate is moving towards the Eurasian plate. What is the name for this type of plate boundary?

.....[1]

- (iii) In which direction and by how many centimetres per year is the Indo-Australian plate moving?

Direction

Movement cm/yr [2]

- (iv) What is the name of the ocean trench found along this plate boundary?

.....[1]

- (b) Study Photograph B (Insert) which shows Merapi before and after the 2010 eruption.

Describe **three** changes to Merapi.

1

.....

2

.....

3

.....[3]

- (c) Suggest **one** positive result of volcanic eruptions.

.....

.....[1]

[Total: 10 marks]

- 4 (a) Fig. 5 shows the distribution of the world's population in 2000 by latitude.

World population in 2000 by latitude

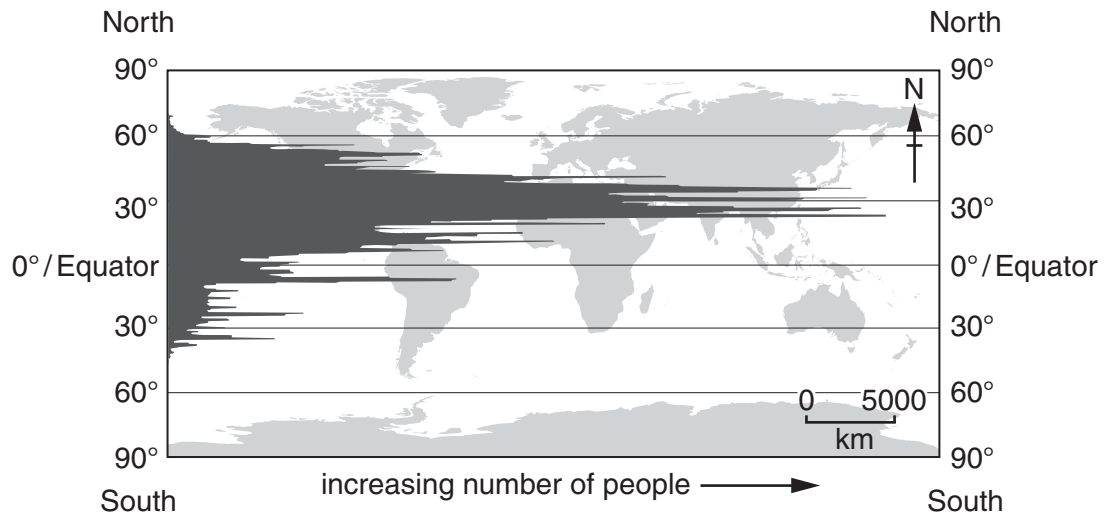


Fig. 5

Describe the distribution of the world's population by latitude as shown in Fig. 5.

.....

.....

.....

.....

.....

.....[3]

TURN OVER FOR QUESTION 4(b)

(b) Fig. 6 shows the population of selected South East Asian countries from 1950 to 2015.

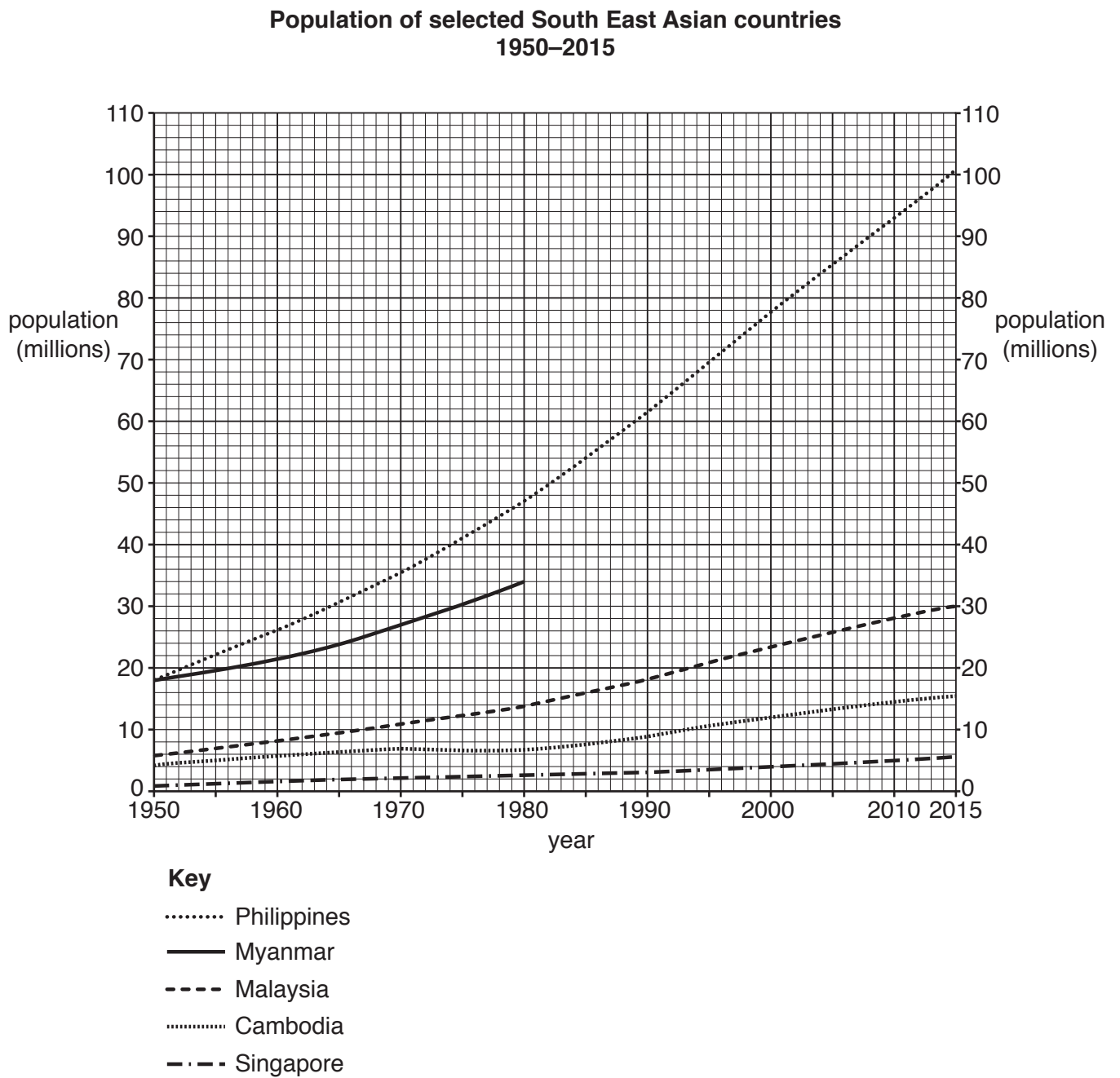


Fig. 6

(i) Use information from the table below to complete the line graph for Myanmar on **Fig. 6**.

Myanmar	1950	1960	1970	1980	1990	2000	2010	2015
population (millions)	18	21	27	34	42	48	52	54

[2]

- (ii) Describe the overall population change in the **Philippines** from 1950 to 2015. Use data from the graph to support your answer.

.....

.....

.....

.....

.....

.....[3]

- (iii) Give **two** strategies that governments can use to influence population change.

1

.....

2

.....[2]

[Total: 10 marks]

- 5 (a) Study Fig. 7 (Insert), which shows oil palm plantations in Malaysia and Indonesia.

For each area listed below, circle the correct answer. One has been completed for you. [3]

- Sarawak

0–2% 3–10% 11–20% 21–40%

- Sabah

0–2% 3–10% 11–20% 21–40%

- Sulawesi

0–2% 3–10% 11–20% 21–40%

- Southern tip of Peninsular Malaysia

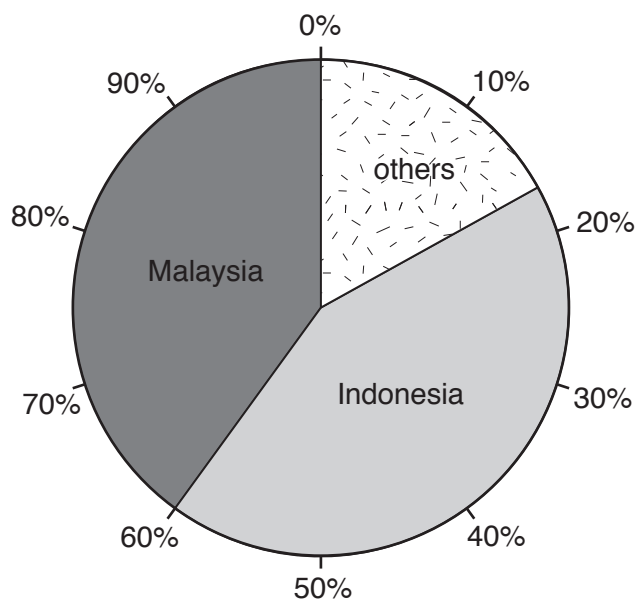
0–2% 3–10% 11–20% 21–40%

- (b) Fig. 8 shows the world production of palm oil in 2011.

Use the pie chart to complete the boxes in the key on Fig. 8.

[1]

World production of palm oil 2011



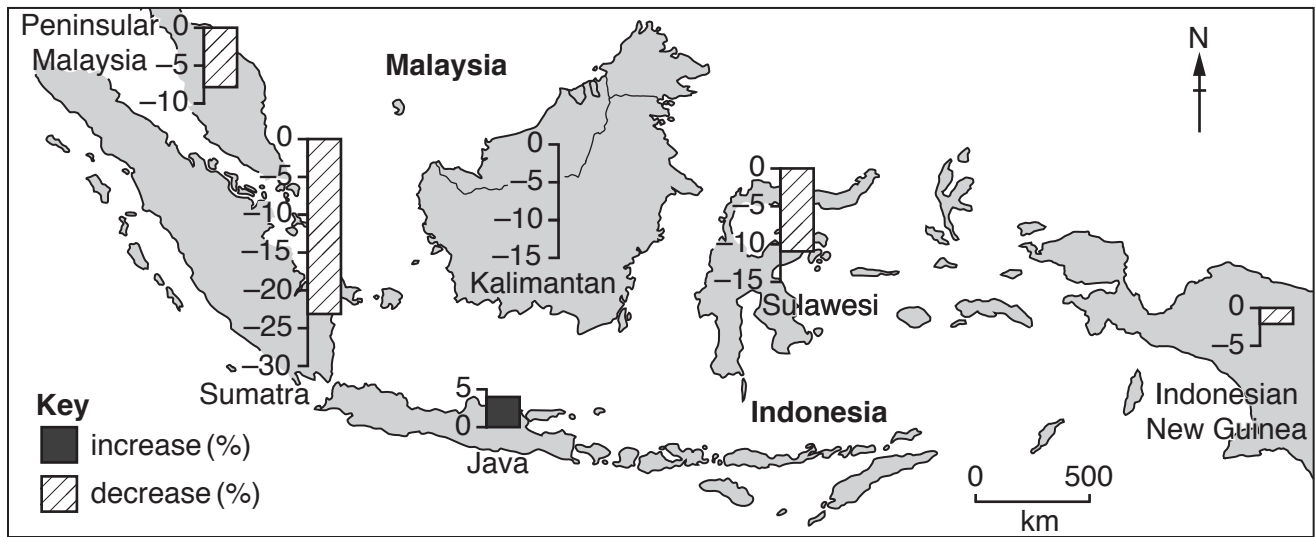
Key

	country	%
	others	17
	Indonesia	
	Malaysia	

Fig. 8

(c) Fig. 9 shows the change in forest cover in Malaysia and Indonesia between 2000 and 2010.

**Change in forest cover in Malaysia and Indonesia
2000–2010**



Kalimantan	-12%
------------	------

Fig. 9

(i) Name the Indonesian island that increased its forest cover between 2000 and 2010.

.....[1]

(ii) Kalimantan decreased its forest cover by 12% between 2000 and 2010.

Use the key **on Fig. 9** to add a bar for Kalimantan.

[1]

(iii) Rank the following areas in order of % forest cover decrease from highest to lowest:

- Peninsular Malaysia
- Sumatra
- Sulawesi
- Kalimantan (completed for you)

	highest % forest cover decrease ↑↓ lowest % forest cover decrease
Kalimantan	

[1]

(iv) Describe an impact of deforestation on each of the following:

- Atmosphere

.....
.....

- Soil

.....
.....

- Animals

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

[Total: 10 marks]

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 International Examinations Copyright Acknowledgements Booklet. This is produced for each series of examinations and is freely available to download at www.cie.org.uk after the live examination series.

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