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BARTLEY SECONDARY SCHOOL

Preliminary Examination

CANDIDATE NAME

CLASS

INDEX
NUMBER

HUMANITIES

2260/02

Secondary 4E5NA
Paper 2 Geography

28 Aug 2025
1 hour 45 mins

Candidates answer on the Question Paper.
Additional Materials: Insert

READ THESE INSTRUCTIONS FIRST

Write your class, register number and name on all the work you hand in.
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.

Answer **three** Questions in total.

Section A

Answer Question 1 **and** Question 2.

Section B

Answer **either** Question 3 **or** Question 4.

The Insert contains additional resources referred to in the questions.

The number of marks is given in brackets [] at the end of each question or part question.

For Examiner's Use		
Section A	Q1	/ 14
	Q2	/ 18
Section B		/ 18
Total		/ 50
Parent Signature:		

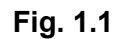
This document consists of **21** printed pages, **3** blank pages and **1** Insert.

Set By: SMY

[Turn over

1 Cluster 1: Geography in Everyday Life

- ## Community event at One Punggol



[4]

- (b) Study Fig. 1.2 (Insert), which shows the location of Tampines MRT station and its surrounding amenities.
)

Using Fig. 1.2, explain the spatial association between Tampines MRT station and its surrounding amenities.

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..... [3]

- (c) A Silver Zone is a designated area, often in residential areas with a high proportion of elderly residents, that implements enhanced road safety measures to prioritise the safety of older pedestrians. These measures include reduced speed limits (30-40 km/h), additional crossing points, and road features like reduced lane widths to slow traffic. A group of students investigated the effectiveness of Silver Zones in increasing pedestrian safety for the elderly.

They used a handheld speed camera to measure the speed of oncoming vehicles at three different timings on a Monday. This was followed by a closed-ended questionnaire survey to collect the views of 20 elderly residents in the neighbourhood.

Fig. 1.3 shows the location, marked with an 'X', where students stood to measure the speed of oncoming vehicles. Table 1.1 (Insert) shows the speed and number of cars. Fig. 1.4 (Insert) shows the responses to the questionnaire survey.

Location at which the students stood to measure the speed of oncoming vehicles



Fig. 1.3

- (i) With reference to Fig. 1.3, suggest a risk that the students may encounter during the fieldwork.

.....[1]

- (ii) Using Table 1.1 and Fig. 1.4, evaluate the effectiveness of Silver Zones in increasing pedestrian safety for the elderly.

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- (iii) Evaluate the validity of the students' findings.

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[Total:14]

2 Cluster 2: Tourism

- (a Study Fig. 2.1 and Table 2.1, which give information on tourist arrivals to Taiwan in 2024.
)



Fig. 2.1

Table 2.1

Number of tourist arrivals to Taiwan in 2024

Month	Number tourist arrivals (Persons)	Remarks
Jan	589961	
Feb	648348	
Mar	811608	
Apr	610146	7.4 magnitude earthquake
May	580000	
June	571510	
July	539454	
Aug	616922	
Sept	575455	5.3 magnitude earthquake
Oct	661115	
Nov	747800	
Dec	903619	

- (i) Using the data in Table 2.1, complete the bar graph in Fig. 2.1 to show the number of tourist arrivals for the month of May.
[1]

[Turn over

- (ii) Using Fig. 2.1 and Table 2.1, account for the change in tourist arrivals to Taiwan from April to July.

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- (b) Describe two characteristics of tourist destination regions in the consolidation stage of the tourism development cycle.

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- (c) Study Fig. 2.2, which shows an official travel guide for tourists in Kyoto, Japan.

An official travel guide for tourists in Kyoto, Japan

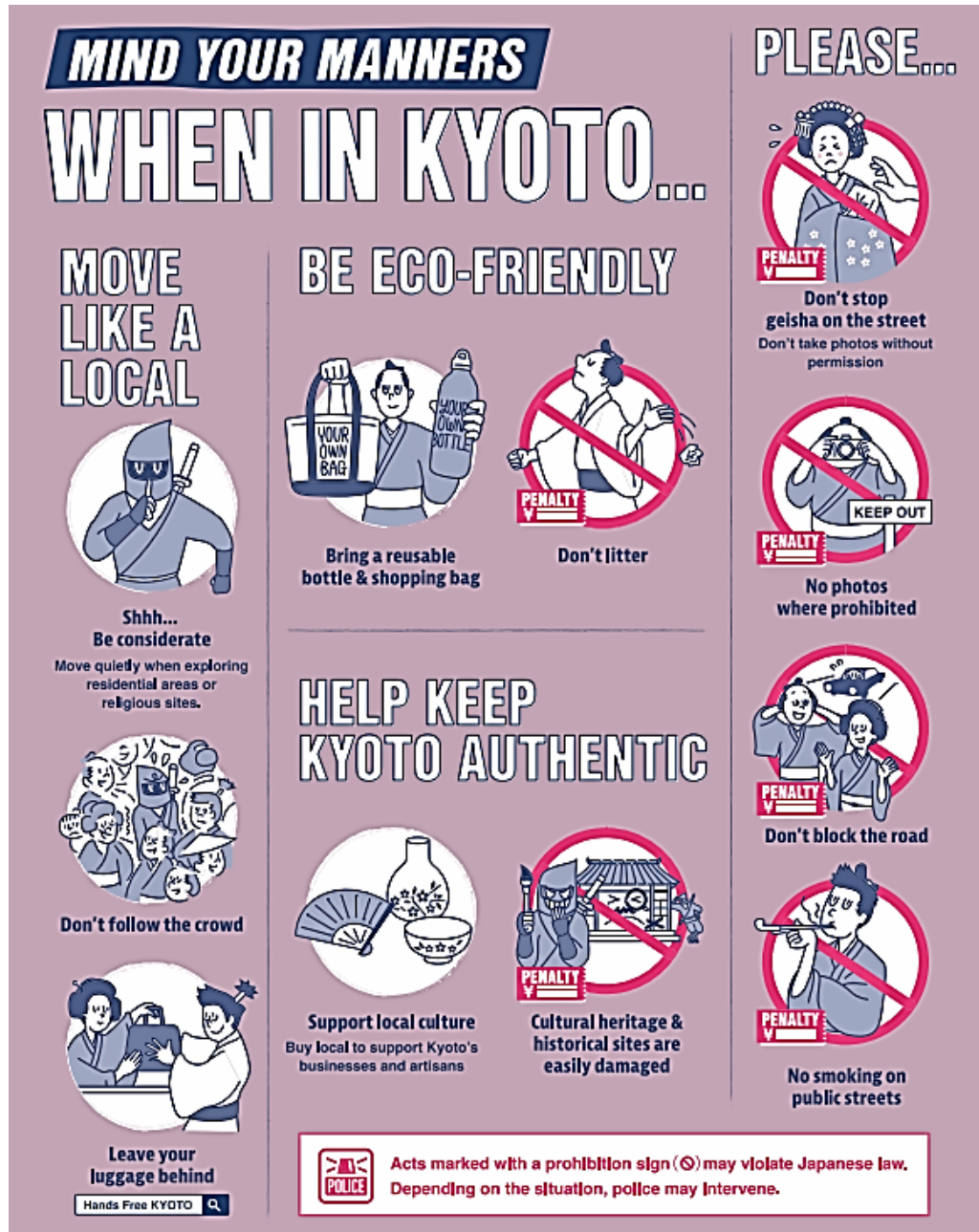


Fig. 2.2

Using Fig. 2.2, explain how the tourist guide can help achieve social sustainability through tourism development in Kyoto.

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How far do you agree with this statement? Explain your answer.

[Turn over

12
Section B

Answer **either** Question 3 **or** Question 4.

3 Cluster 3: Climate

- (a Study Fig. 3.1, which shows the formation of southwest monsoon wind from the months of June to September.
)

Formation of monsoon wind from June to September

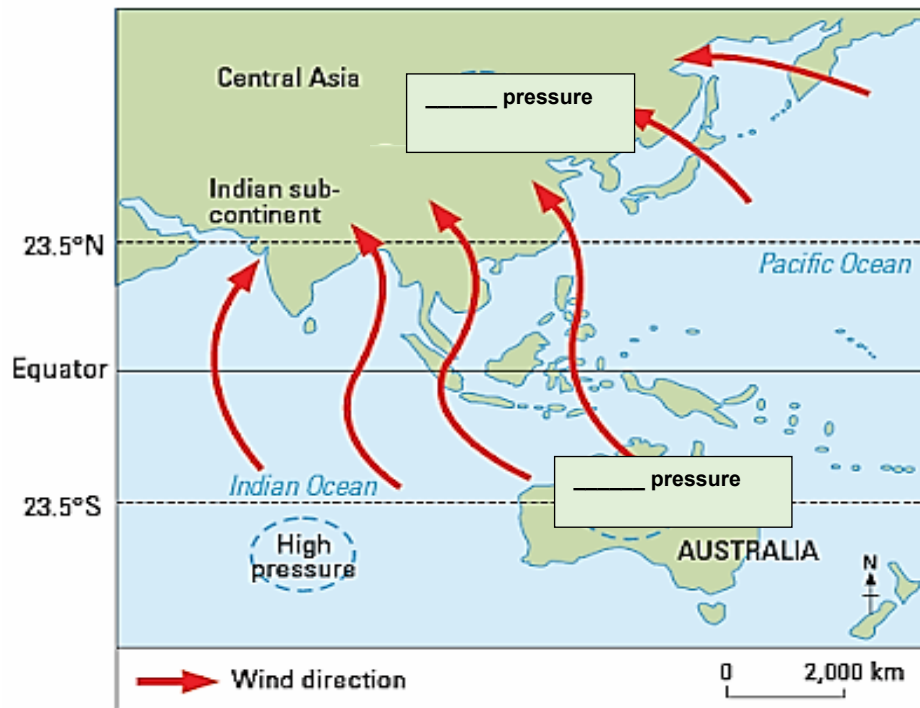


Fig. 3.1

- (i) Using Fig. 3.1, state the pressure zone experienced in Central Asia and Australia.

Central Asia: pressure

Australia: pressure
[2]

- (ii) With reference to Fig. 3.1, explain the importance of Southwest monsoon to farmers in Indian sub-continent.

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[Turn over

- (b)** Study Fig. 3.2 (Insert), which shows the global distribution of annual net change in forest cover, 2020.

Using Fig. 3.2, describe the global distribution of areas experiencing an annual net loss in forest cover in 2020.

[3]

- (c) Explain how deforestation contributes to enhanced greenhouse effect.

[4]

- (d) Study Fig. 3.3, which shows the impact on global crop yield for maize in a world with and without climate change for 1981 and 2010.
)

Global crop yield for maize in a world with and without climate change for 1981 and 2010

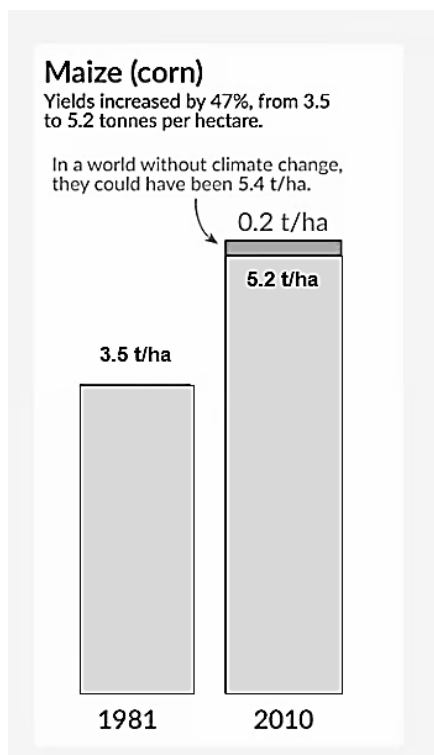


Fig. 3.3

- (i) Using Fig. 3.3, describe the difference in global crop yield for maize in a world with and without climate change for 2010.

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 [2]

- (ii) Suggest **two** factors that influenced the change in crop yield for maize between 1981 and 2010.

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- (e) Explain why climate change affects disadvantaged communities and developing countries to a larger extent.

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[Total: 18 marks]

4 Cluster 4: Tectonics

- (a) Study Fig. 4.1, which shows different landforms that could be formed along tectonic plate boundaries.
) boundaries.

Landforms formed at tectonic plate boundaries

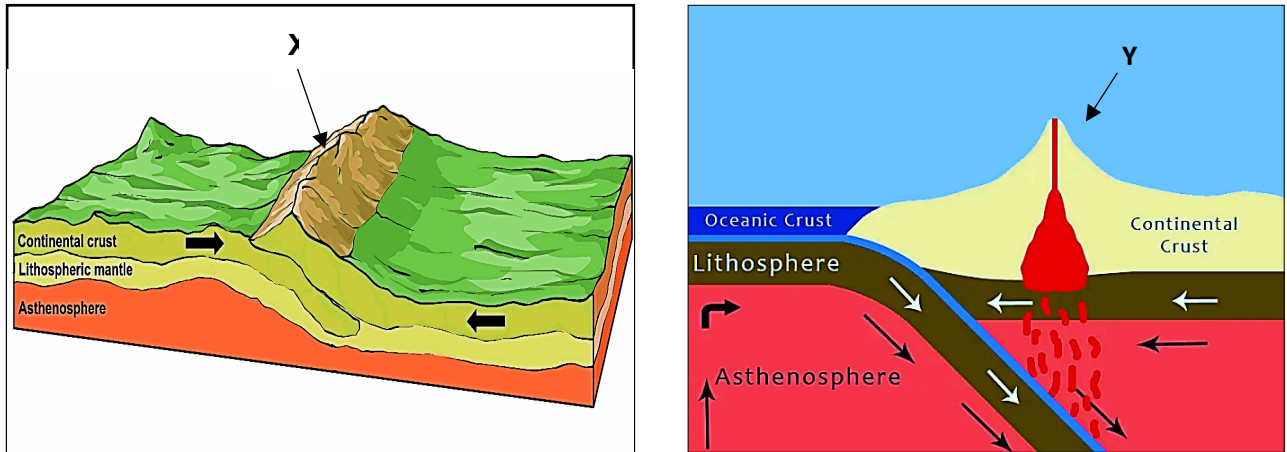


Fig. 4.1

- (i) Identify landforms X and Y shown in Fig. 4.1.

X:

Y: [2]

- (ii) With reference to Fig. 4.1, explain how landform X is formed.

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(b) Study Fig. 4.2 (Insert), which shows the global distribution of major active volcanoes.

Using Fig. 4.2, describe the global distribution of major active volcanoes.

..... [3]

(c) Explain why stratovolcanoes tend to have more explosive eruptions.

[3]

(d) Explain how vulnerable conditions can affect the extent of disaster risk during an earthquake.

..... [4]

[illegible]

Copyright Acknowledgements

- Fig. 1.1: <https://www.straitstimes.com/singapore/our-bonds-with-one-another-contribute-to-our-sense-of-home-pm-wong-at-one-punggol-hub-launch>
- Fig. 1.2 <https://landtransportguru.net/tampines-station/dt32-map-2/>
- Fig. 1.3 https://www.lta.gov.sg/content/ltagov/en/who_we_are/statistics_and_publications/Connect/silverzones.html
- Fig. 2.2 <https://kyoto.travel/en/info/enjoy-respect-kyoto/mind-your-manners.html>
- Fig. 3.1 <https://409geography.blogspot.com/2016/01/1st-feb-monsoon-wind.html>
- Fig. 3.2 <https://ourworldindata.org/grapher/forest-area-net-change-rate>
- Fig. 3.3 <https://ourworldindata.org/crop-yields-climate-impact>
- Fig. 4.1 <https://www.internetgeography.net/topics/destructive-plate-margins/>
- Fig. 4.2 <https://cdn.britannica.com/57/5457-050-40B0E740/ring-volcanoes-arcs-tectonic-plate-boundaries-Pacific.jpg>
- Fig 4.3 <https://geologyscience.com/natural-hazards>

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This document consists of **5** printed pages.

Set By: SMY

[Turn over

Fig. 1.2 for Question 1

Location of Tampines MRT station and its surrounding amenities



Shopping malls: Tampines Mall, Century Square, Tampines 1, Eastlink Mall

Integrated community hub: Tampines community plaza

Table 1.1 for Question 1

Speed of oncoming vehicles at various timings on a Monday

Speed category (km/h)	Number of vehicles (8am to 9am)	Number of vehicles (12pm to 1pm)	Number of vehicles (4pm to 5pm)
30 - 40	25	16	11
41 - 50	4	2	2
51 - 60	1	2	2
Total number of vehicles	30	20	15

Fig. 1.4 for Question 1

Collated responses from 20 elderly respondents

1. Are you aware that this area is a Silver Zone?

	Yes	No
Number of responses	20	0

2. After the 'Silver Zone' was implemented, how safe do you feel as a pedestrian in this area, especially for the elderly?

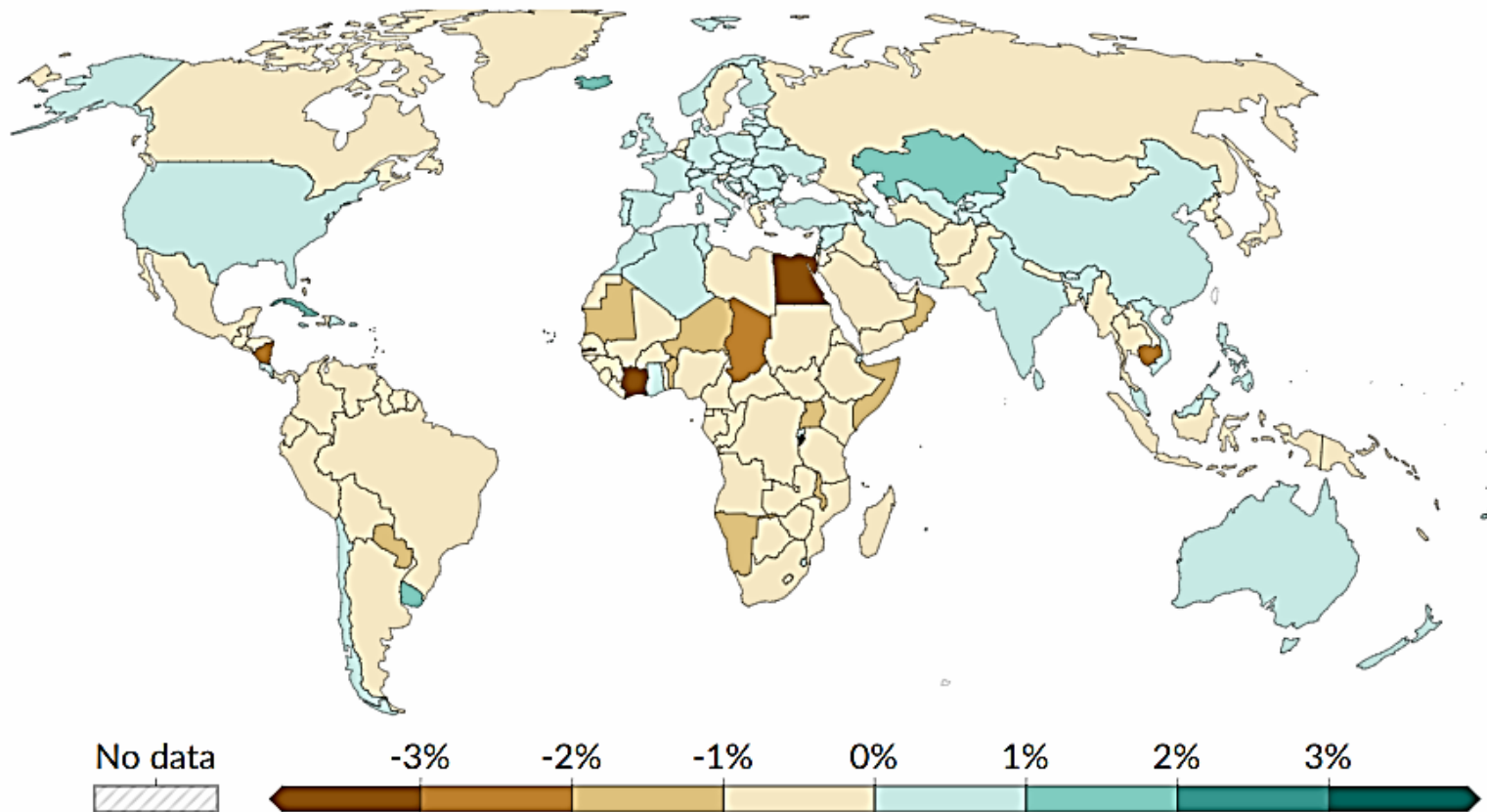
	Very Unsafe	Unsafe	Neutral	Safe	Very Safe
Number of responses	0	0	4	12	4

3. Have you noticed any change in the number of traffic accidents (minor or major) in this area since the 'Silver Zone' was implemented?

	Yes, the number of accidents seemed to have decreased.	No significant change.	Yes, the number of accidents seemed to have increased.	Don't know.
Number of responses	10	7	0	3

Fig. 3.2 for Question 3

Annual net change* in forest cover, 2020



*The annual net change in forested area as a percentage of total forest area. Negative values indicate a net loss of forest, and positive values indicate a net gain.

Fig. 4.2 for Question 4

Global distribution of major active volcanoes

