

ANDERSON SECONDARY SCHOOL
Preliminary Examinations 2025
Secondary Four Express



CANDIDATE NAME:

CLASS:

INDEX NUMBER:

GEOGRAPHY

2279/01

Paper 1

26 August 2025

1 hour 45 minutes

0800 - 0945

Additional Materials: Insert

READ THESE INSTRUCTIONS FIRST

Write your name, class and index number on all the work you hand in.
 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/tape.

Answer **ALL** questions.

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.

Total Marks	50
-------------	-----------

1 Cluster 1: Geography in Everyday Life

A group of students from Horizon High School is interested to find out residents' perception of urban heat within a precinct. They want to investigate if the type of surface material influences the likelihood and frequency of residents spending time in various outdoor locations.

They tested the hypothesis: 'Residents prefer to visit outdoor locations with natural surfaces than artificial ones due to lower perceived heat.'

To prepare for their investigation, the students conducted a pilot survey on a Saturday afternoon. Fig. 1.1 shows an excerpt from their fieldwork journal that documents insights gained during the pilot survey.

Excerpt from the students' fieldwork journal on the pilot survey

<p>Date: 5 May 2025 Time: 2:00 PM - 4:00 PM Location: Ang Mo Kio Block 400s (near a small community garden) Sample size: 10 residents Notes: - Managed to find respondents quite easily. Many residents were reluctant to stop for long interviews due to the heat. Administered a short closed-ended questionnaire and attempted mental mapping. Some participants found it hard to draw detailed maps from scratch. Q5 was interpreted differently by different respondents.</p>
--

Fig. 1.1

- (a) (i) Suggest a measure that students could implement to mitigate a possible risk they may face during their investigation.

.....

.....

.....

.....

..... [2]

(ii) Using Fig. 1.1, suggest why conducting a pilot survey is important.

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

(b) The students decided to conduct a questionnaire to investigate their hypothesis near four different outdoor locations within the precinct: a playground with artificial turf, a community garden with natural soil, a basketball court with concrete surface, and a park lawn with grass.

(i) Explain why convenience sampling may not be an appropriate choice of sampling method for their investigation.

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

(iv) Figs. 1.2 and 1.3 show bar graphs representing the results of the questionnaire from Table 1.1.

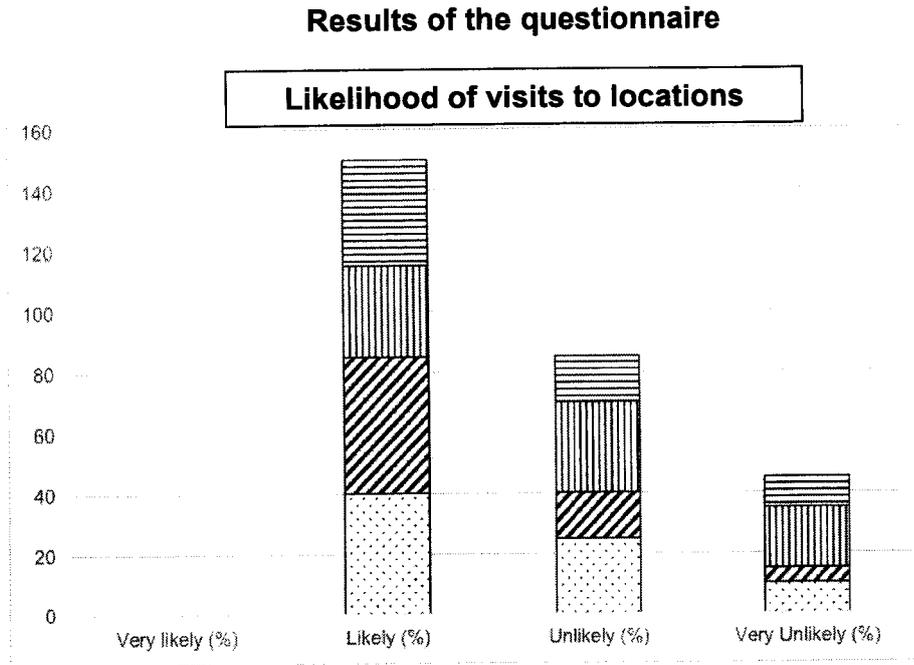


Fig. 1.2

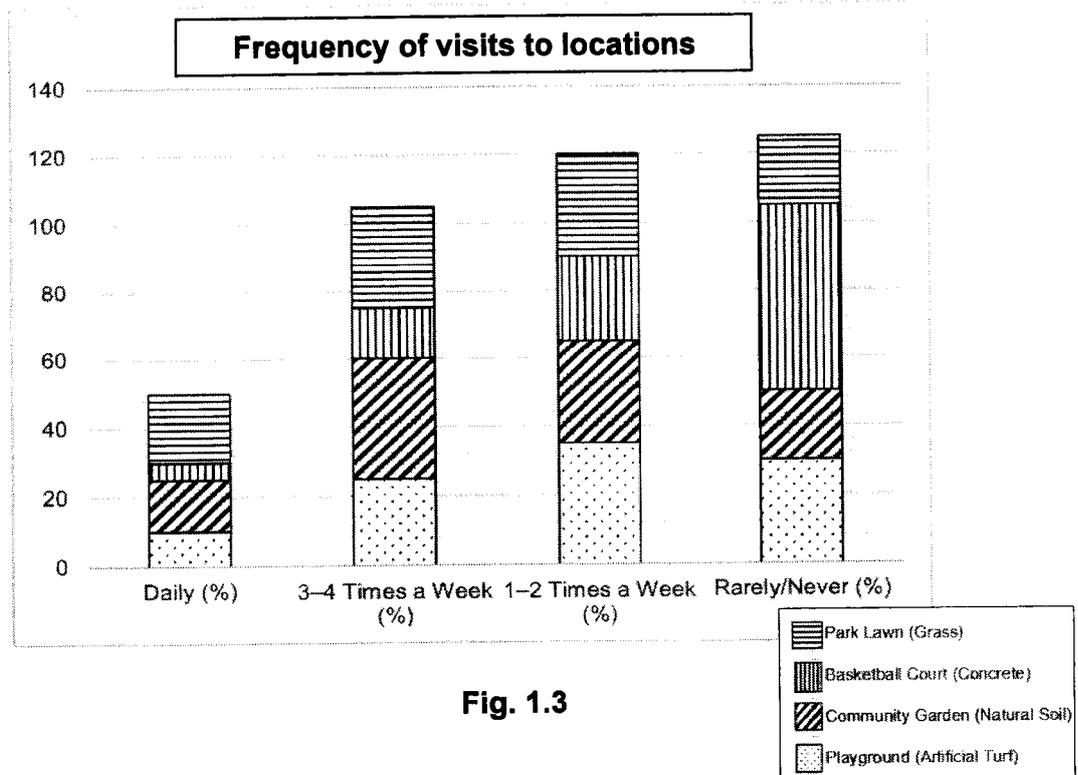


Fig. 1.3

Use information from Table 1.1 to complete the bar graph for the percentage of residents who are very likely to visit the four locations. [3]

[Total: 20 marks]

2 Cluster 2: Tourism

- (a) Study Fig. 2.1, which shows an excerpt about tourism in Shikoku and Tohoku, Japan.

Tourism in Shikoku and Tohoku, Japan

In rural Shikoku, Japan, the government partnered with local communities to promote it as a 'slow travel' destination by restoring historical towns and promoting traditional crafts. Disused railway lines were transformed into heritage trails. Old merchant houses were converted into stylish guesthouses, cafes and art spaces, combining heritage with modern aesthetics.

Street murals, creative workshops, and pop-up food events are regularly organised to provide interactive, Instagrammable experiences that blend culture and lifestyle. Digital marketing and influencer campaigns have been widely used to spotlight hidden gems, successfully drawing a younger, experience-seeking crowd.

Fig. 2.1

- (i) Using Fig. 2.1, identify the stage in the evolution of a tourist destination that Japan is in.

..... [1]

- (c) Study Figs. 2.2 (Insert) and 2.3, which show information about sustainable tourism.

Global ecotourism market

Global Ecotourism Market

(USD Billion)

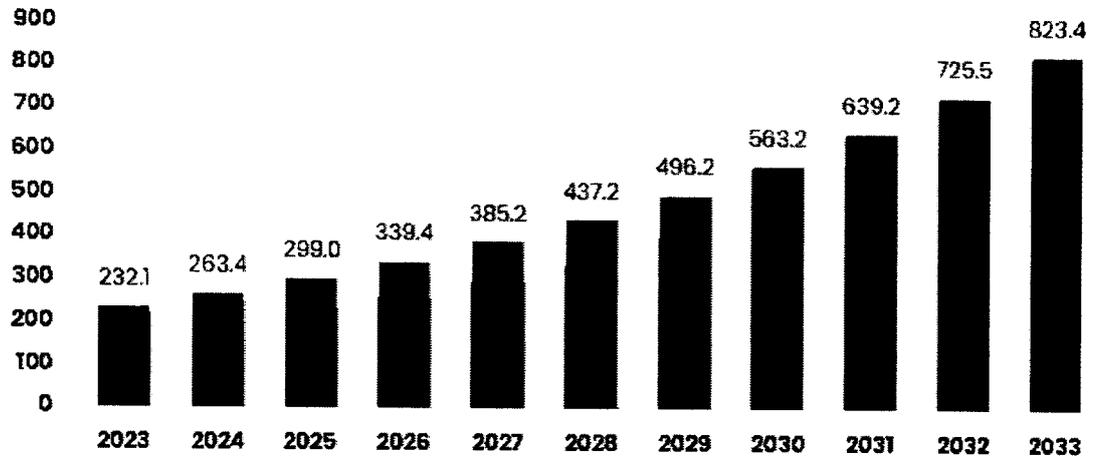


Fig. 2.3

'Community-based tourism is more effective than ecotourism in achieving sustainable tourism development.'

With reference to Figs. 2.2 and 2.3, to what extent do you consider this statement to be true? Explain your answer.

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

3 Cluster 3: Climate

(a) Explain how temperature varies with altitude.

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

(b) Study Figs. 3.1 and 3.2 (Insert), which show the distribution of average temperatures in January and July.

Using Figs. 3.1 and 3.2, compare the average temperatures in January and July.

.....
.....
.....
.....
.....
.....
.....
.....
.....
.....

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

(c) Study Fig. 3.3 (Insert), which shows a climate graph.

Using Fig. 3.3, describe the climatic characteristics shown in the climate graph.

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

- (d) The table below lists strategies used to build community's resilience to climate change.

Table 3.1

Strategies to build community's resilience to climate change

Changes in consumption patterns
Building sea walls
Educating communities
Low carbon technologies

List the strategies found in Table 3.1 in the relevant categories in the space below. Each strategy should only be used once.

Mitigation strategies:
.....

Adaptation strategies:
.....

[3]

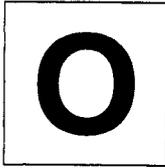
[Total: 15 marks]

BLANK PAGE

BLANK PAGE

Acknowledgements:

- Fig. 2.2 <https://www.undp.org/thailand/blog/community-based-tourism-empowering-local-champions-sustainable-tourism-thailand>
- Fig. 2.3 <https://market.us/report/ecotourism-market/>
- Fig. 3.1 <https://www.clearias.com/distribution-of-temperature-earths-atmosphere/>
- Fig. 3.2 <https://www.clearias.com/distribution-of-temperature-earths-atmosphere/>



ANDERSON SECONDARY SCHOOL
Preliminary Examinations 2025
Secondary Four Express



CANDIDATE NAME:

CLASS: / INDEX NUMBER:

GEOGRAPHY

2279/01

Paper 1

26 August 2025

1 hour 45 minutes

0800 - 0945

INSERT

READ THESE INSTRUCTIONS FIRST

This insert contains additional resources referred to in the questions.

Table 1.1 for Question 1

Table 1.1

Information collected with the questionnaire

Q2: How likely are you to visit the following locations?

Area	Very Likely (%)	Likely (%)	Unlikely (%)	Very Unlikely (%)
Playground (Artificial Turf)	25	40	25	10
Community Garden (Natural Soil)	35	45	15	5
Basketball Court (Concrete)	20	30	30	20
Park Lawn (Grass)	40	35	15	10

Q3: How frequently do you visit the following locations?

Area	Daily (%)	3-4 Times a Week (%)	1-2 Times a Week (%)	Rarely/Never (%)
Playground (Artificial Turf)	10	25	35	30
Community Garden (Natural Soil)	15	35	30	20
Basketball Court (Concrete)	5	15	25	55
Park Lawn (Grass)	20	30	30	20

Fig. 2.2 for Question 2

Community-based Tourism

Community - Based Tourism

CBT is a tourism management model that puts local communities at the centre of the process.

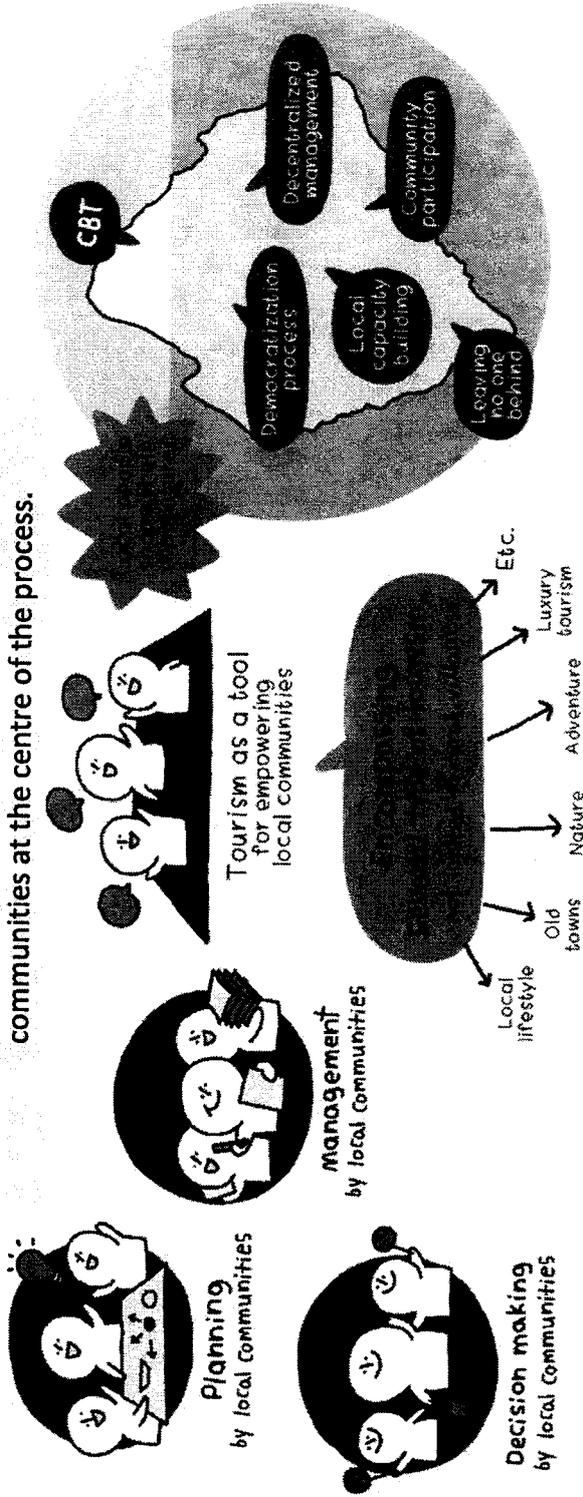


Fig. 3.1 for Question 3

Average temperature in January

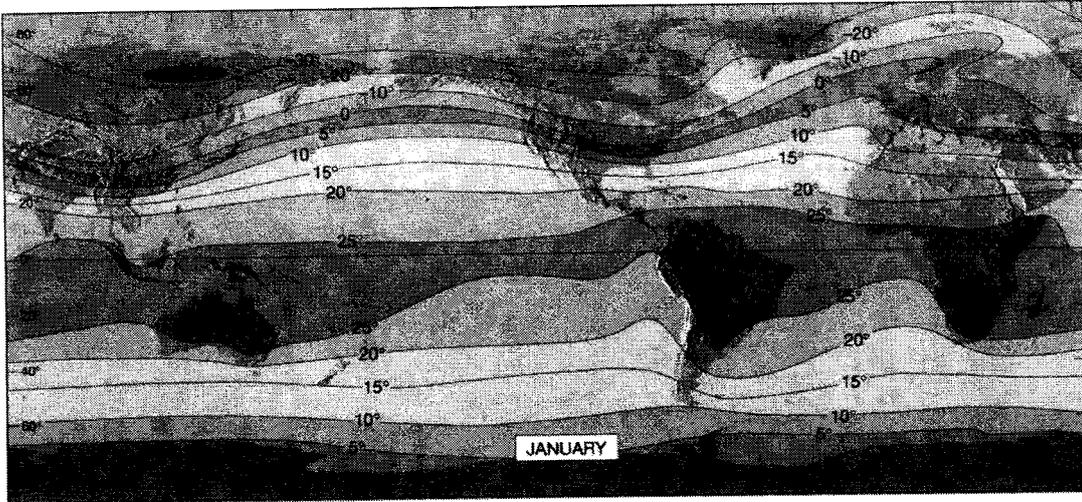


Fig. 3.2 for Question 3

Average temperature in July

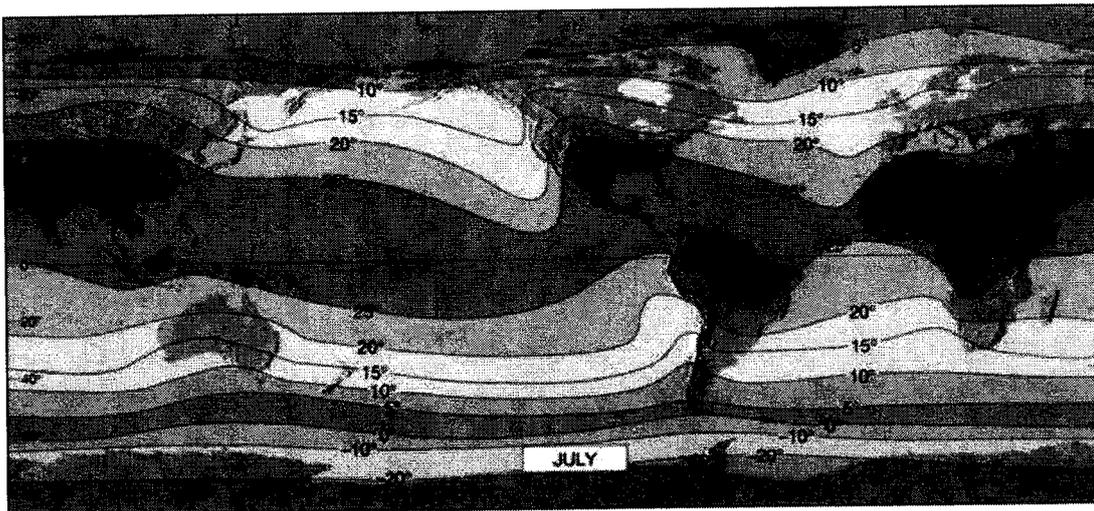
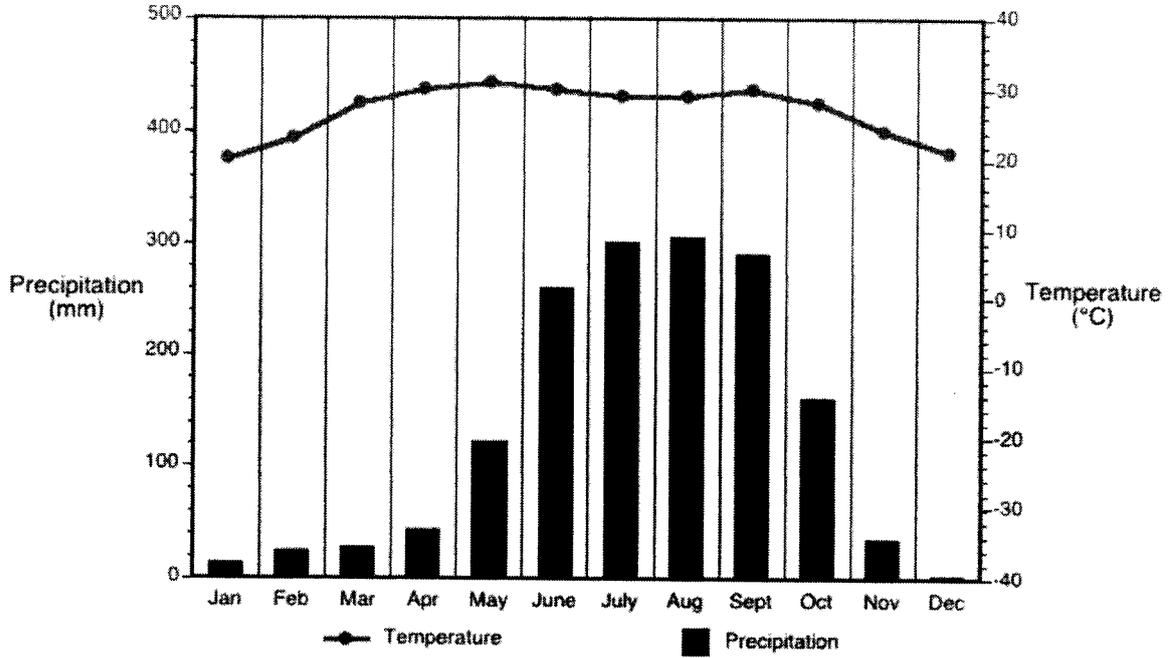


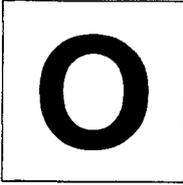
Fig. 3.3 for Question 3

Climate graph



6

BLANK



ANDERSON SECONDARY SCHOOL
Preliminary Examinations 2025
Secondary Four Express



CANDIDATE NAME:

CLASS:

INDEX NUMBER:

GEOGRAPHY**2279/02**

Paper 2

01 September 2025**1 hour 45 minutes****0800 - 0945**

Additional Materials: Insert

READ THESE INSTRUCTIONS FIRST

Write your name, class and index number on all the work you hand in.
 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/tape.

Answer **ALL** questions.

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.

Total Marks	50
-------------	-----------

BLANK PAGE

1 Cluster 1: Geography in Everyday Life

(a) Study Fig. 1.1 (Insert), which shows a map of existing and new developments in and around Bedok.

(i) Using Fig 1.1, describe how two sets of spatial associations in and around Bedok can help enhance the everyday life of residents.

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

(ii) With reference to Fig. 1.1, explain how the new developments can help the neighbourhoods in and around Bedok to achieve economic and social sustainability.

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

(b) Study Fig. 1.2, which shows a volunteer taking visitors on a tour of the Botanic Gardens in Singapore, and Fig. 1.3, which shows people tending to an edible garden at Jurong Lake Gardens.

Volunteer taking visitors on a tour of the Botanic Gardens



Fig. 1.2

People tending to an edible garden at Jurong Lake Gardens



Fig. 1.3

2 Cluster 4: Tectonics

(a) Study Fig. 2.1, (Insert), which is a map showing the epicentre of a 2016 earthquake off the coast of Sumatra, Indonesia.

(i) With reference to Fig. 2.1, explain how the earthquake may have occurred.

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

(ii) The earthquake, measuring 7.8M_w, struck on 2 March 2016 at 11.00pm. It was expected to affect places such as Padang (population 833,562) and Aceh (population 5.5 million).

Using Fig. 2.1 and the given information, compare factors that may affect the disaster risks faced by places such as Padang & Aceh due to the earthquake.

.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....

.....

.....

.....

.....

..... [5]

(b) Study Fig. 2.2, which shows a volcano safety poster by the University of the West Indies Seismic Research Centre (UWI SRC). The UWI SRC monitors earthquakes, volcanoes and tsunamis in the English-speaking Eastern Caribbean.

Volcano safety poster by the UWI-SRC



Fig. 2.2

With reference to Fig. 2.2, evaluate the disaster management strategies shown.

.....

.....

.....

.....

.....

.....

3 Cluster 5: Singapore

(a) Study Fig. 3.1 (Insert), which shows local production figures for selected food products, 2021-2023, and Fig. 3.2 (Insert), which shows information about Apollo Aquaculture’s fish farms in Singapore and Brunei.

(i) Describe the changes in food production from 2021 to 2023.

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

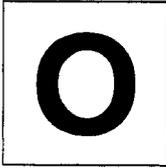
(ii) With reference to Figs. 3.1 and 3.2, explain how Singapore builds resilience in food security.

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

BLANK PAGE

Acknowledgements:

- Fig. 1.1 Adapted from <https://www.ura.gov.sg/-/media/Corporate/Planning/DMP19/Regional-Resources/East-Flyers/Bedok.pdf>
- Fig. 1.2 <https://www.nparks.gov.sg/images/default-source/events/sbg/sbg-edu/june-2024/june-proq-photo.jpg>
- Fig. 1.3 <https://www.nparks.gov.sg/get-involved/volunteer/volunteer-with-us>
- Fig. 2.1 Adapted from <https://www.scmp.com/news/asia/article/1919972/indonesia-issues-tsunami-warning-after-massive-79-magnitude-quake-sumatra>
- Fig. 2.2 Adapted from <https://www.instagram.com/uwiseismic/p/C640O2thpmB/>
- Fig. 3.1 Adapted from <https://www.sfa.gov.sg/docs/default-source/publication/sq-food-statistics/singapore-food-statistics-2023.pdf>
- Fig. 3.2 Adapted from https://static1.straitstimes.com.sg/s3fs-public/attachments/2017/02/14/ST_20170214_APOLLO14A_2939849.pdf
- Fig. 3.3 Adapted from <https://www.businesstimes.com.sg/singapore/singapore-airlines-operate-out-changi-airports-terminal-5-internal-train-cover-2-km-distance> and https://www.instagram.com/p/DJoQT4fSboW/?img_index=2
- Fig. 3.4 <https://roadgenius.com/statistics/tourism/singapore/>



ANDERSON SECONDARY SCHOOL
Preliminary Examinations 2025
Secondary Four Express



CANDIDATE NAME:

CLASS:

INDEX NUMBER:

GEOGRAPHY

2279/02

Paper 2

01 September 2025

1 hour 45 minutes

0800 - 0945

INSERT

READ THESE INSTRUCTIONS FIRST

This insert contains additional resources referred to in the questions.

This document consists of 7 printed pages and 1 blank page.

Fig. 1.1 for Question 1

Map of existing and new developments in and around Bedok

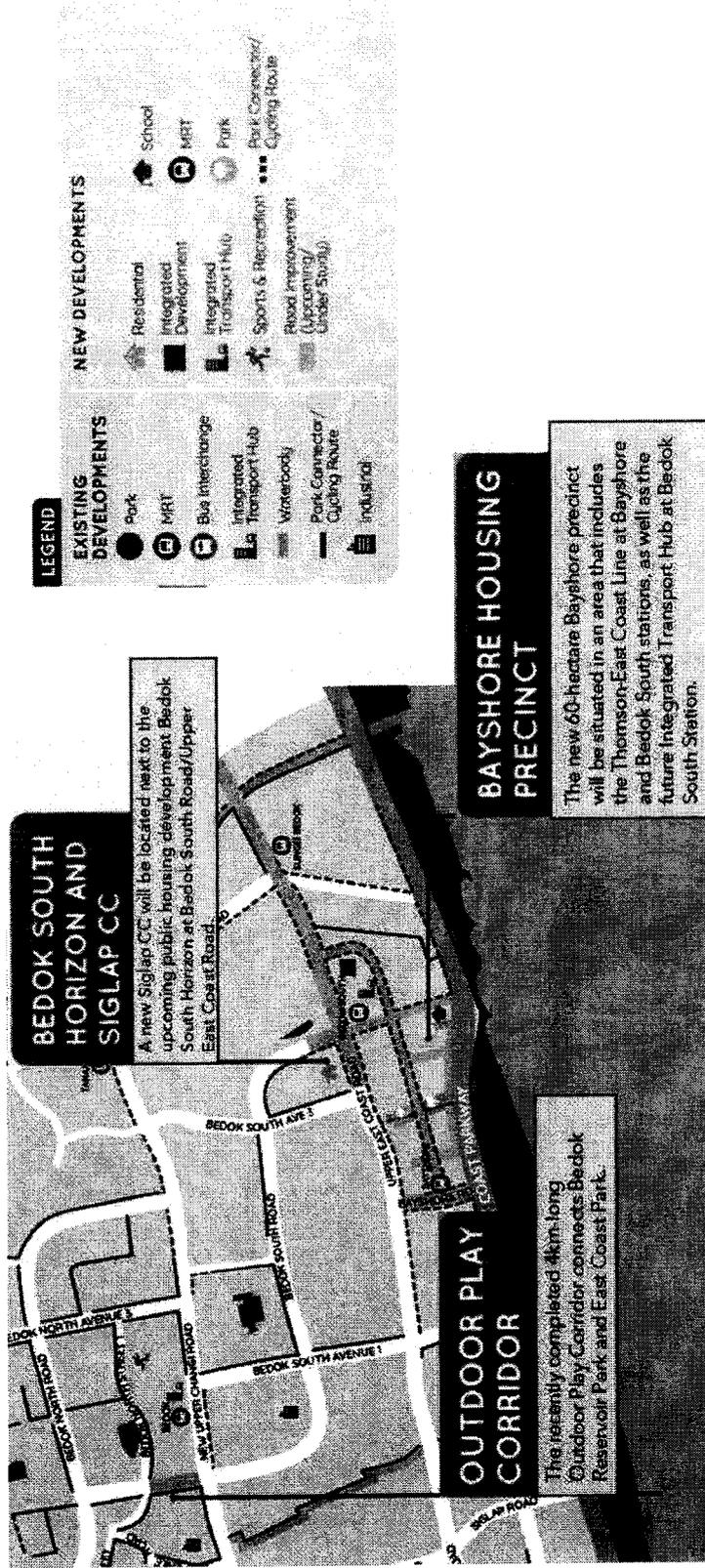


Fig. 2.1 for Question 2

Map showing epicentre of 2016 earthquake off the coast of Sumatra, Indonesia

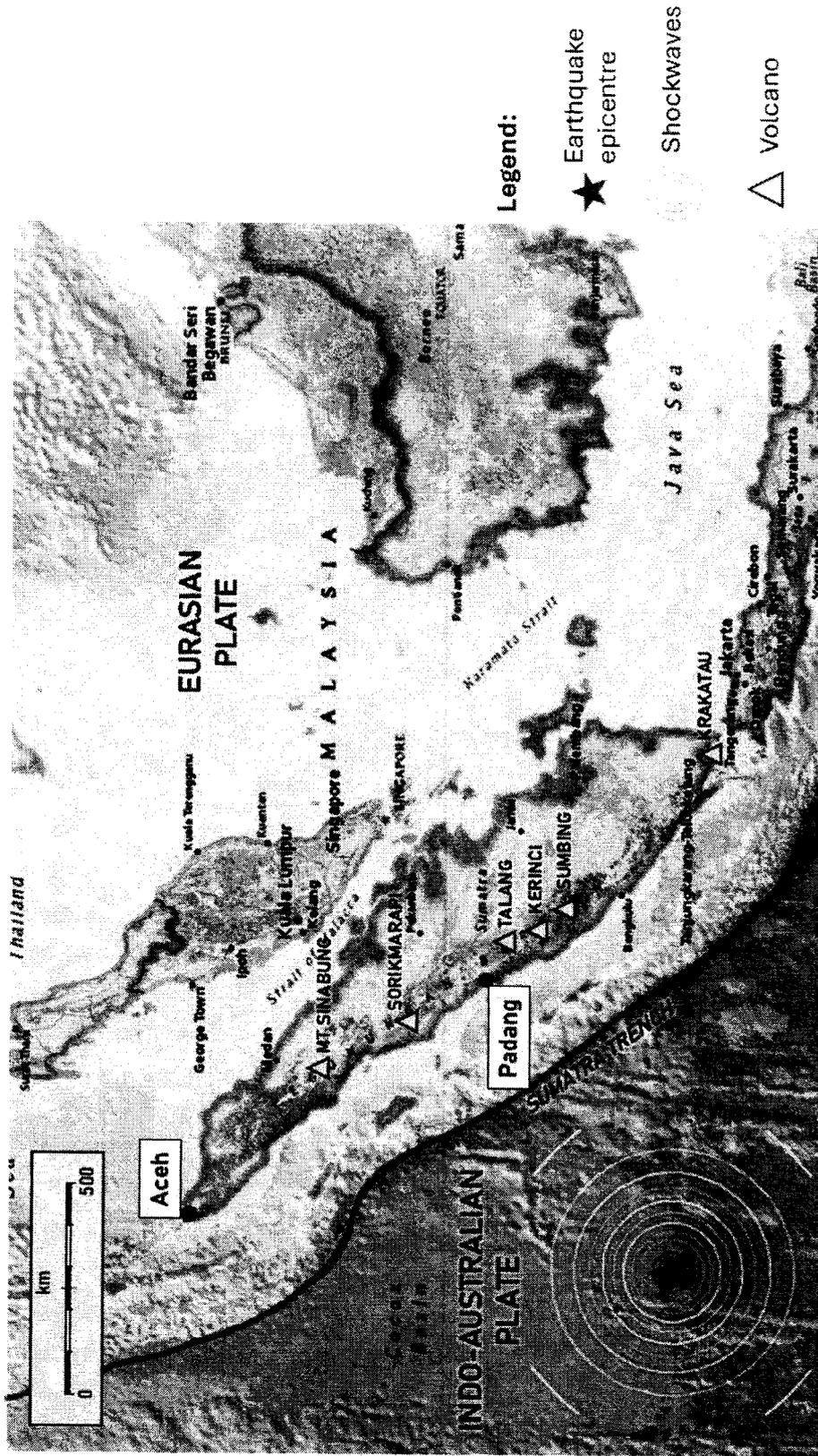


Fig. 3.1 for Question 3

Local production figures for selected food products, 2021-2023

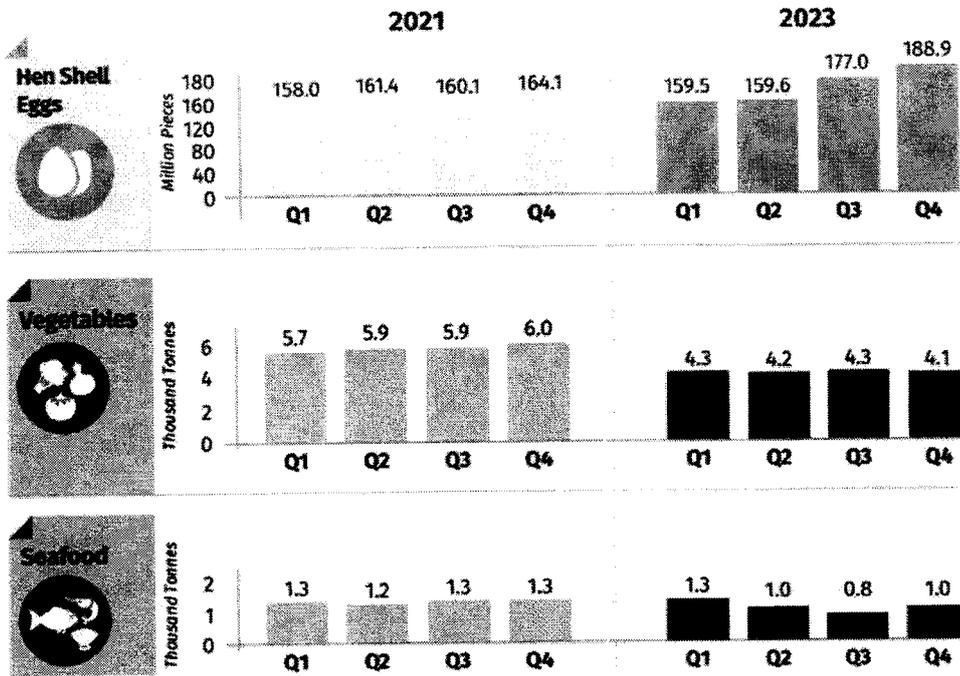


Fig. 3.2 for Question 3

Infographic about Apollo Aquaculture's fish farms

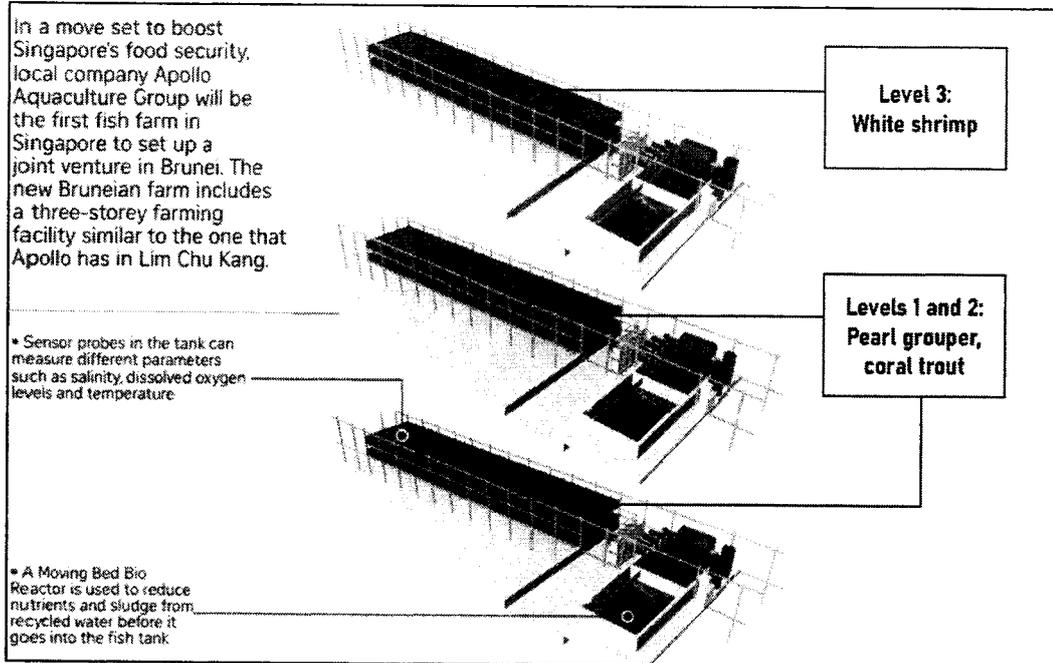


Fig. 3.3 for Question 3
Infographic about Changi Airport's proposed Terminal 5

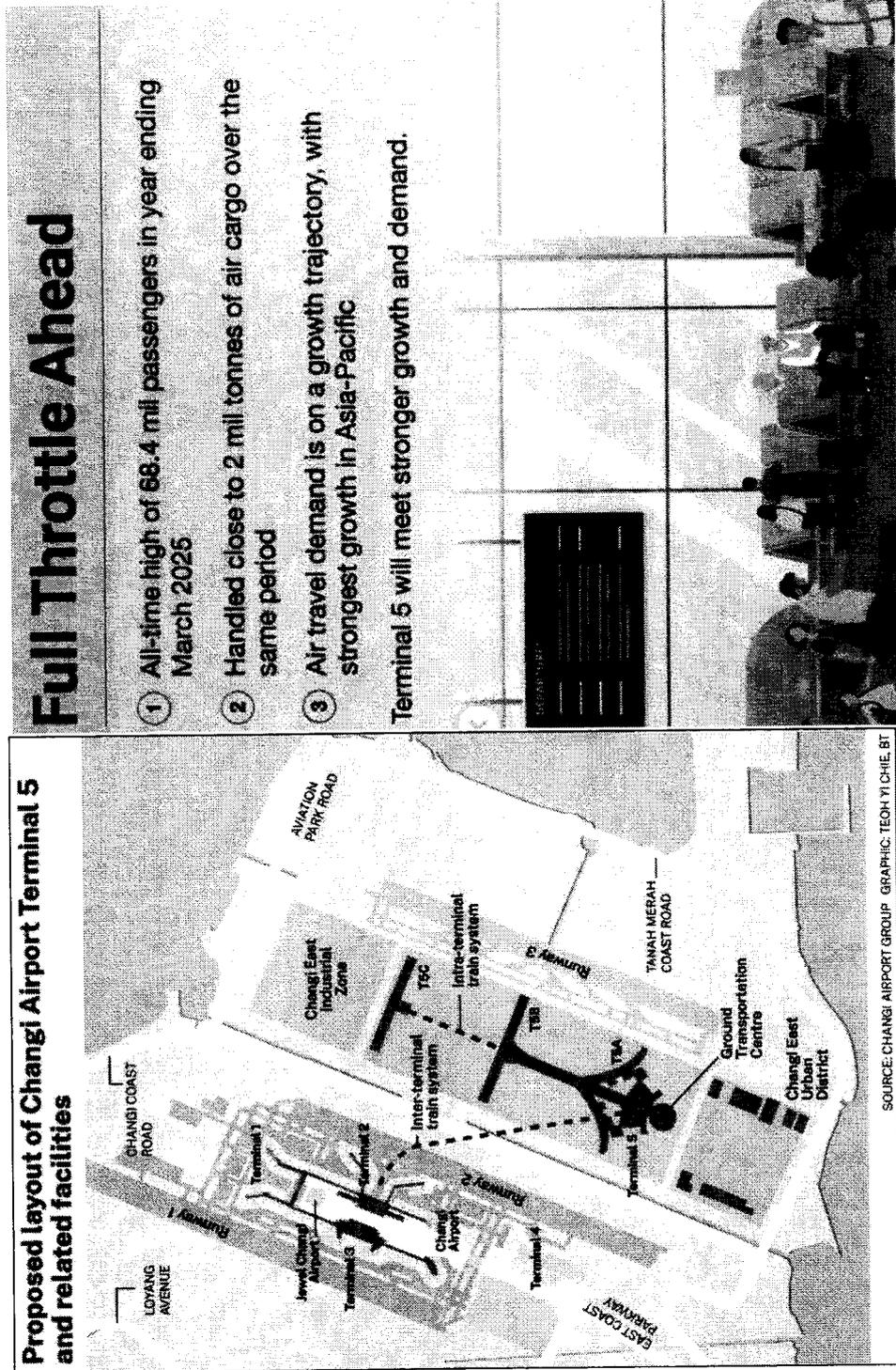
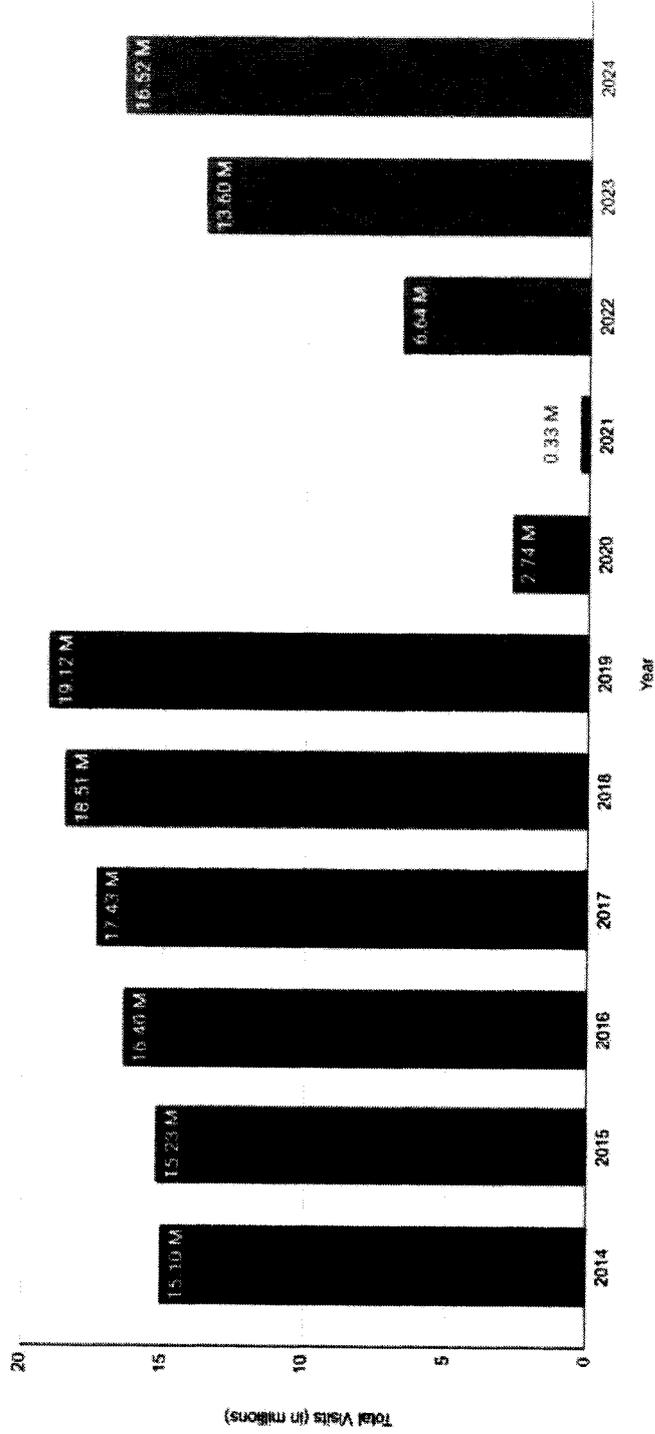


Fig. 3.4 for Question 3
Annual international tourist arrivals in Singapore, 2014-2024



BLANK PAGE