Anglo-Chinese School
(Independent)

PRELIMINARY EXAMINATION 2025
YEAR FOUR O-LEVELS

Candidate Name	**Index Number**

GEOGRAPHY **2279/01**
Paper 1

Wednesday 20 August 2025 1 hr 45 mins

Candidates answer on the Question Paper.

Additional Materials: Insert

READ THESE INSTRUCTIONS FIRST.

Write your name and index number on all the work you hand in.
Write in dark blue or black pen.
You may use a 2B pencil for any diagrams or graphs.
Do not use staples, paper clips, glue or correction fluid.

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.

Marks	/ **50**

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Answer **all** questions.

1 Cluster 1: Geography in Everyday Life

(a) A group of students conducted a geographical investigation on reasons why the Dover-Medway and Mediapolis areas were selected for new residential developments. They studied factors such as accessibility, proximity to amenities and services, and quality of life.

Study Fig. 1.1 (Insert), which shows the location of upcoming residential areas in the Dover-Medway and Mediapolis region.

The students designed a closed-ended questionnaire to test the hypothesis: "Residential developments are more likely to be located near public transport and educational institutions."

(i) With reference to Fig. 1.1, describe some factors that may have influenced the selection of Dover-Medway and Mediapolis for new residential developments.

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(ii) With reference to Fig. 1.1, state **three** questions and response options which the students could use for their closed-ended questionnaire to investigate residents' views on the suitability of these locations for housing.

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(iii) Suggest how the students could manage the limitations of unforeseen factors affecting the study.

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(b) Another group of students wanted to investigate how changes in weather conditions affect public use of the Kent Ridge Park.

The students wanted to test the hypothesis: "Fewer people visit public parks when temperatures are above 30°C." They gathered data on daily temperatures and number of park visitor over ten days, shown in Table 1.1 (Insert).

(i) State the temperatures on the days with the highest and lowest number of visitors.

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(ii) Using Table 1.1, evaluate how well the data supports the students' hypothesis.

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(iii) Evaluate the validity of the investigation conducted by the students.

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2 Cluster 2: Tourism

(a) Explain why people are motivated to travel.

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(b) Table 2.1 shows changes in the average number of annual paid leave days and the number of tourist departures (millions) of a developed country from 2015 to 2023.

Table 2.1

Average number of annual paid leave days and number of tourist departures

	2015	2016	2017	2018	2019	2020	2021	2022	2023
Average number of annual paid leave days	7	8	9	10	11	12	13	14	18
Number of tourist departures (millions)	6.4	7.2	7.8	10.5	11.2	0.04	0.2	8.6	15.3

(i) Using Table 2.1, account for the relationship between the average number of annual paid leave days and number of tourist departures from 2015 to 2023.

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(ii) Using Table 2.1, plot the data for 2020 to 2022 on Fig. 2.1 and draw a best fit line. **[3]**

Relationship between number of annual paid leave days and number of tourist departures

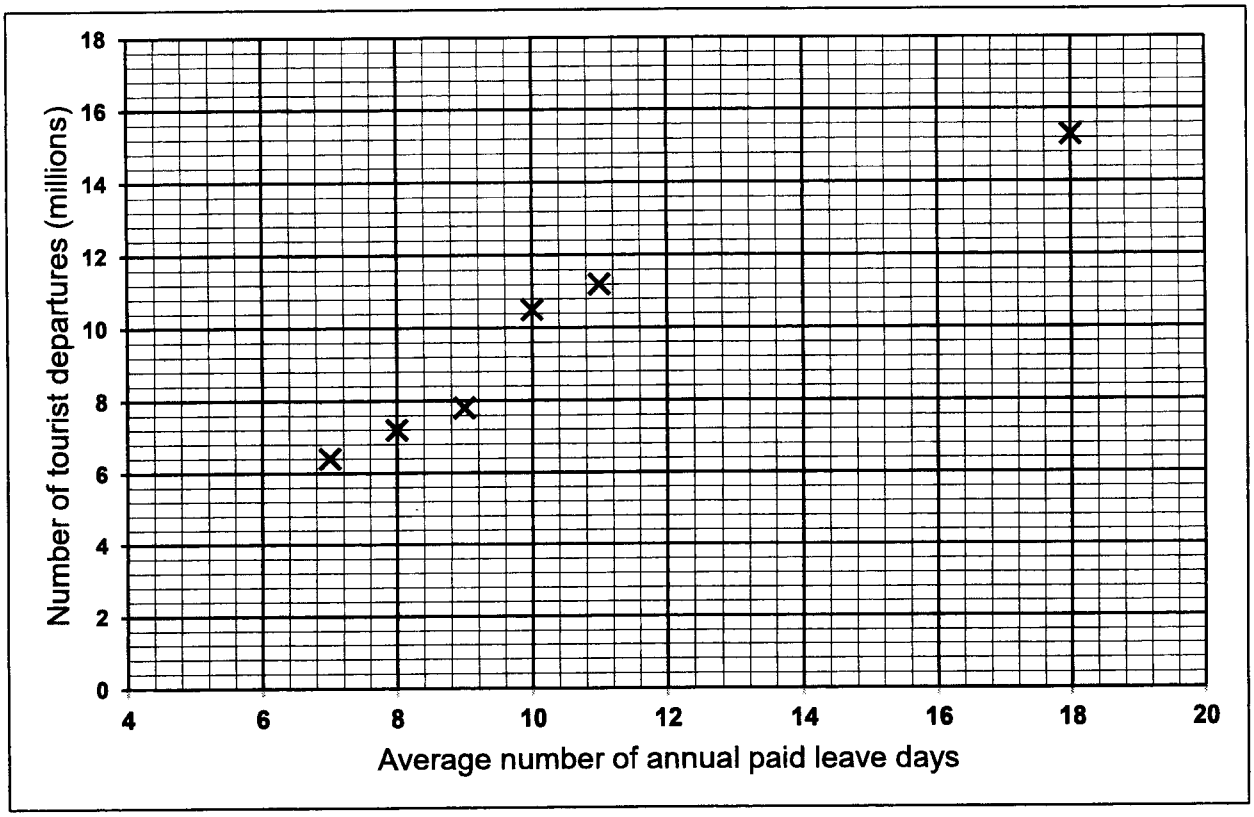


Fig. 2.1

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(c) Study Fig. 2.2 (Insert), which shows a sign placed near a tourist attraction in Singapore.

With reference to Fig. 2.2, explain how the sign helps Singapore achieve sustainable tourism development.

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(d) Using named examples, explain the role of international organisations in influencing sustainable tourism development.

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3 Cluster 3: Climate

(a) Study Fig. 3.1 (Insert), which shows global temperature anomalies from 2013 to 2022. Global temperature anomalies refer to how much hotter each year was compared to the average in the 20th-century.

(i) Describe the trend in global temperature anomalies shown in Fig. 3.1.

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(ii) Suggest some anthropogenic factors that may have contributed to this trend.

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(b) 'Changing consumption patterns is the most effective mitigation strategy to reduce greenhouse gas emissions.'

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

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PRELIMINARY EXAMINATION 2025
YEAR FOUR O-LEVELS

Candidate Name	**Index Number**

GEOGRAPHY **2279/01**
Paper 1

INSERT

Wednesday 20 August 2025 1 hr 45 mins

Candidates answer on the Question Paper.

Additional Materials: Insert

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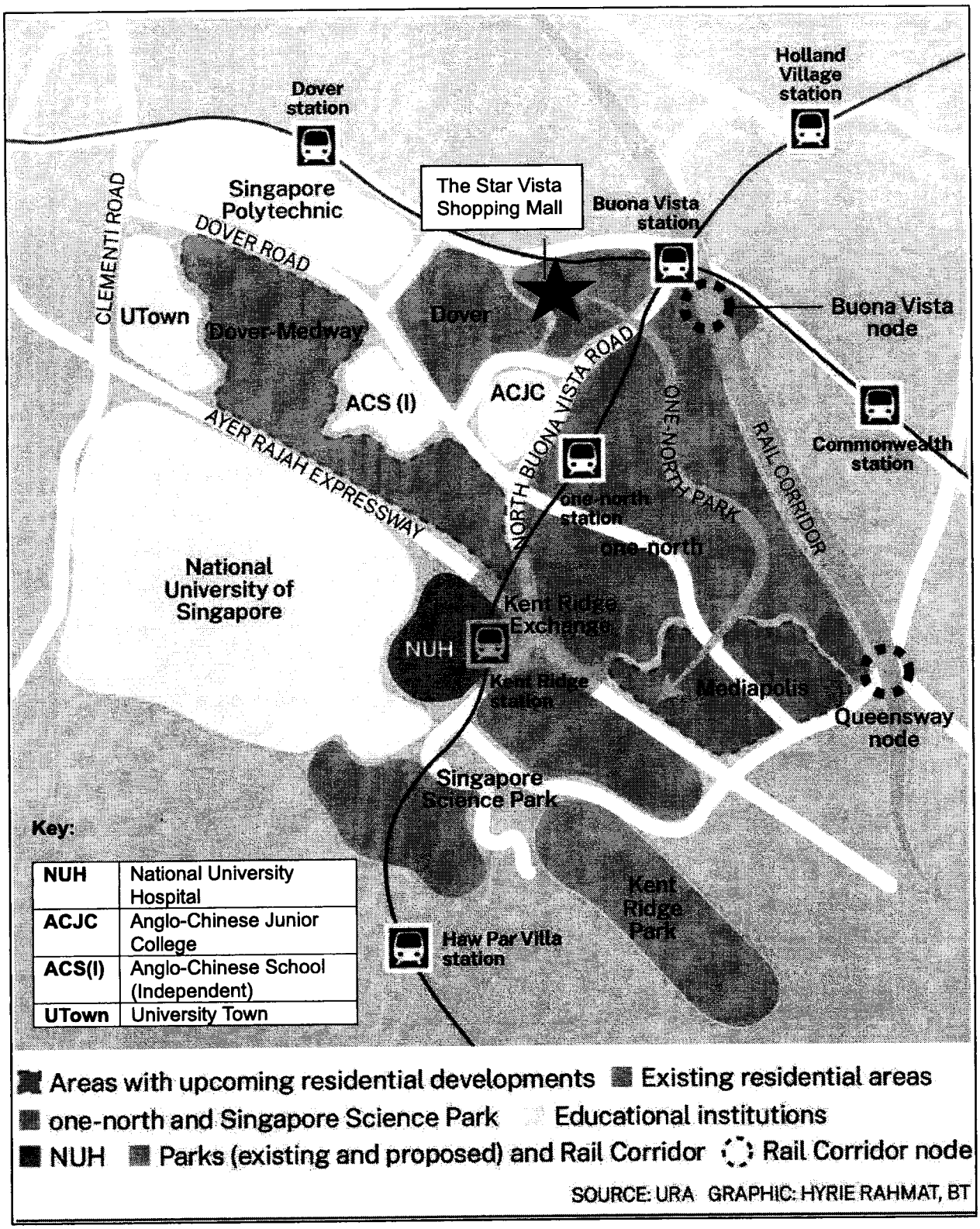
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Figure 1.1 for Question 1

Upcoming Dover-Medway and Mediapolis Residential Developments



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Table 1.1 for Question 1

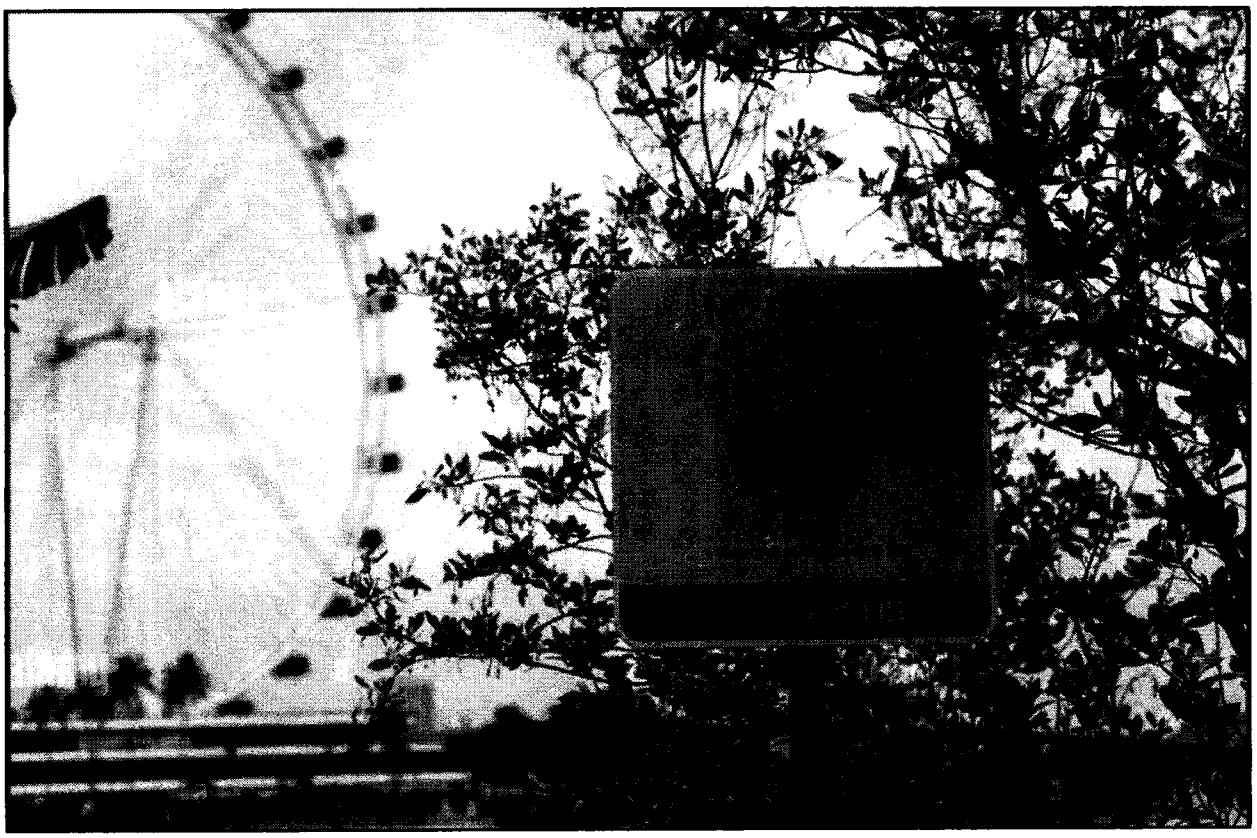
Daily Average Temperature and Number of Visitors at Kent Ridge Park

Day	Average Temperature (°C)	Number of Visitors
1	30.6	321
2	28.4	421
3	32.3	235
4	26.0	85
5	31.9	174
6	33.4	328
7	29.2	271
8	29.0	130
9	33.1	52
10	31.5	250

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Fig 2.2 for Question 2

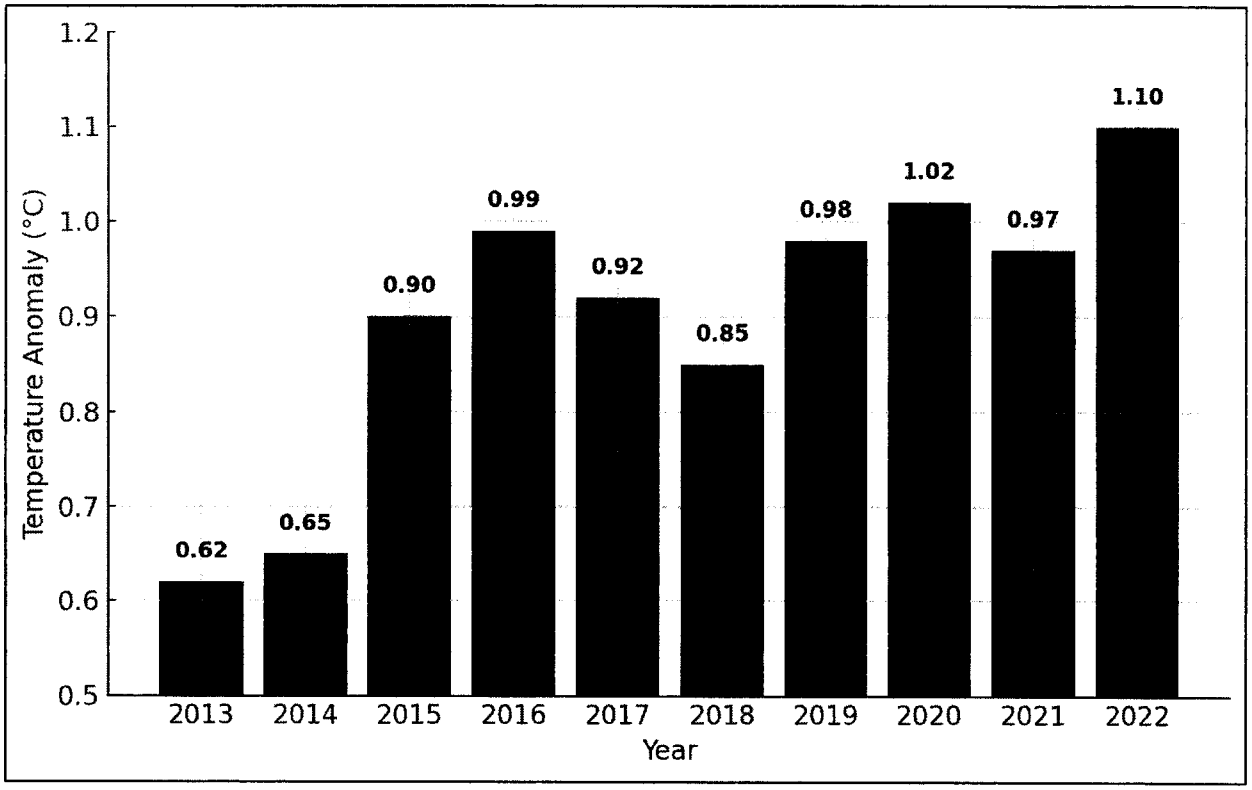
Sign near Tourist Attraction in Singapore



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Fig 3.1 for Question 3

Global Temperature Anomalies from 2013 to 2022



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Question 1 Fig. 1.1	*https://cassette.sphdigital.com.sg/image/businesstimes/2789c86e2f6e61437d753197dcfe427ffeba729592cfcee11eb2babdbfd8ddc1*
Question 2 Fig. 2.1	https://encrypted-tbn0.gstatic.com/images?q=tbn:ANd9GcSs_jk5rE57zNN4jUXxZlx0074P7ABY8v0KQupDUJhP1zf5HB1o
Question 3 Fig. 3.1	*https://www.ncei.noaa.gov/access/monitoring/climate-at-a-glance/global/time-series*

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PRELIMINARY EXAMINATION 2025
YEAR FOUR O-LEVELS

Candidate Name	**Index Number**

Paper 2 Geography **2279/02**

Tuesday **19 August 2025** **1 hour 45 minutes**

Candidates answer on the Question Paper.

Additional Materials: Insert

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The total number of marks for this exam is **50.**

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Answer **all** questions.

1 Cluster 1: Geography in Everyday Life

(a) Study Fig. 1.1 (Insert), which shows a garden in a housing estate in Singapore.

Using Fig. 1.1, explain how the garden may provide provisioning and cultural ecosystem services.

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(b) Study Fig. 1.2 (Insert), which shows the top three causes of residential fires in Singapore in 2019 and 2020.

(i) Using Fig. 1.2, compare the trend in the top three causes of residential fires between 2019 and 2020.

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(ii) Describe how fires can negatively affect the residents.

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(iii) Explain how building community resilience might reduce the risk of residential fires.

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(c) Study Fig. 1.3 (Insert), which shows an activity for children conducted weekly in a community centre in Singapore.

Explain how the activity helps to enhance a sense of place for children.

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(d) Study Fig. 1.4 (Insert), which shows a woman attacked by a wild boar in Singapore.

With reference to Fig. 1.4, describe the negative impacts that nature may bring to society.

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(e) Study Fig. 1.5 (Insert), which shows a recycling bin at a housing estate in Singapore.

With reference to Fig. 1.5, evaluate the effectiveness of recycling bins in promoting environmental stewardship in neighbourhoods in Singapore.

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[Total: 15]

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2 Cluster 4: Tectonics

(a) Study Fig. 2.1 (Insert), which shows a diagram on magnetic striping.

Using Fig. 2.1, identify landform X and state whether rocks W or Y are older.

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(b) Study Fig. 2.2 (Insert), which is a diagram showing the formation of a tsunami.

Using Fig. 2.2, describe the formation of a tsunami.

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(c) "Land use planning is the most important strategy in building community resilience to earthquakes and volcanic eruptions."

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

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3 Cluster 5: Singapore

(a) Study Fig. 3.1 (Insert), which shows Singapore's '3 food baskets'.

With reference to Fig 3.1 and named examples, describe two strategies from the 'food baskets' to maintain an adequate food supply in Singapore.

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(b) Explain the challenges Singapore would face if a nearby region were to experience a mega-earthquake.

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(c) Study Fig. 3.2 (Insert), which shows some buildings in Marina Bay in Singapore.

Using Fig. 3.2, explain how the development of the Marina Bay area supports Singapore's goals for sustainable development.

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(d) Evaluate the effectiveness of two initiatives to build social resilience to achieve sustainable development in Singapore.

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(e) Study Fig. 3.3, which is adapted from a newspaper article on Jurong Island.

Jurong Island is looking greener than ever, with the addition of 34,000 trees since 2020. The number of trees on the island has quadrupled to 44,000 in April 2023 from 10,000 in 2019. This comes after the conclusion of a three-year Greening Project by Jurong ng Town Council (JTC) Corporation and the National Parks Board (NParks), the two agencies said in a joint statement on Friday.

The trees will also help to cool down the island – which is in one of the hotter areas in Singapore – by reducing the urban heat island effect. JTC's master plan to green Jurong Island is a great step towards making Singapore's City in Nature vision a reality.

Adapted from The Straits Times. Published on 21 April 2023.

Fig. 3.3

(i) Explain what is meant by the urban heat island effect.

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(ii) With reference to Fig. 3.3, explain how the development of Jurong Island contributes to Singapore's economic growth without compromising the quality of life of its nearby residents.

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YEAR FOUR O-LEVELS

Paper 2 Geography **2279/02**

INSERT

Tuesday **19 August 2025** **1 hour 45 minutes**

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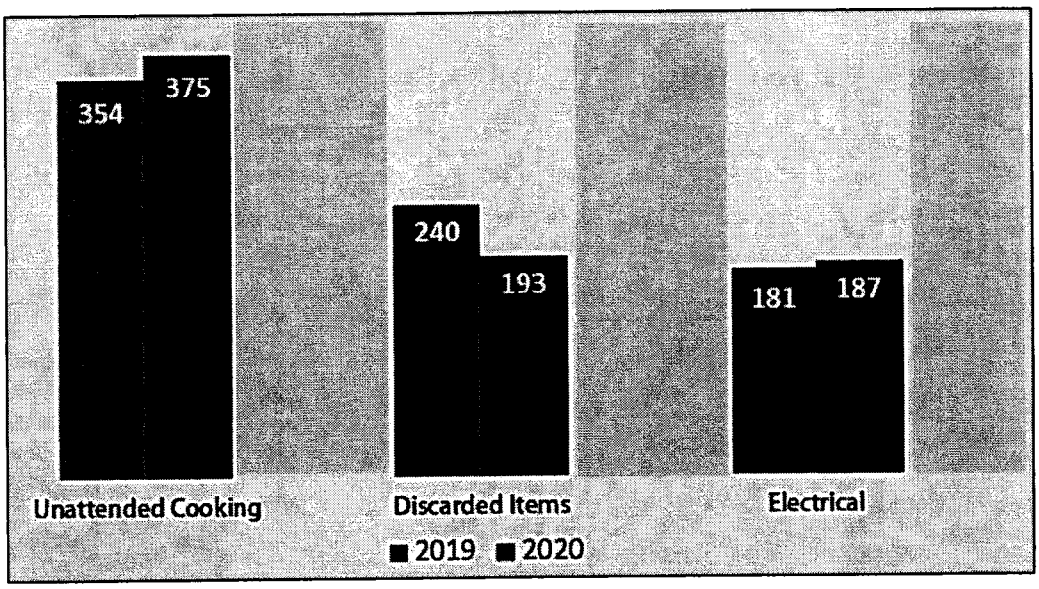
Fig. 1.1 for Question 1(a)

Garden in a housing estate in Singapore



Fig. 1.2 for Question 1(b)

Causes of residential fires in Singapore



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Fig. 1.3 for Question 1(c)

Activity for children in a community centre



Fig. 1.4 for Question 1(d)

Negative impacts of nature to society

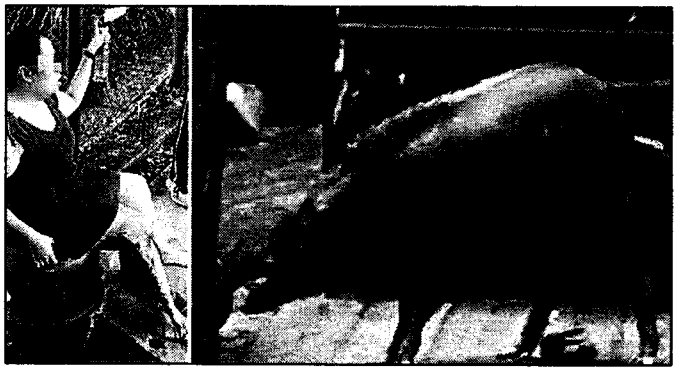


Fig. 1.5 for Question 1(e)

Recycling bin in Singapore



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Fig. 2.1 for Question 2(a)

Diagram showing magnetic striping

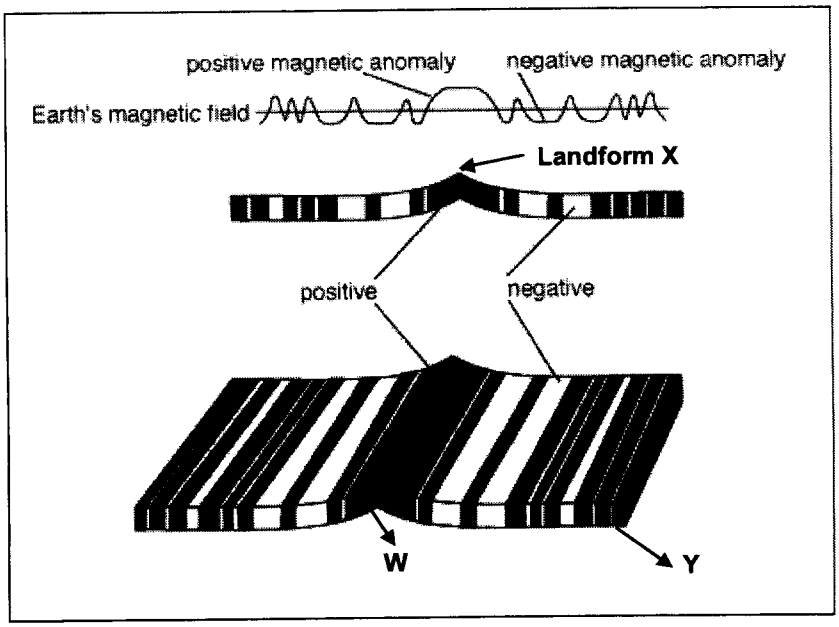
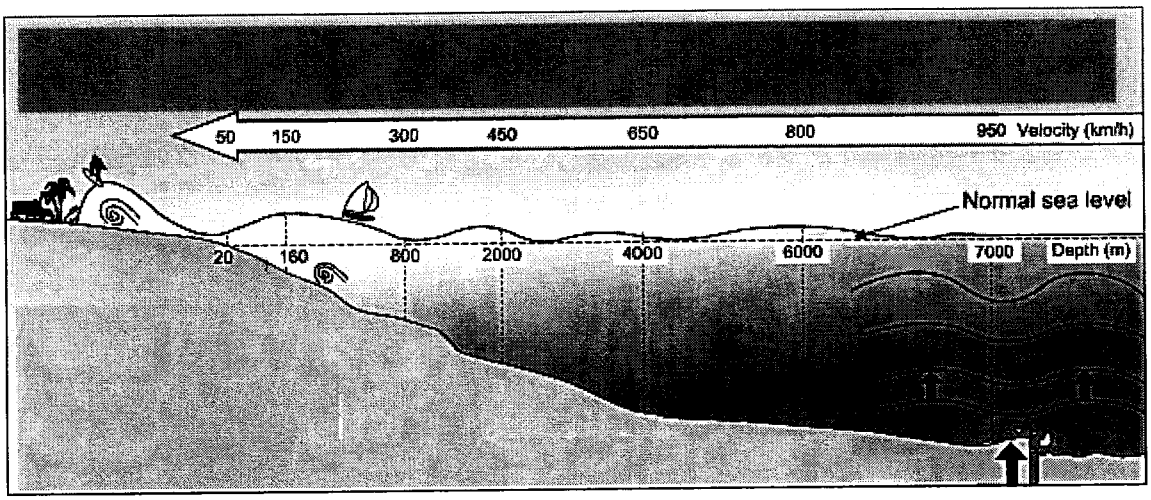


Fig. 2.2 for Question 2(b)

Diagram showing formation of a tsunami



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Fig. 3.1 for Question 3(a)

Singapore's '3 food baskets'

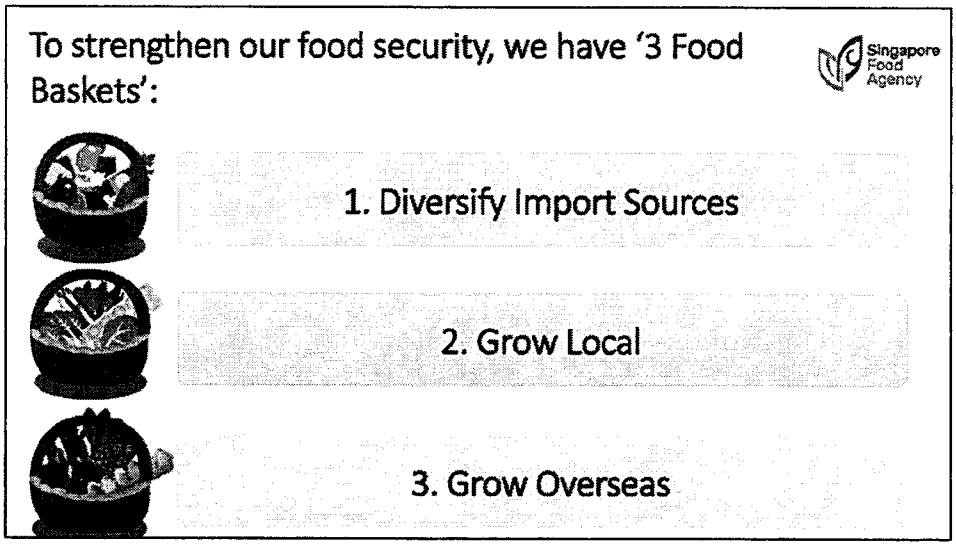
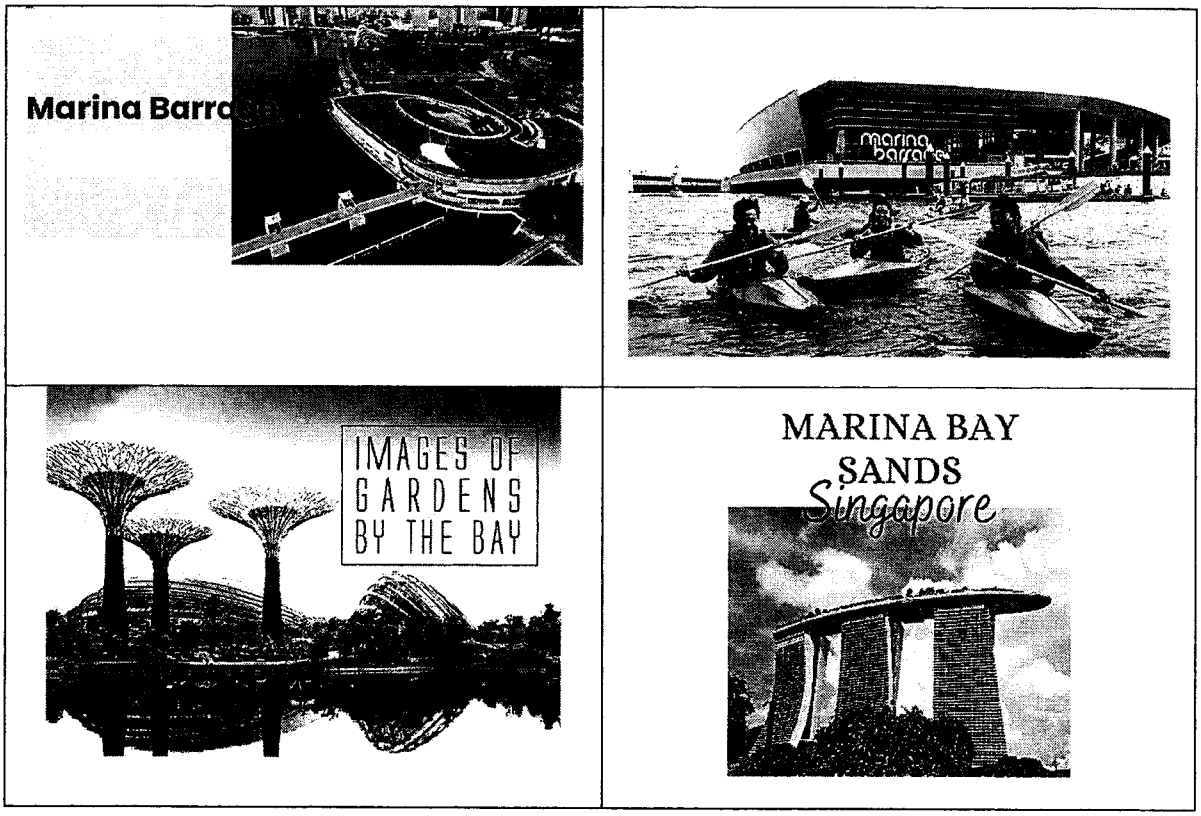


Fig. 3.2 for Question 3(c)

The Marina Bay area



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Question 1 Fig. 1.1	https://www.hbptc.org.sg/wp-content/uploads/2022/09/210123-17.png
Question 1 Fig. 1.2	https://dollarsandsense.sg/wp-content/uploads/2022/03/SCDF_Fire.png
Question 1 Fig. 1.3	https://www.stf.sg/wp-content/uploads/2020/01/grading-preparation-workshop-saturday-16-september-2017-01.jpg
Question 1 Fig. 1.4	https://encrypted-tbn0.gstatic.com/images?q=tbn:ANd9GcQCJe99DMDMfAQDs-KArjQ7jmK4-yxuoZC1J4w&s
Question 1 Fig. 1.5	https://dam.mediacorp.sg/image/upload/s--V3PYv3hl--c_crop,h_675,w_1200,x_0,y_283/c_fill,g_auto,h_468,w_830/f_auto,q_auto/v1/mediacorp/cna/image/2024/03/05/veron_wong_recycling_bin.jpeg?itok=H1V50L6b
Question 2 Fig. 2.1	https://www.cyberphysics.co.uk/graphics/diagrams/Earth/seafloorspreading.gif
Question 2 Fig. 2.2	https://geohazards.massey.ac.nz/tsunamis/pics/figure1t.gif
Question 3 Fig. 3.1	https://sustainability.nus.edu.sg/wp-content/uploads/2021/11/SFA_Food-Security-Deck_NUS-UCI_updated-5-Oct-2020-5-1024x576-1.jpg

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