

Class:	Register No:	Name:
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CRESCENT GIRLS' SCHOOL
SECONDARY FOUR
PRELIMINARY EXAMINATION 2025

GEOGRAPHY

2279/01

Paper 1

26 August 2025

1 hour 45 minutes

Candidates answer on the Question Paper.

Additional Materials: Insert

READ THESE INSTRUCTIONS FIRST

Write your name, register number and class in the spaces provided at the top of this page.

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.

Answer **all** questions.

The Insert contains additional resources referred to in the questions.

Candidates should support their answers with the use of relevant examples.

Sketch maps and diagrams should be drawn whenever they serve to illustrate an answer.

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

The total number of marks for this examination is 50.

1 Cluster 1: Geography in Everyday Life

During their internship with the Singapore Tourism Board (STB), a group of students were tasked to investigate the benefits and costs of Singapore hosting the Formula 1 (F1) race annually.

Using information that they found online, the students came up with a simplified map of the area where the race was held, Fig. 1.1 [Insert].

- (a) (i) Identify the type of data that students referenced, to come up with Fig. 1.1.

.....

..... [1]

- (ii) The students were interested to find out the original land use of the area when the race was not held to do a comparison of land-use.

Suggest **one** source of data that the students could find this information from.

.....

..... [1]

- (b) The students understood that one of the drawbacks of the race was the diversion of traffic and its consequences for all affected roads. Fig. 1.2 [Insert] show parts of the race circuit and hence the affected roads where traffic would be diverted from Friday to Sunday of the race weekend.

As such, the students sought to find out the typical traffic count along St. Andrew's Road, one of the roads that would be affected. The students collected the data on a Sunday evening, between the timings of 5.00pm to 10.00pm at the location marked X.

Fig. 1.3 below shows the data collected.

Time	Number of vehicles
5pm	1100
6pm	700
7pm	1200
8pm	1300
9pm	800
10pm	700

Fig. 1.3

- (i) Using Fig. 1.3, complete the graph in Fig. 1.4 to indicate the number of vehicles that were travelling along St. Andrew's Road during the study duration [3]

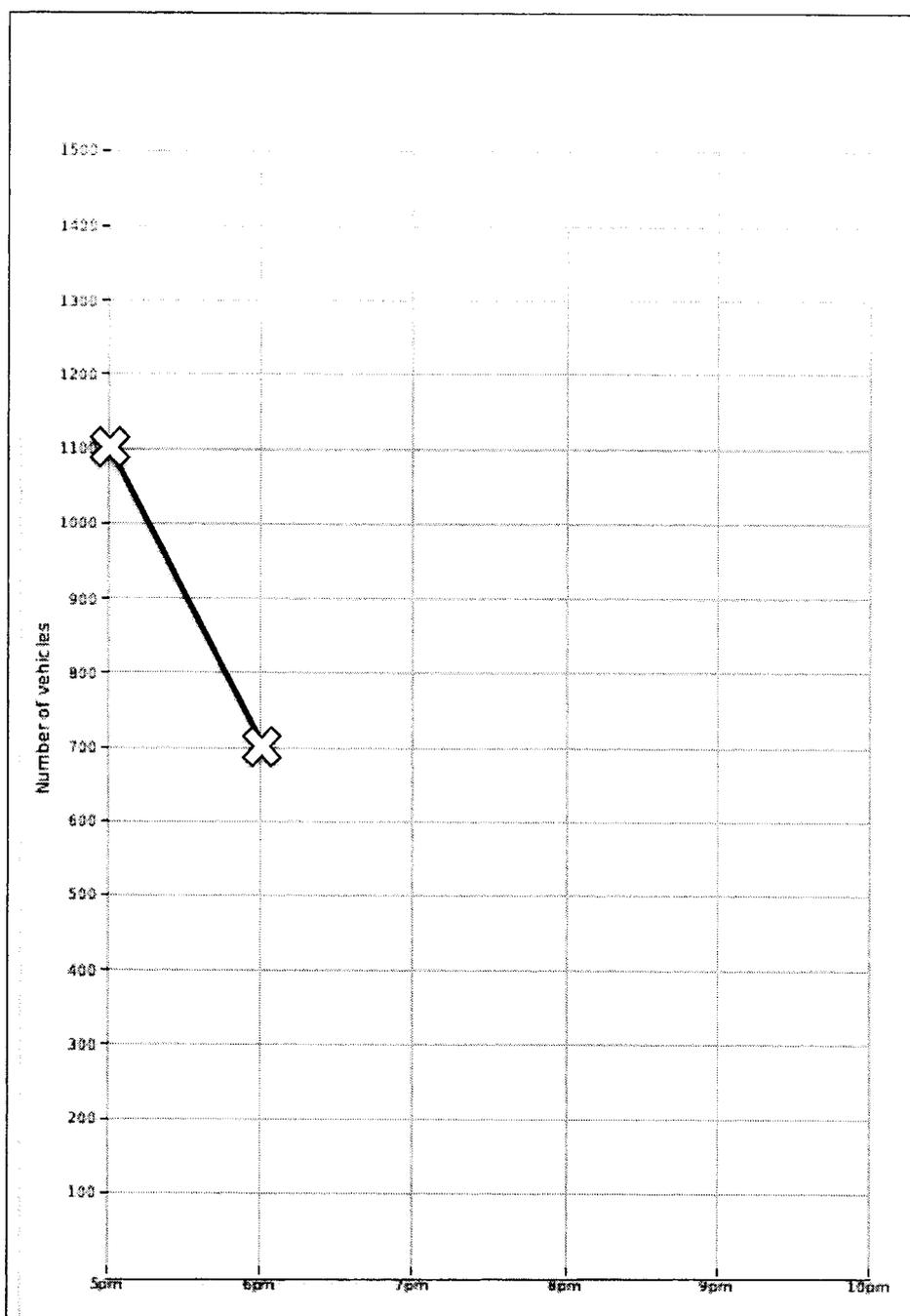


Fig. 1.4

[Turn over

(ii) Evaluate the reliability of the data collected by the students.

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

(iii) Suggest **two** improvements that could be made to the data collection process.

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

(c) The students understood that a key benefit from the holding of the F1 race was the increase in tourism expenditure when tourists travelled to Singapore to watch the event.

Using Fig. 1.5 below, the students decided to conduct interviews with tourists to investigate the hypothesis **“During the F1 race period, tourists travel to Singapore to watch the race.”**

Questionnaire	
1. What is your age?	
a. 0 – 20	
b. 21 – 40	
c. 41 – 60	
d. > 60	
2. What is your gender?	
a. Male / Female	
3. Did you travel to Singapore to specially attend the Formula 1 race?	
a. Yes / No	
4. Are you staying in Singapore for more than 5 days?	
a. Yes / No	
5. Will you be attending any F1-related events or activities during your stay?	
a. Yes / No	

Fig. 1.5

(ii) Using Fig. 1.2 [Insert], describe how the students can go about conducting the interviews using convenience sampling.

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.....[3]

(iii) Identify **two** limitations of the students' choice of sampling method.

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

[Total: 20]

3 Cluster 3: Climate

- (a) Figs. 3.1 and Fig. 3.2 (Insert) show climographs of two locations, Mexico City and Cancun respectively. Both cities are located at different altitudes in Mexico with Mexico City having an altitude of 2,240m above sea level and Cancun at sea level.

Using Figs. 3.1 and 3.2, explain how altitude can impact the climate of both cities.

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..... [3]

- (b) Explain how adaptation strategies can be used to build a community's resilience to climate change.

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..... [3]

[Turn over

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Fig. 1.1 for Question 1

Simplified map of Singapore F1 Race Circuit

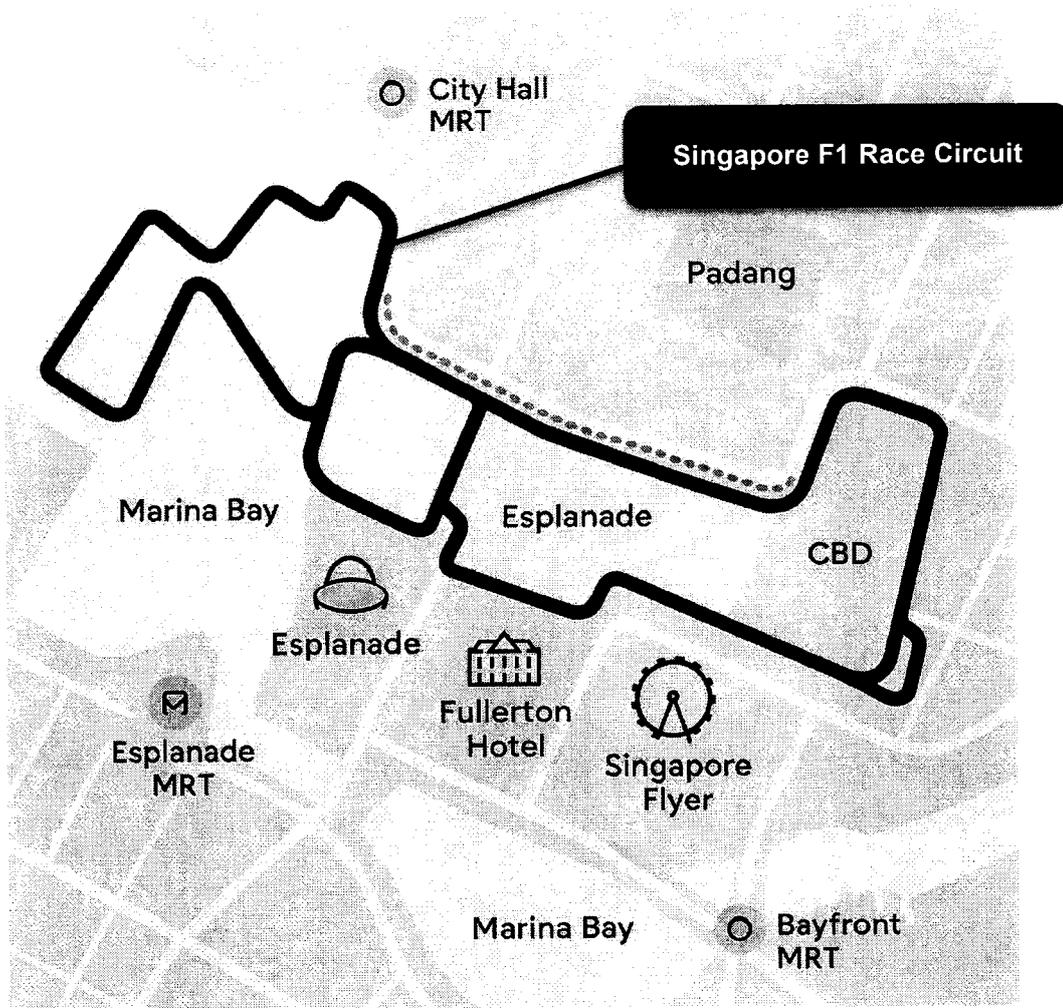


Fig. 1.2 for Question 1

Selected parts of the Singapore F1 race circuit

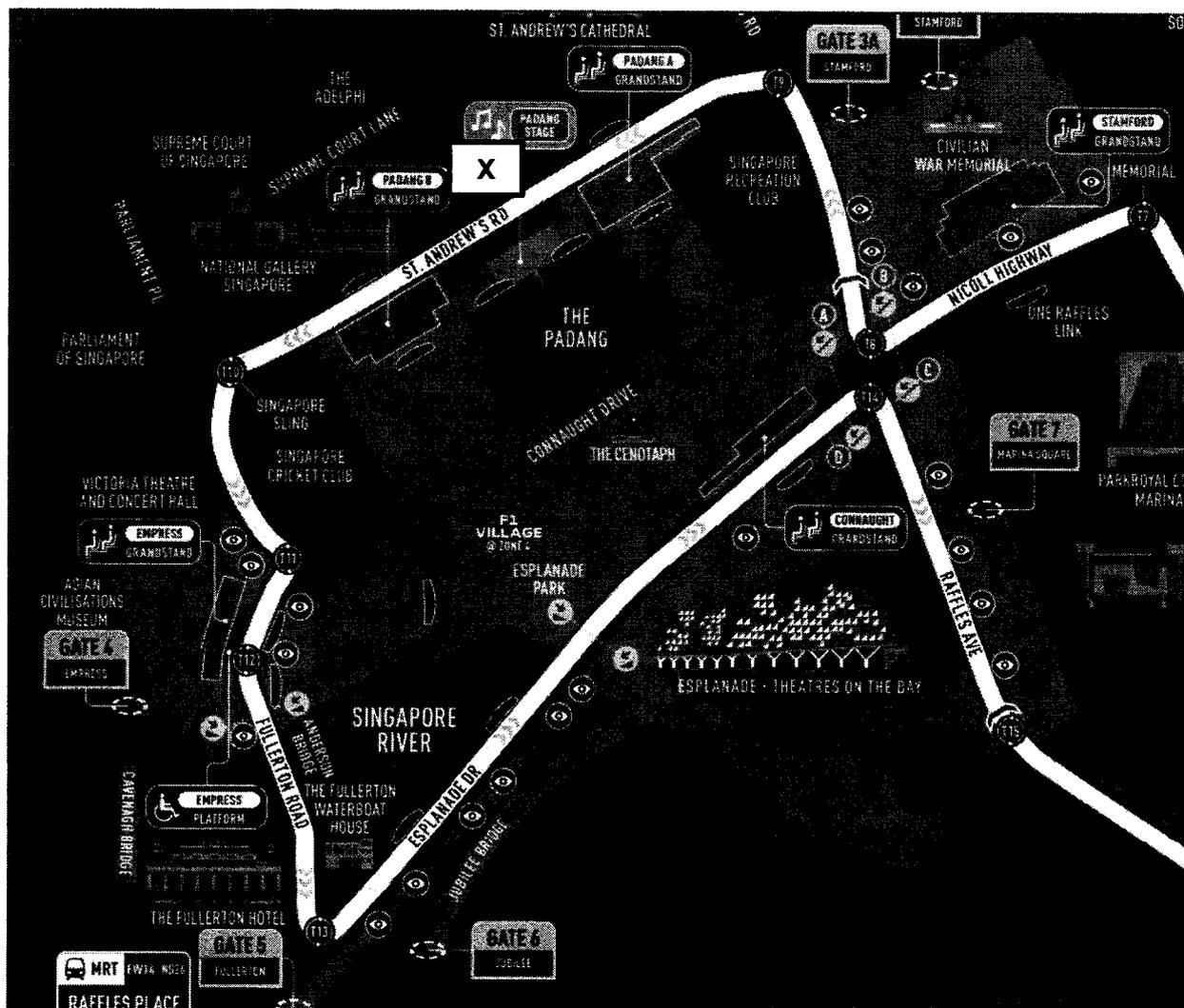
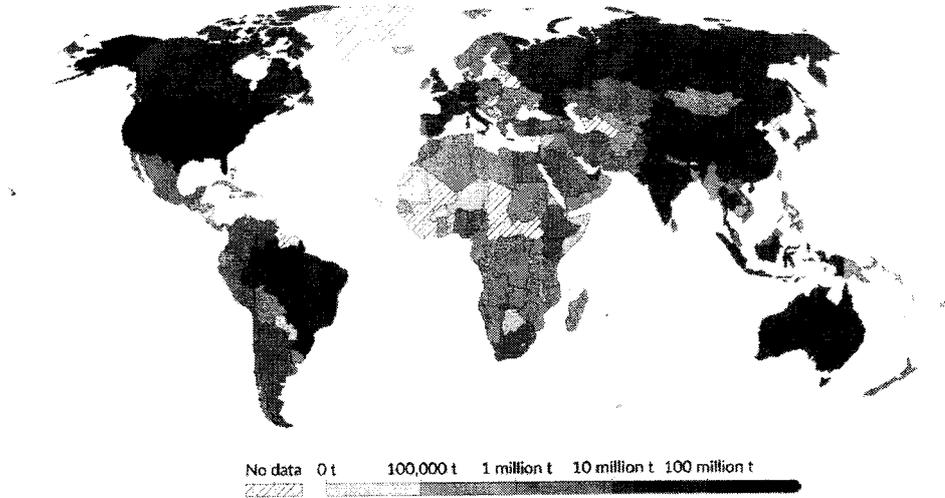


Fig. 2.1 for Question 2

Annual carbon dioxide emissions from the aviation industry, 2013

Annual CO₂ emissions from aviation, 2013



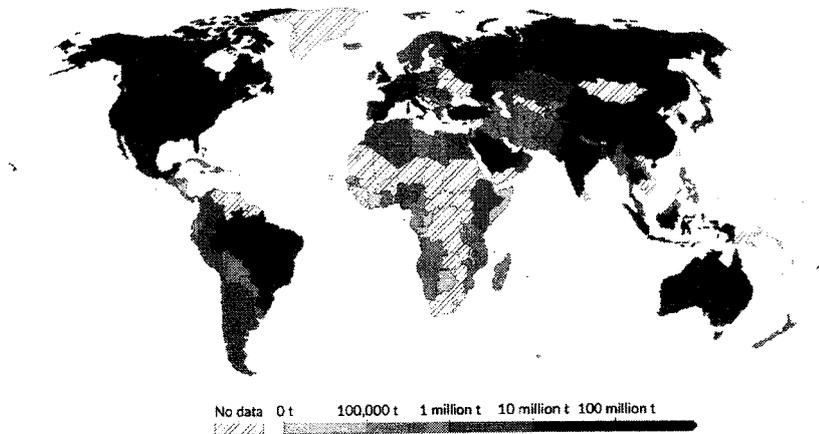
Data source: OECD (2025)

OurWorldinData.org/tourism | CC BY

Fig. 2.2 for Question 2

Annual carbon dioxide emissions from the aviation industry, 2024

Annual CO₂ emissions from aviation, 2024



Data source: OECD (2025)

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Fig. 2.3 for Question 2
Ecotourism in Kenya, Africa



Fig. 2.4 for Question 2
A scene of Maya beach after tourists have left



Figs. 3.1 and 3.2 for Question 3

Climographs of Mexico City and Cancun, Mexico

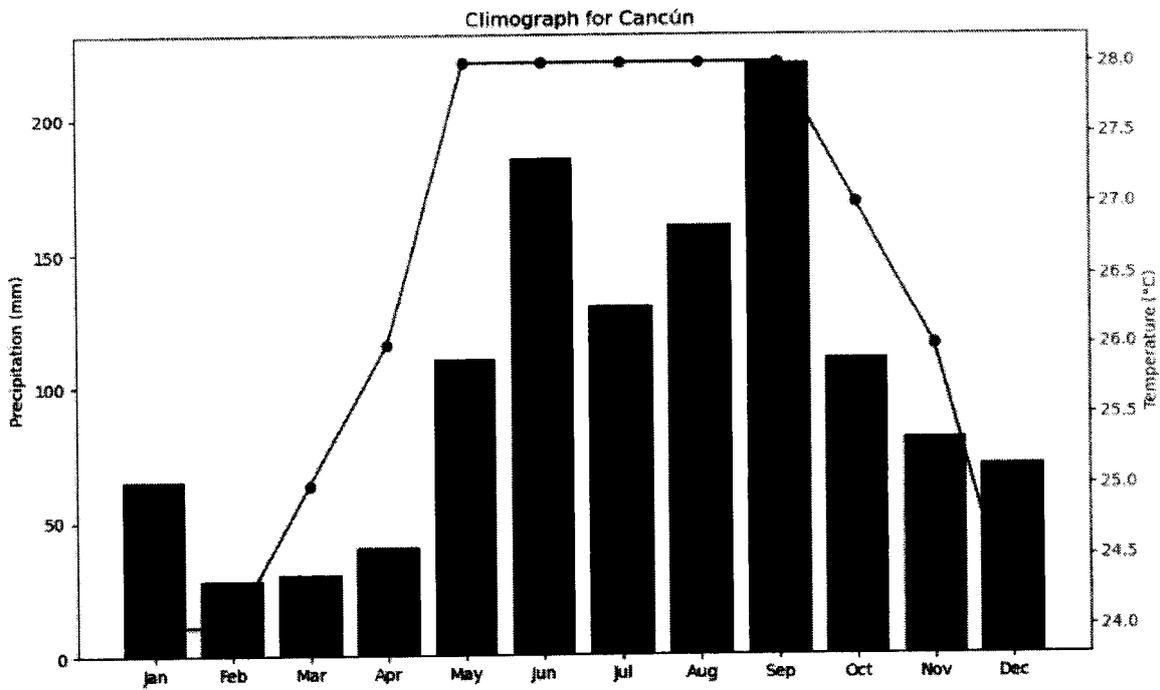
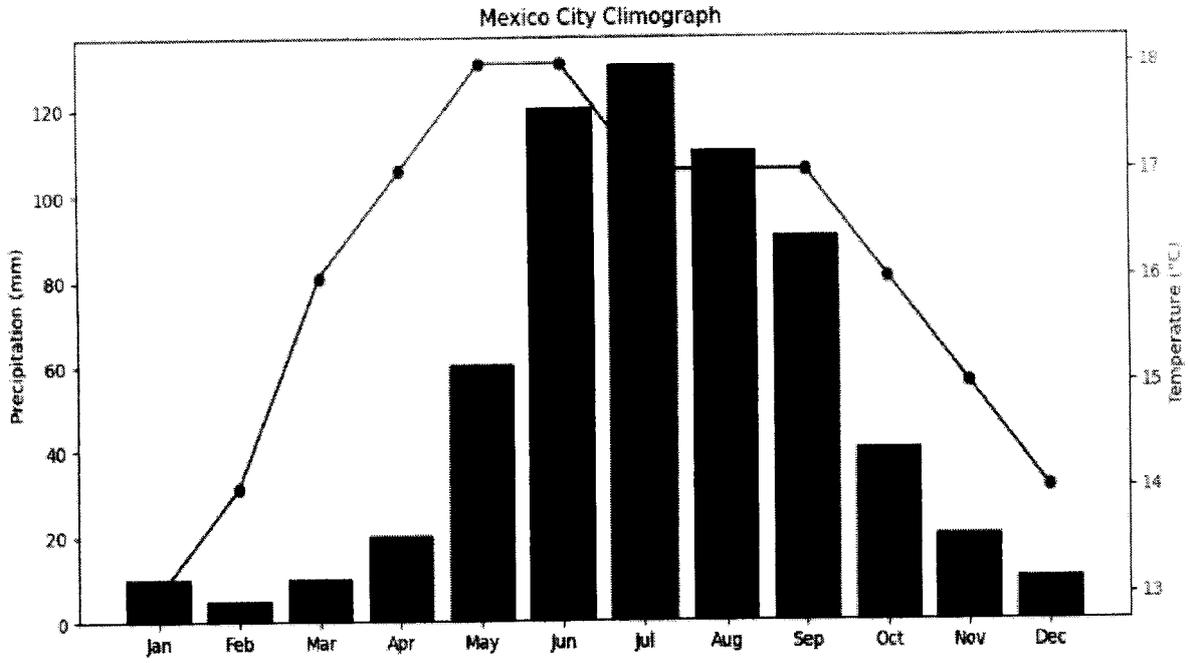
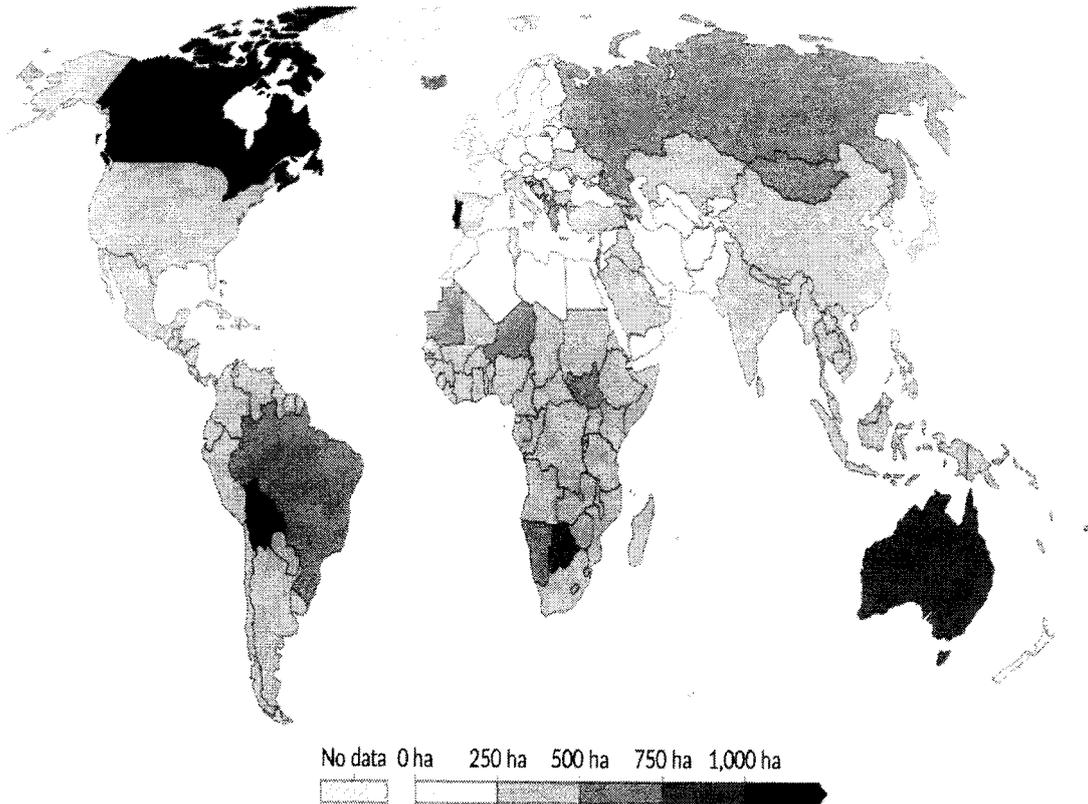


Fig. 3.3 for Question 3

A map showing damage caused by wildfires in 2024



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	Fig. 2.4	© https://go.gov.sg/s4cgprelimfig2-4
Question 3	Fig. 3.1	© original source
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CRESCENT GIRLS' SCHOOL
SECONDARY FOUR
PRELIMINARY EXAMINATION 2025

GEOGRAPHY**2279/02**

Paper 2

21 August 2025**1 hour 45 minutes**

Candidates answer on the Question Paper.

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- (c) Study Fig. 1 (Insert), which shows the 'Garden by the Roof' project implemented in Jurong West.

Using Fig. 1, describe how the ecosystem service has benefited people in the neighbourhood.

[4]

- 1 (d) Study Photograph A (Insert), which shows the impacts of fire hazard in a neighbourhood.

Using Photograph A, explain the negative consequences fire hazards may have on the urban neighbourhood.

[4]

[Total: 15]

[Turn over

3 Cluster 5: Singapore

- (a)** Fig. 2 (Insert) shows Singapore's annual average PM2.5 concentration over the last 10 years.

Using Fig. 2, describe how Singapore's average PM2.5 concentration has changed between 2014 and 2023.

[3]

- (b)** With the use of specific examples, explain how Singapore has applied mitigation strategies to strengthen its climate resilience.

[4]

(c) Fig. 3 (Insert) shows the tourism performance in Singapore in 2022.

Using Fig. 3, describe the economic impacts brought about by tourism.

-----[4]

(d) 'A competitive economy is more important than a sustainable environment in ensuring Singapore's sustainable development.'

To what extent do you agree with this view? Explain your answer.

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Question 2	Table 1	© Source Own
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Question 3	Fig. 2	© https://tinyurl.com/2025S4P24
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Paper 2

**21 August 2025
1 hour 45 minutes**

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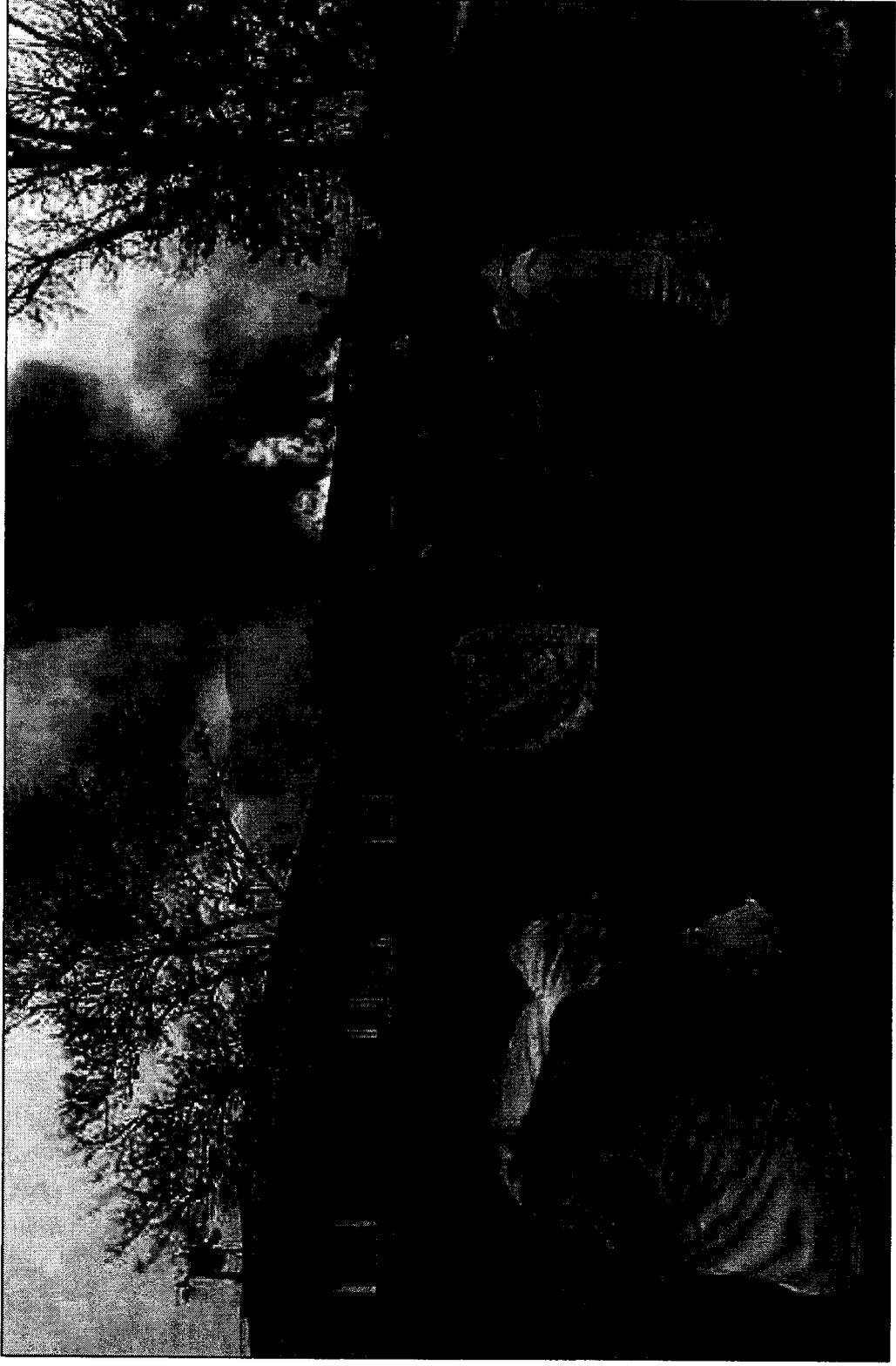
Fig. 1 for Question 1

'Garden By the Roof' Project implemented in Jurong West



Photograph A for Question 1

Impacts of fire hazards



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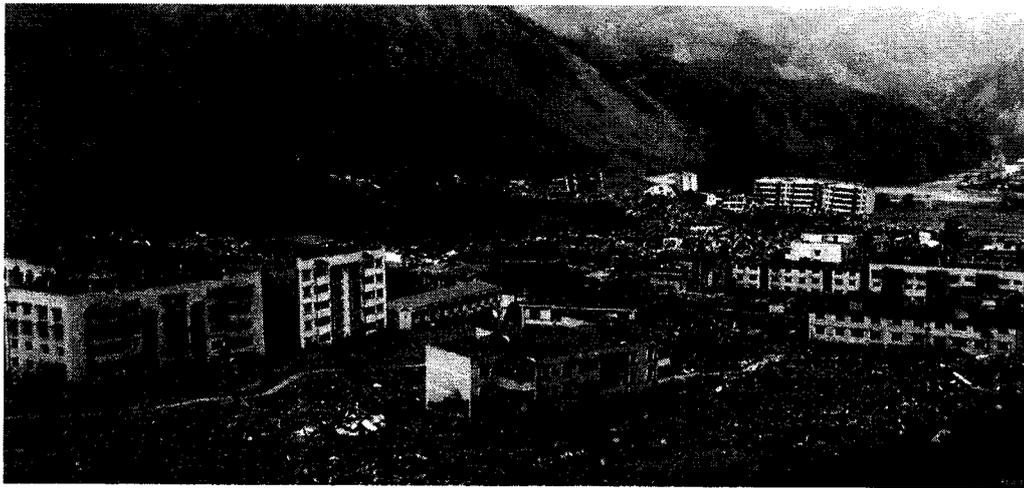
Table 1 for Question 2

Comparative overview of major earthquakes

Earthquake	Magnitude	Epicentre	Vulnerable Conditions	Death Toll	Economic Loss (billions)
2010 Haiti	● 7.0	📍 25 km from Port-au-Prince	🏠 Soft soil, poor construction	☠️ 230,000	💰 \$8B
2011 Tōhoku, Japan	● 9.0	📍 70 km offshore from Sendai	🏠 Coastal exposure, liquefaction	☠️ 19,700	💰 \$235B
2004 Indian Ocean	● 9.3	📍 160 km offshore from Banda Aceh	🏠 Poor design, dense shorelines	☠️ 227,000	💰 \$15B
2023 Türkiye–Syria	● 7.8	📍 37 km from Gaziantep	🏠 Old buildings, soft soil	☠️ 59,000	💰 \$118B

Photograph B for Question 2

Hazards that affected the town of Beichuan, China in 2008.



[Turn over

Fig. 2 for Question 3

Singapore's annual average PM2.5 over the last 10 years.

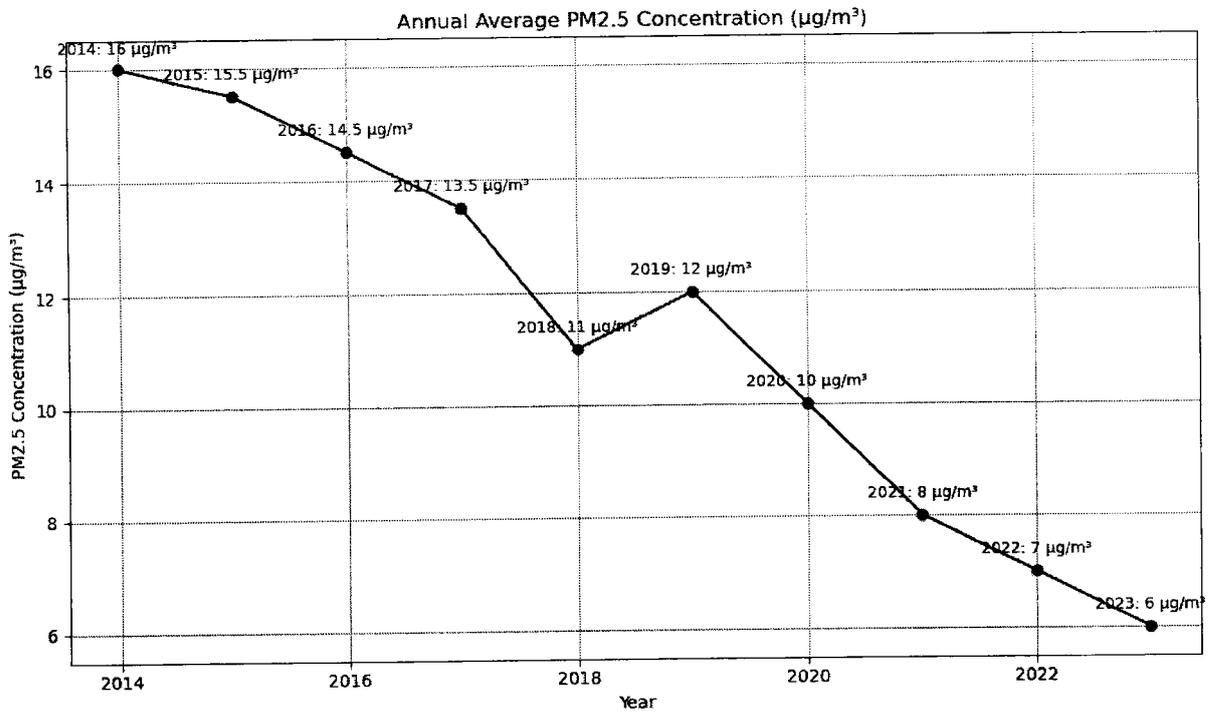
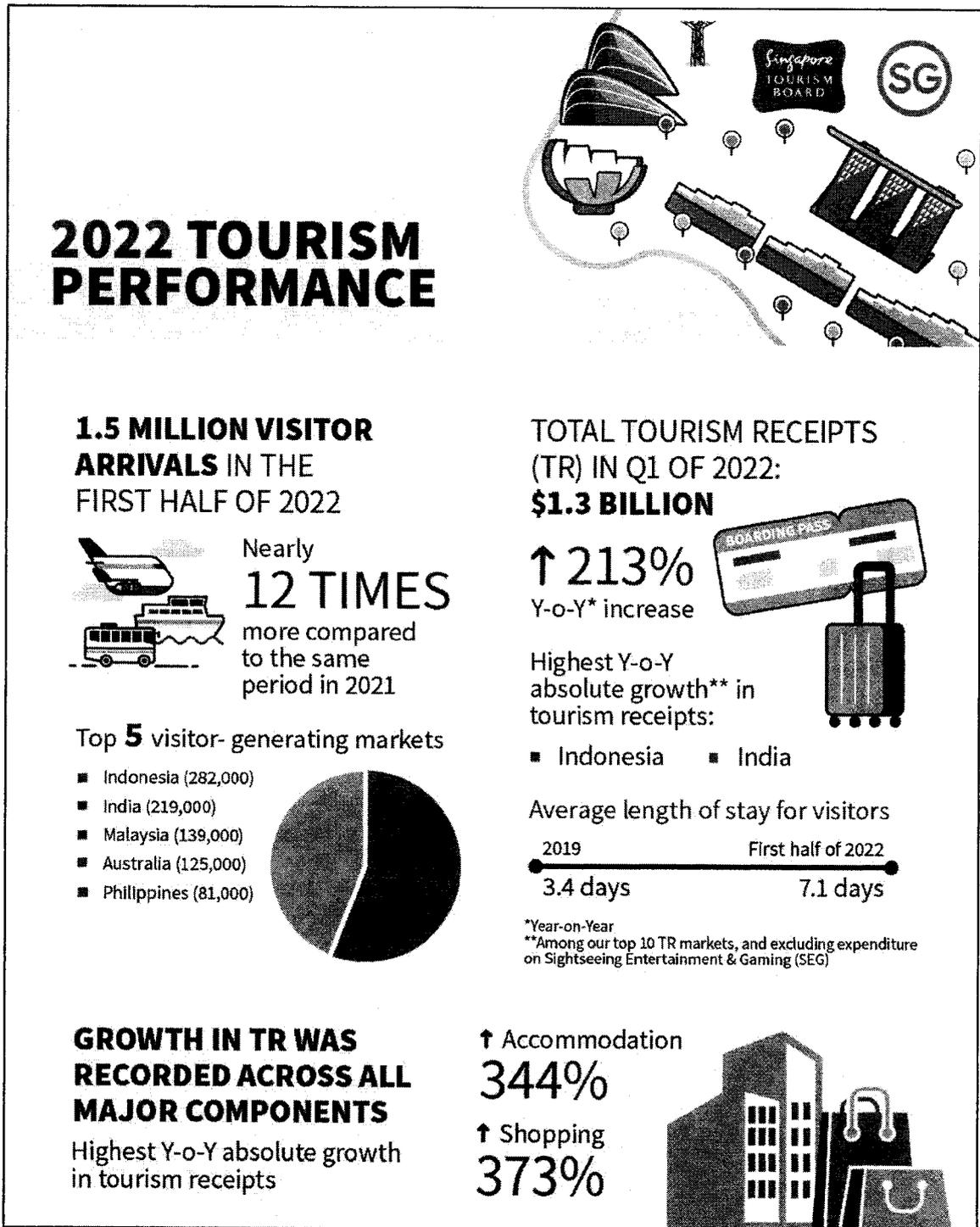


Fig. 3. for Question 3

Tourism performance in Singapore in 2022



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