

Name:		Index Number:		Class:	
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CATHOLIC HIGH SCHOOL
Preliminary Examination
Secondary 4 (O-Level Programme)

GEOGRAPHY

2279/01

27 August 2025

Additional Materials: Insert

1 hr 45 mins

READ THESE INSTRUCTIONS FIRST

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

Write in dark blue or black pen.

You may use a soft pencil for any rough working.

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

DO NOT WRITE ON THE MARGINS.

Answer **all** questions.

For examiner's use only:

Question 1	/ 20 m
Question 2	/ 15 m
Question 3	/ 15 m
Total	/ 50 marks

1. Write all answers on this booklet.
 2. You may use the additional pages at the back of this booklet, where necessary.
 3. The number of marks is given in brackets [] at the end of each question or part question.
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This document consists of **14** printed pages and **2** blank pages.

[Turn over

Answer all questions.

1 Geography in Everyday Life

A group of students are interested to investigate the importance of community spaces to residents in a neighbourhood in Singapore. The students believe that community spaces play an important part in building a strong sense of place as residents will interact and build bonds with one another.

Study Fig. 1.1 (Insert), which shows a map of Punggol estate that students have selected to conduct their investigation.

The students decided to test their hypothesis: 'Community spaces provide opportunities for residents to interact and build a strong sense of place', by conducting a questionnaire survey and also asking respondents to draw a mental map of the sites that provide them with a sense of place.

(a) (i) Their teacher commented that the hypothesis can be improved on.

Suggest how the students can improve their hypothesis.

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(b) Suggest two safety measures that the students need to put in place before they embark on their data collection.

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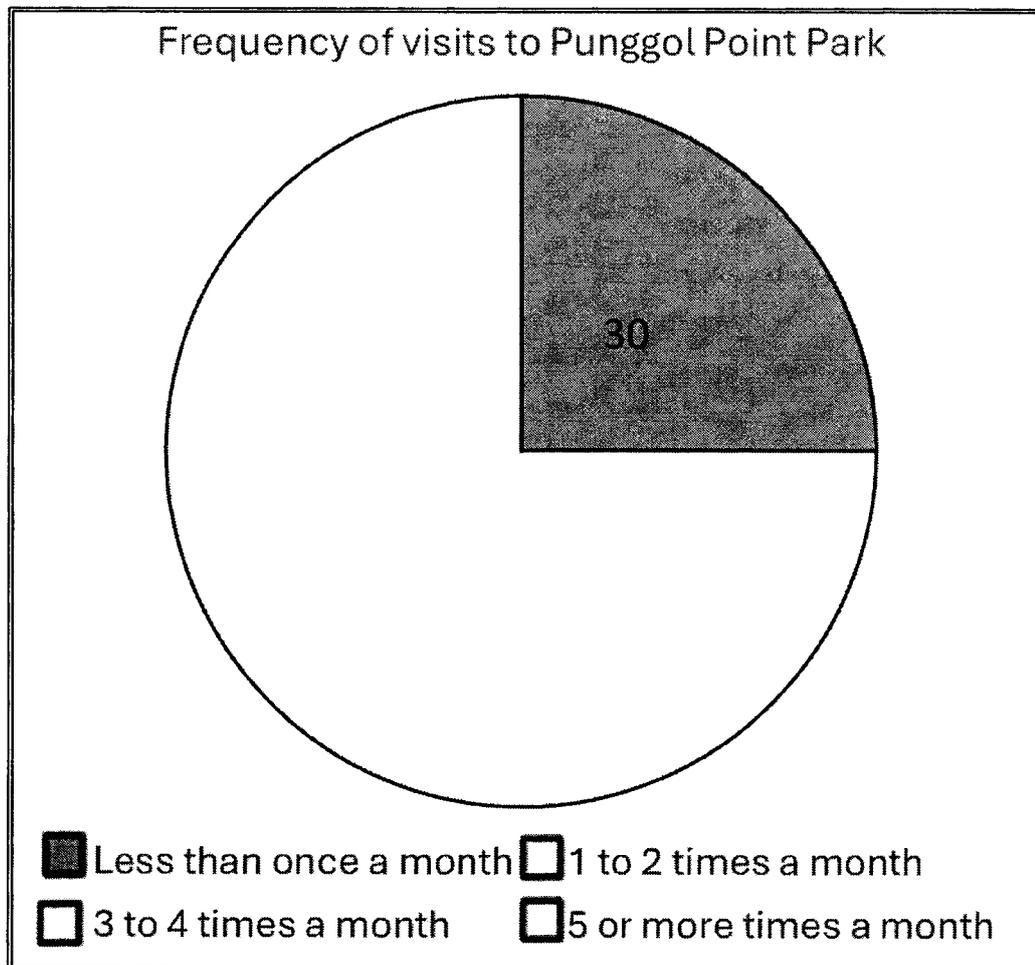
- (c) The students did a quick survey of the frequency in which residents visited Punggol Point Park. The data collected is presented in Table 1.

Table 1

Frequency of visit	Number of respondents
Less than once a month	30
1 – 2 times a month	45
3 – 4 times a month	25
5 or more times a month	20

Present the data in the pie chart below.

[3]



(iii) Explain the sharp decline in international tourist arrivals shown in Fig. 2.1. [3]

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(b) Study Fig. 2.2, which describes about the approach towards sustainable tourism by a country.

This type of sustainable tourism focuses on helping disadvantaged communities by directing tourism benefits straight to them. It supports local businesses like small guesthouses, craft sellers, and community tours, boosting incomes and reducing poverty. Unlike tourism dominated by large corporations, it encourages local involvement in managing and deciding on tourism activities. By prioritizing marginalized groups, this approach empowers communities to improve their futures and ensures tourism creates lasting positive impacts, benefiting the people who live in the destinations.

Fig. 2.2

Explain how the government can support this form of sustainable tourism.

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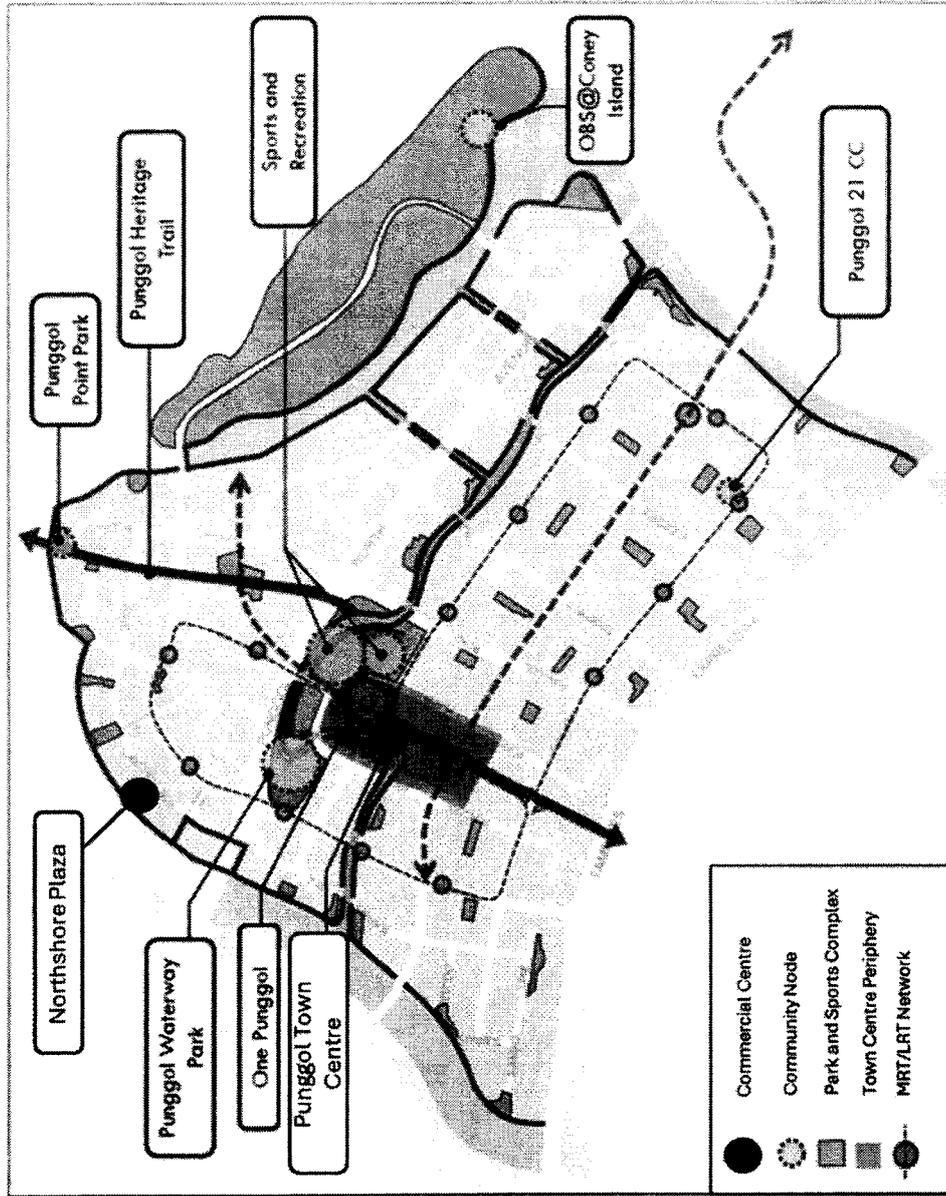
READ THESE INSTRUCTIONS FIRST

This Insert contains additional resources referred to in the questions.

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Fig. 1.1 for Question 1
Map of Punggol Town's Community Spaces



A range of community spaces have been planned for and developed strategically within the town. They help to build active and cohesive communities by drawing residents together for activities and interactions, while providing for their daily needs.

- **Recreational Spaces**
 These include sports complex, parks and open spaces
- **Commercial Centres**
 These are strategically located within the town, to serve as localised retail spaces for residents living nearby to shop at
- **Community Nodes**
 These community nodes are distributed across the town, with facilities for residents to frequent and meet one another.

Fig. 1.2 for Question 1

Sample of Questionnaire

Question 5

Which of the following places do you feel most connected with?
Choose 1 option only.

- Punggol Waterway Park
 Punggol Point Park
 Punggol Town Centre
 Northshore Plaza

Question 7

Which of the following activities do you participate at the following places?

Put a where applicable. You may choose more than 1.

	Punggol Waterway Park	Punggol Point Park	Punggol Town Centre	Northshore Plaza
Exercise				
Shopping				
Meet Friends				
Dining				

Table 2 for Question 1

Questionnaire Survey Findings for Question 1

Question 5 - Number of responses where respondents indicated experiencing a sense of place

Age Groups	Recreational Spaces		Commercial Spaces	
	Punggol Waterway Park	Punggol Point Park	Punggol Town Centre	Northshore Plaza
16 – 25 years	14	2	30	4
26 – 45 years	16	10	15	9
46 – 65 years	22	7	17	4
Above 65 years	23	2	22	3
Total	75	21	84	20

Fig. 1.3 for Question 1

Questionnaire Survey Findings

Question 7 – Purpose of visit (200 respondents)

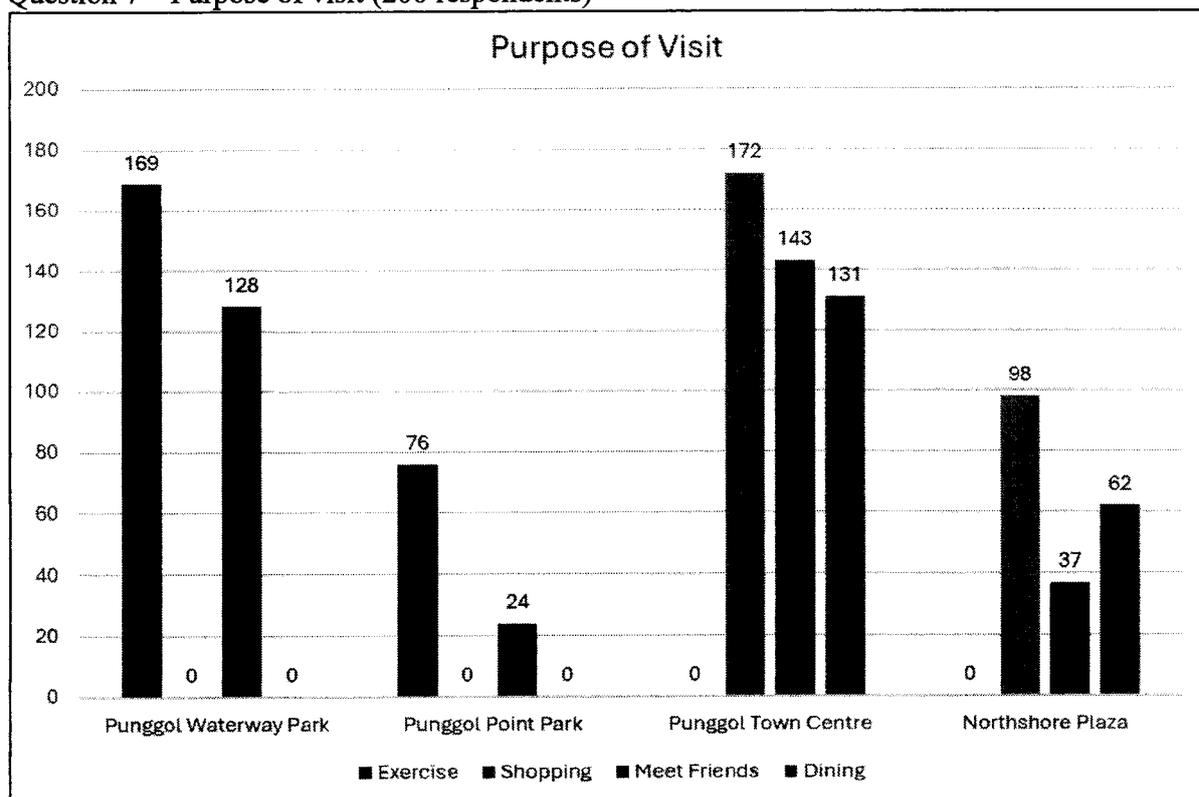


Fig. 2.1 for Question 2
International Tourist Arrivals

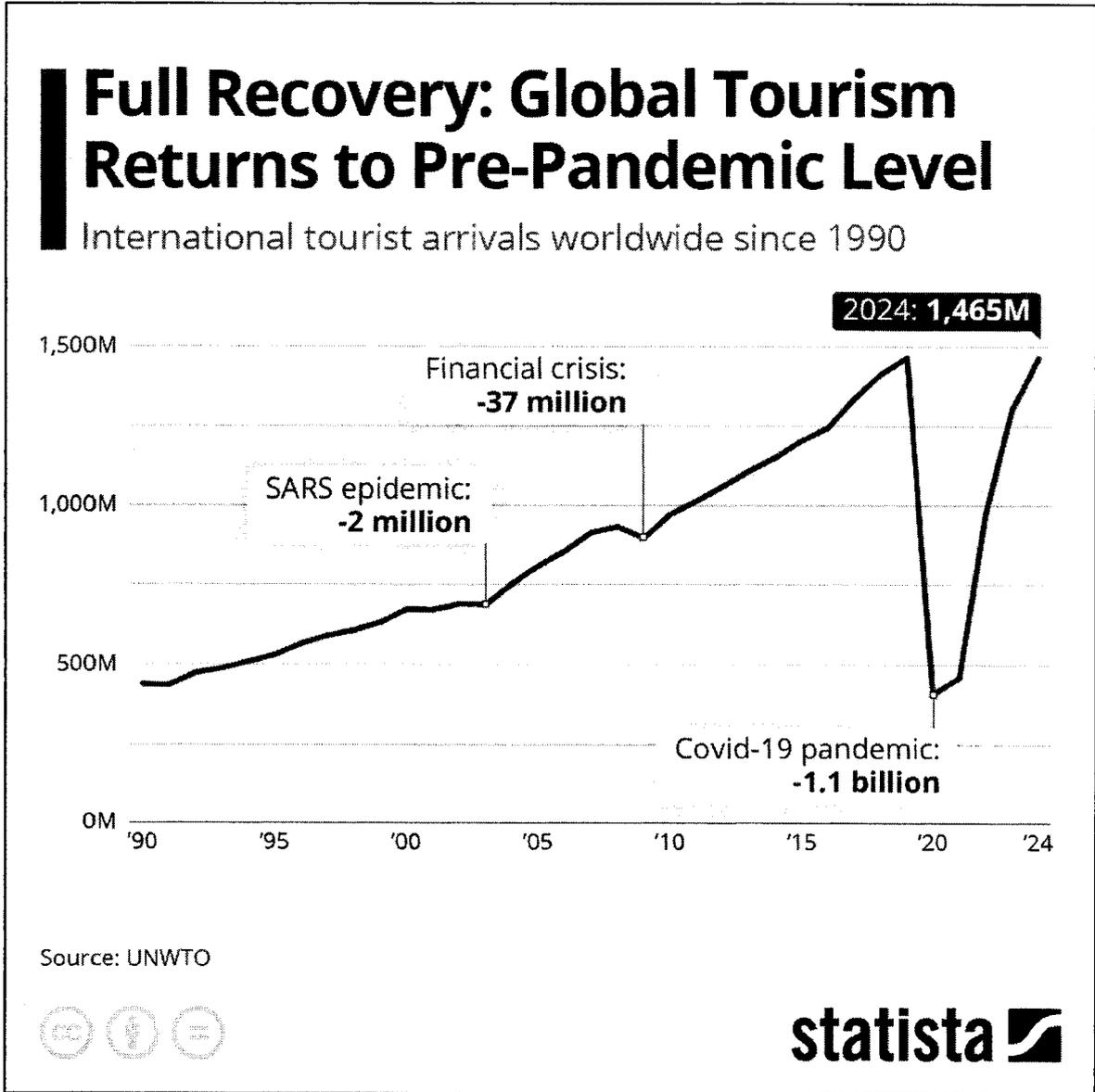


Fig. 2.3 for Question 2
Canary Islands residents protesting against tourism



Fig. 2.4 for Question 2
Local indigenous guide with tourists in Ecuador



Fig. 3.1 for Question 3

Graph showing global CO₂ Emissions and Population Growth

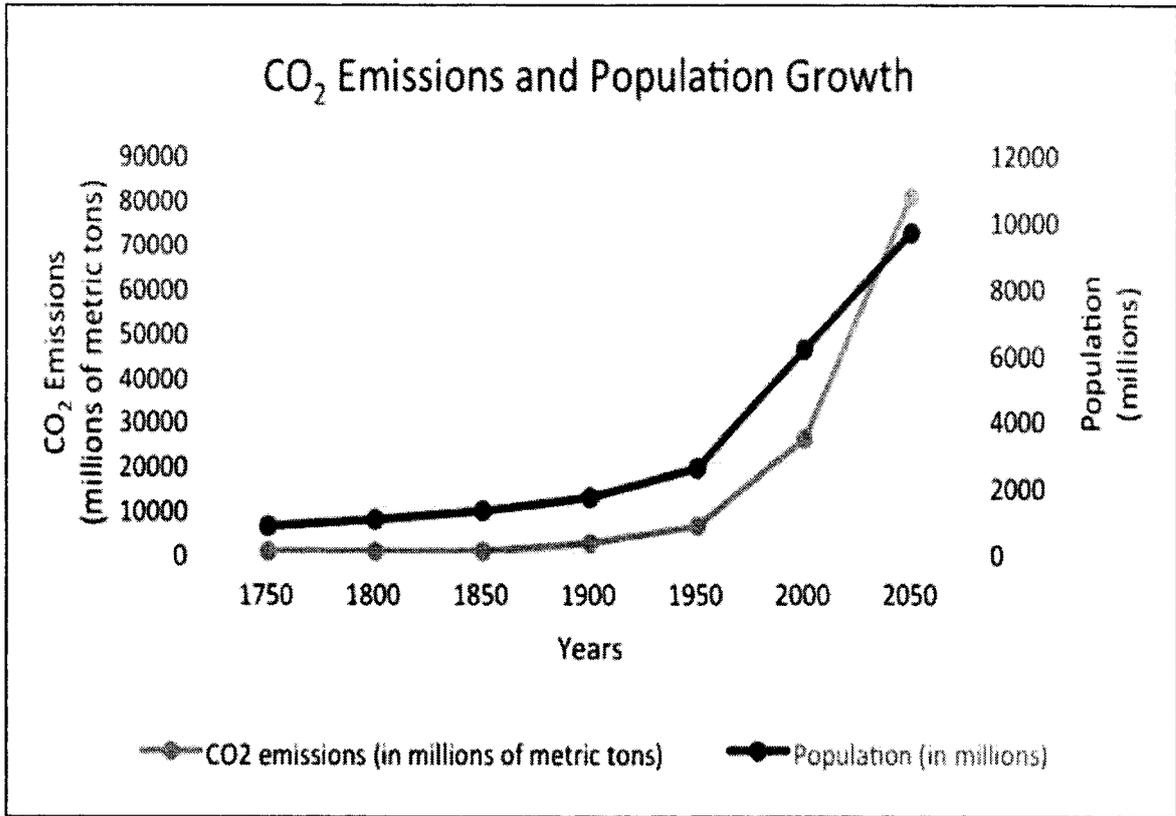


Fig. 3.2 for Question 3
Photograph of the generation of energy



<i>Copyright Acknowledgements:</i>		
Question 1	Fig. 1.1	https://www.hdb.gov.sg/-/media/doc/DDG-UPG/TDGs/Punggol-Town-Design-Guide.pdf
Question 2	Fig. 2.1	https://www.statista.com/chart/21793/international-tourist-arrivals-worldwide/
	Fig. 2.3	https://www.timeout.com/news/canaries-have-a-limit-why-thousands-of-locals-are-protesting-in-the-canary-islands-051925
	Fig. 2.4	https://www.tourismcares.org/tourism-cares-blog/how-community-based-tourism-empowers-locals-and-enhances-travel
Question 3	Fig. 3.1	https://ourworldindata.org/co2-and-greenhouse-gas-emissions
	Fig. 3.2	https://unsplash.com/s/photos/renewable-energy

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2279/02

Paper 2

1 Sept 2025

1 hour 45 minutes

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Question 4	/ 20 m
Total	/ 50 marks

This document consists of **15** printed pages and **1** blank page.

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Answer all questions.

1 Cluster 1: Geography in Everyday Life

(a) Study Fig. 1.1 (Insert), which shows a children’s playground and an adult fitness corner in Tanjong Pagar.

(i) Using Fig. 1.1, explain the spatial association shown in the photograph.

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(ii) Describe how the facilities in Fig. 1.1 could benefit local communities

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(b) Study Fig. 2.2 (Insert), which shows the relationship between the magnitude of earthquake and death tolls in Turkey from 1903 to 2023.

(i) Using Fig. 2.2, describe the relationship between the magnitude of earthquake and death tolls in Turkey.

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(ii) Suggest how earthquakes can bring serious impacts to the economy.

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(ii) Outline two political considerations involved in the planning of large scale sustainable development projects such as Marina Barrage.

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(c) Study Fig. 3.3, which shows sea level rise.

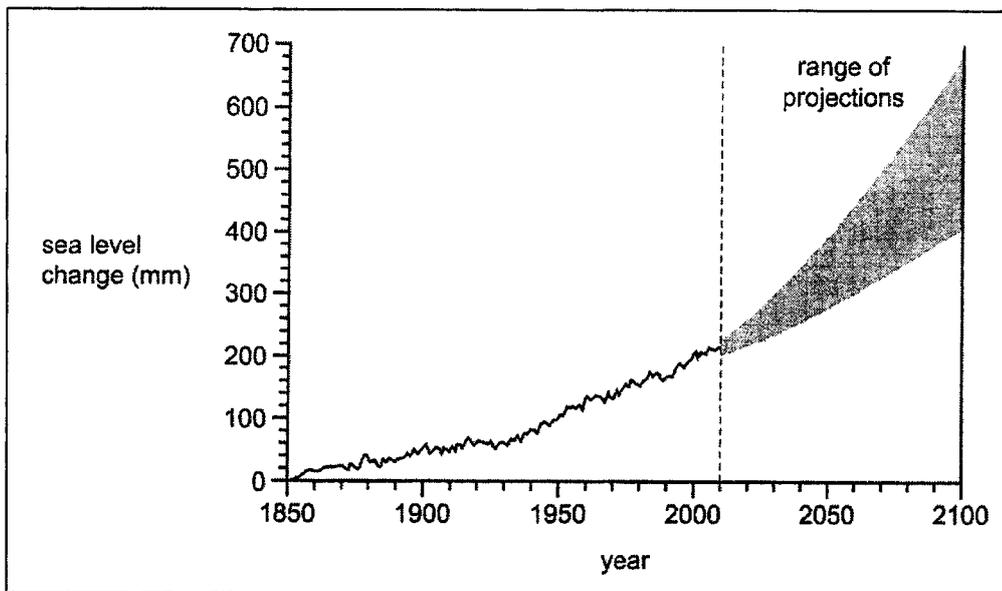


Fig. 3.3

Describe the changes in the sea level from 1850 to 2100.

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Copyright Acknowledgements:

Question 1(a)	Figure 1.1	MOE
Question 1(c)(i)	Figure 1.2	https://subsites.chinadaily.com.cn/tianjin/binhain/2019-04/26/c_429663.htm
Question 2(a)	Figure 2.1	https://www.thoughtco.com/how-old-is-the-ocean-floor-3960755
Question 2(b)(i)	Figure 2.2	https://www.statista.com/chart/29252/20-earthquakes-in-turkey/
Question 3(a)	Figure 3.1	Singapore Metrological Station and CNA
Question 3(b)(i)	Figure 3.2	CNA
Question 3(c)	Figure 3.3	GCE O Levels 2014

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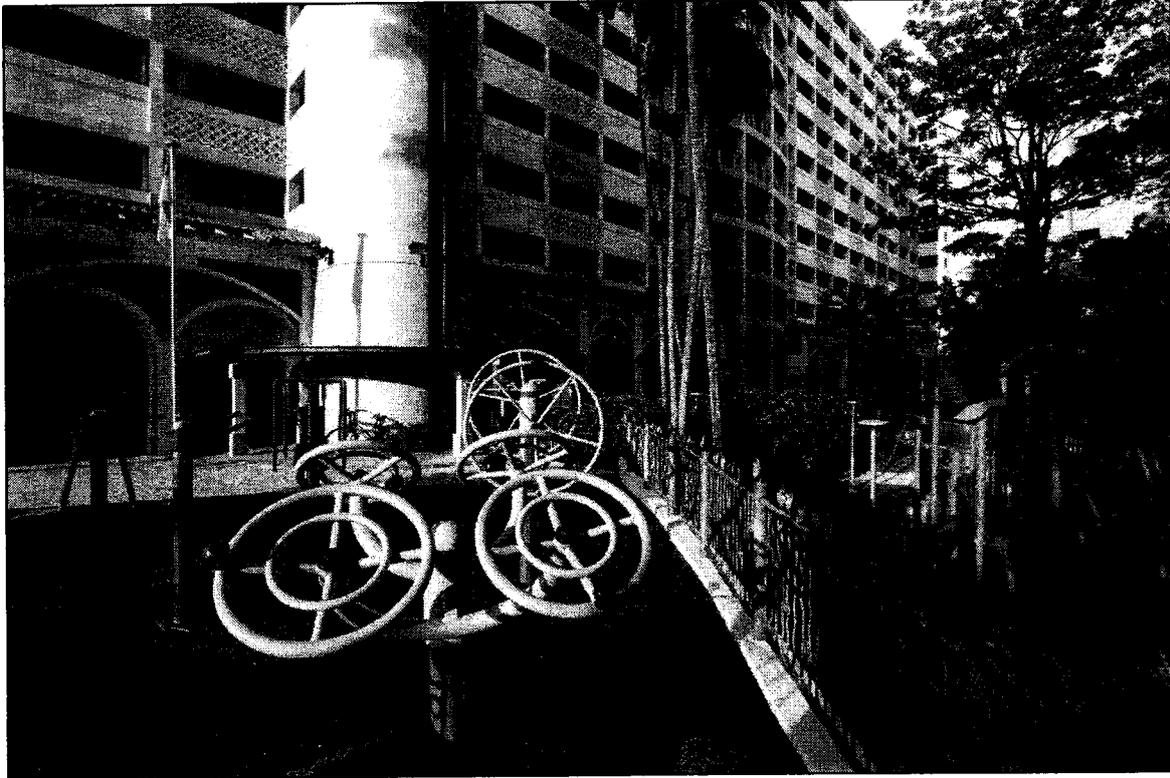
The Insert contains additional resources referred to in the questions.

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Fig. 1.1 for Question 1

A photograph showing a children's playground and an adult fitness corner in Tanjong Pagar



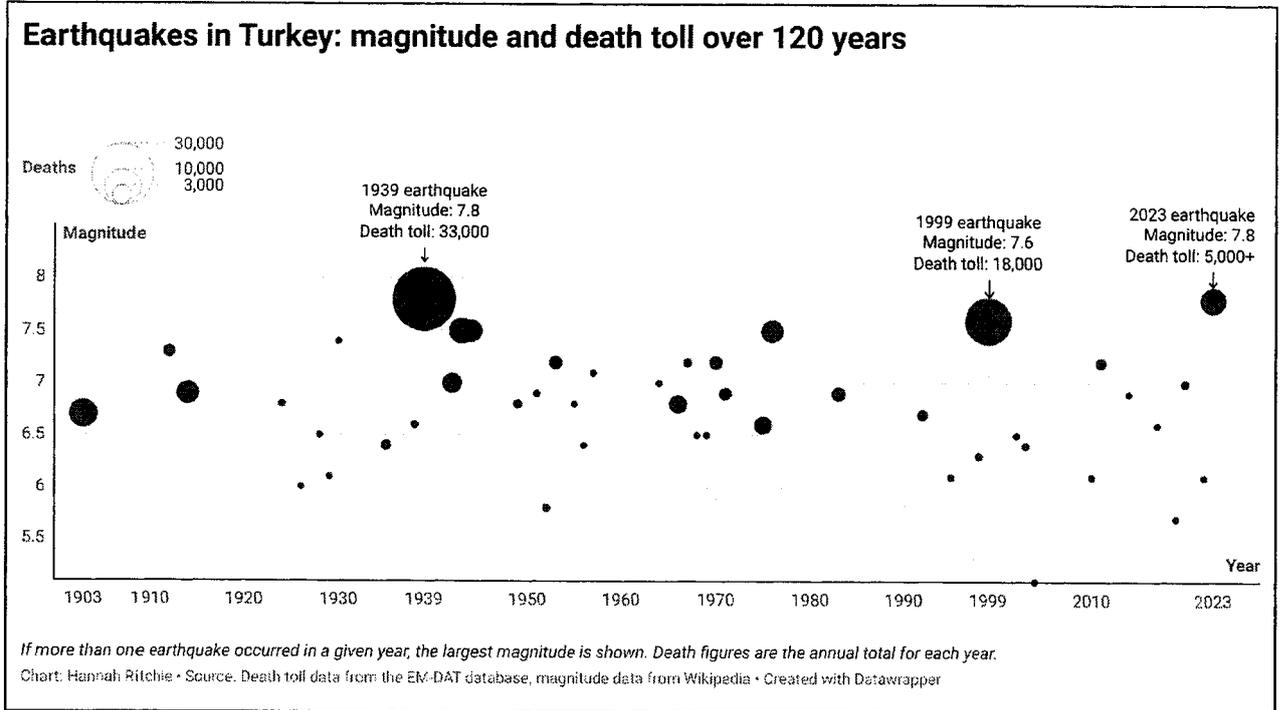
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Fig. 1.2 for Question 1**Tianjin Eco City, China****Tianjin Eco City**

Tianjin Eco-City is a fascinating, 30 square kilometer development designed to showcase the hottest new green technologies and to serve as a model for future developing Chinese cities. Designed by Surbana Urban Planning Group, the city is being built just 10 minutes away from the business parks at the Tianjin Economic-Development Area, making commute a breeze with the development's advanced light rail transit system.

[Turn over

Fig. 2.2 for Question 2



[Turn over

Fig. 3.1 for Question 3
Singapore weather extremes in 2023

