

**Anglo-Chinese School
(Independent)**



**PRELIMINARY EXAMINATION 2026
YEAR FOUR (O-LEVELS)**

Candidate Name

Index Number

GEOGRAPHY

2279/02

Paper 2

Monday

17 August 2026

1 hour 45 minutes

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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[Turn Over

This document consists of **13** printed pages, **1** blank page and **1** Insert.

Answer **all** questions.

1 Cluster 1: Geography in Everyday Life

(a) Study Fig. 1.1 (Insert), which shows the Bishan-Ang Mo Kio Park in Singapore.

- (i) Using Fig. 1.1, explain how the Bishan-Ang Mo Kio Park enhances the well-being of residents in Singapore.

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[2]

- (ii) With reference to Fig. 1.1, describe how nature will negatively affect people due to the proximity of the park to the residential developments.

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[2]

- (iii) Suggest ways in which people can develop a sense of place towards the Bishan-Ang Mo Kio Park.

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[2]

- (b)** Study Fig 1.2 (Insert), which shows the layout and photographs of Kampung Admiralty, Singapore's first integrated vertical "kampung" (village).

Using Fig. 1.2, explain how the design of Kampung Admiralty achieves:

- (i)** economic sustainability:

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

- (ii)** social sustainability:

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

- (iii)** environmental sustainability:

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- (c) Using a named example, describe how community resilience can be achieved.

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[3]

[Total: 15]

2 Cluster 4: Tectonics

- (a) Study Fig. 2.1 (Insert), which shows the formation of the Sierra Nevada mountains.

Using Fig. 2.1, explain the formation of the Sierra Nevada mountains.

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[3]

- (b) (i) Study Fig 2.2, which shows a volcano.

Identify features W, X, Y and Z.

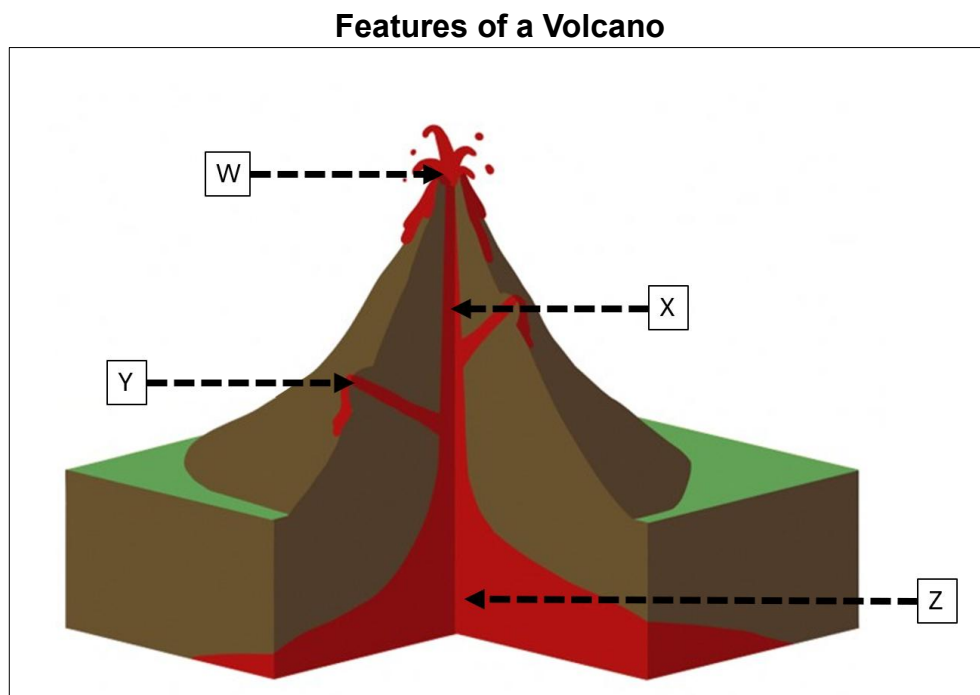


Fig. 2.2

W:

X:

Y:

Z:

[2]

[Turn Over

- (ii) Describe the impacts of volcanic eruptions on natural systems.

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[2]

- (c) Study Fig. 2.3 (Insert), which shows the expected death toll should the Nankai Trough megaquake occur in Japan (worst-case scenario). A megaquake is an earthquake with a magnitude of more than $8.0M_w$.

- (i) Using Fig. 2.3, describe the distribution of the expected death toll in Japan.

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[3]

- (ii) Suggest reasons for the differences in the expected death toll in areas with 10,001 or more deaths.

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- (iii) With reference to Fig. 2.3, explain why advanced earthquake warning and monitoring systems may not completely prevent casualties during a megaquake.

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..... [2]

[Total: 15]

3 Cluster 5: Singapore

(a) Study Fig. 3.1 (Insert), which provides information about Singapore's ageing population from 2014 to 2024.

(i) Using Fig. 3.1, describe the trends of Singapore's ageing population.

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(ii) Explain how Singapore's ageing trends from 2014 to 2024 will impact Singapore economically.

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(b) Study Fig. 3.2 (Insert), which shows a poster for a Tree Planting Day event in Singapore in 2025.

(i) Using Fig. 3.2, explain how Singapore involves its local community to achieve sustainable development.

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(ii) Explain how Singapore's high environmental standards benefit its economy.

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[2]

- (c) 'Building resilience is the most important strategy to achieve sustainable development in Singapore.'**

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

This image shows a full page of white paper with horizontal dashed lines, typical of primary-ruled notebook paper. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

Additional page

If you use the following page to complete the answer to any question, the question number must be clearly shown.

[illegible]

[illegible]

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Anglo-Chinese School (Independent)



PRELIMINARY EXAMINATION 2026 YEAR FOUR (O-LEVELS)

Candidate Name	Index Number
GEOGRAPHY Paper 2 2279/02 INSERT Monday 17 August 2026 1 hour 45 minutes Candidates answer on the Question Paper. Additional Materials: Insert	
The Insert contains additional resources referred to in the questions.	
This insert consists of 7 printed pages and 1 blank page.	

[Turn Over

Figure 1.1 for Question 1

Bishan-Ang Mo Kio Park



Figure 1.2 for Question 1

Kampung Admiralty



Kampung Admiralty is the first-of-its-kind development in Singapore, which integrates housing for the elderly with a wide range of social, healthcare, communal, commercial, and retail facilities.

The 11-storey “modern kampung” features 100 flats for the elderly, a two-storey medical centre providing specialist outpatient care, an Active Ageing Hub co-located with a childcare centre, dining and retail outlets, as well as a 900-seat hawker centre.

Together, they offer a wide range of facilities and amenities for both young and old in the community. Beyond the facilities, Kampung Admiralty has also been designed with a variety of community spaces to encourage community involvement and ownership.

Adapted from hdb.gov.sg

Fig 2.1 for Question 2

Formation of Sierra Nevada Mountains

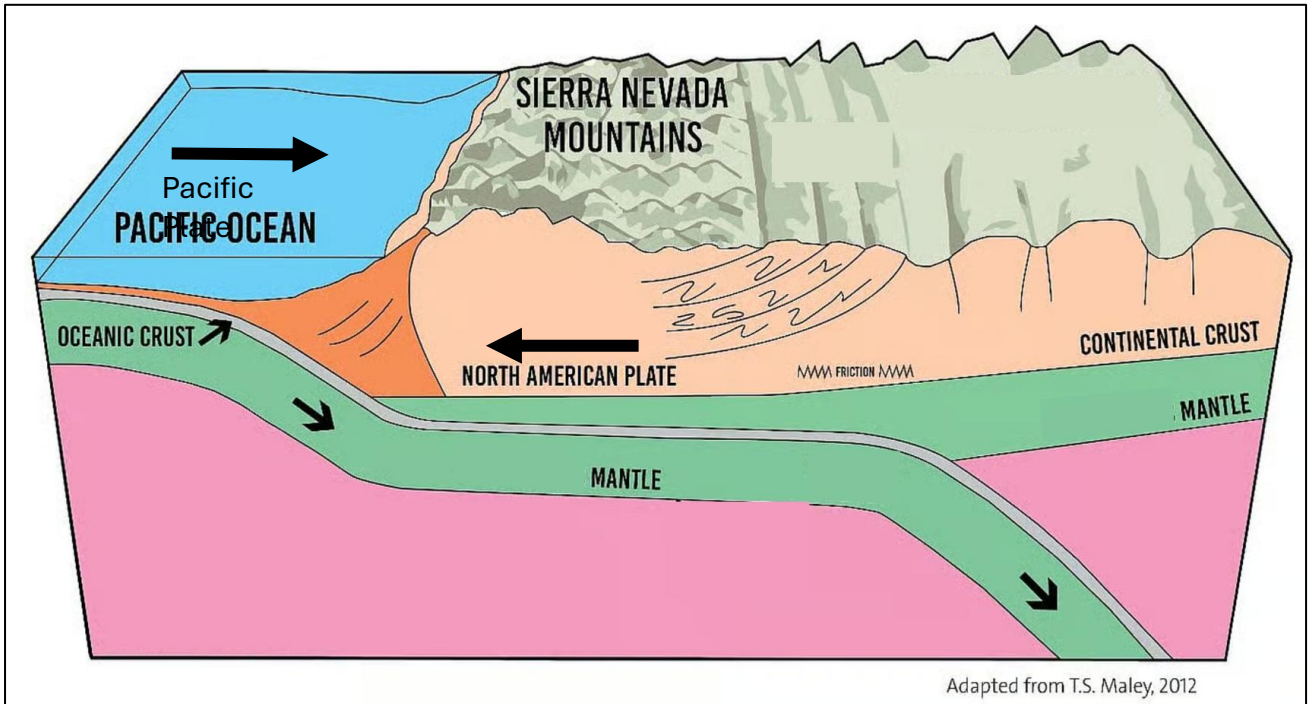


Fig 2.3 for Question 2

Expected death toll in Nankai Trough megaquake, Japan

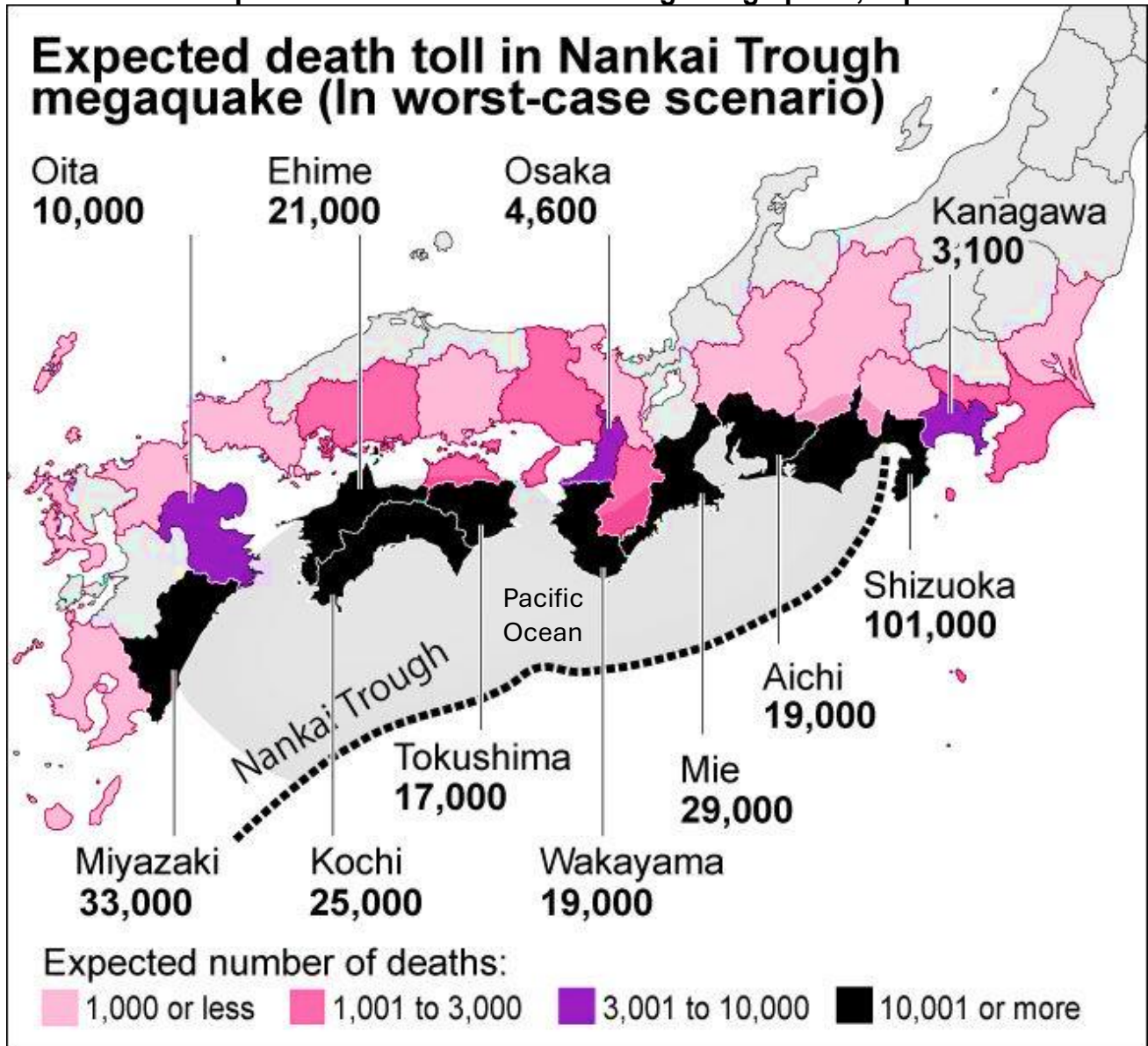
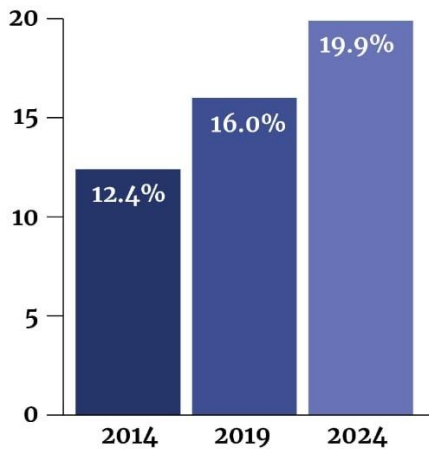


Fig 3.1 for Question 3

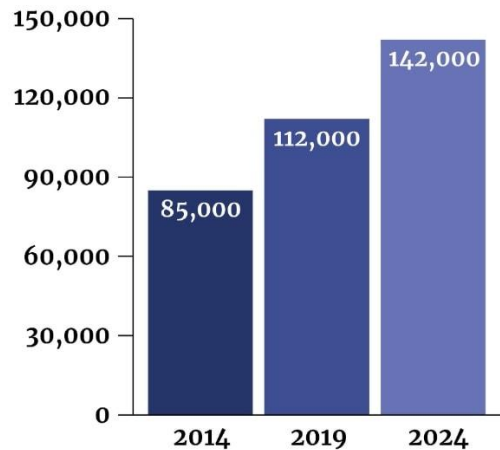
Singapore's ageing population (2014 to 2024)

Singapore's ageing population (2014-2024)

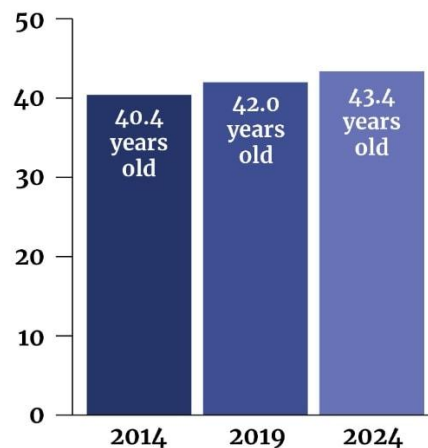
Singaporeans aged 65 and above:



Singaporeans aged 80 and above:



Median age of Singaporeans:



Infographic: Nurjannah Suhaimi

Source: Prime Minister's Office — Population in Brief

Fig 3.2 for Question 3

Tree Planting Day Poster, 2025

Brought to you by
TANJONG PAGAR GRC. QUEENSTOWN & RADIN MAS SMCs

TREE PLANTING DAY 2025

SCAN TO REGISTER



go.gov.sg/tpgrctree
plantingday2025

Get your tickets now and stand to win amazing lucky draw prizes!

SAT. 8 NOV 2025
8.30AM – 11.00AM

PAVILION BESIDE BLK 166 STIRLING ROAD & OUTDOOR SPACES

Joining Us:
Grassroot Advisers to
Tanjong Pagar GRC,
Queenstown & Radin Mas SMCs

Exciting Highlights

- Free Mini Succulent*
*While stocks last
- Community Performances
- Games & Lucky Draw
- Sustainability Workshops

Hands-on Activities!

- Mass Mural Painting
- DIY Fabric Decoupage
- Tote Bag Painting

You are encouraged to bring your own cleaned glass jars and be part of the upcycling fun!

For enquiries, please contact Henderson-Dawson Constituency Office | 500 Bukit Merah View S(159682) | Tel: 6271 0168

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TANJONG PAGAR TOWN COUNCIL

SG GREEN PLAN

In commemoration of



SG 60

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Copyright Acknowledgements

Question 1 Fig. 1.1	https://commons.wikimedia.org/wiki/File:Singapore_Bishan_Park.jpeg
Question 1 Fig. 1.2	https://de51gn.com/hdb-launches-singapores-second-integrated-vertical-living-concept-after-the-massive-success-of-kampung-admiralty/
Question 2 Fig. 2.1	https://centerofthewest.org/2025/12/11/how-the-rocky-mountains-formed-a-journey-through-changing-scientific-ideas/
Question 2 Fig. 2.3	https://www.asahi.com/ajw/articles/photo/54557732
Question 3 Fig. 3.1	https://www.channelnewsasia.com/today/big-read/super-aged-2026-singapore-ready-4656756
Question 3 Fig. 3.2	https://www.instagram.com/p/DQMBkm4jN91/

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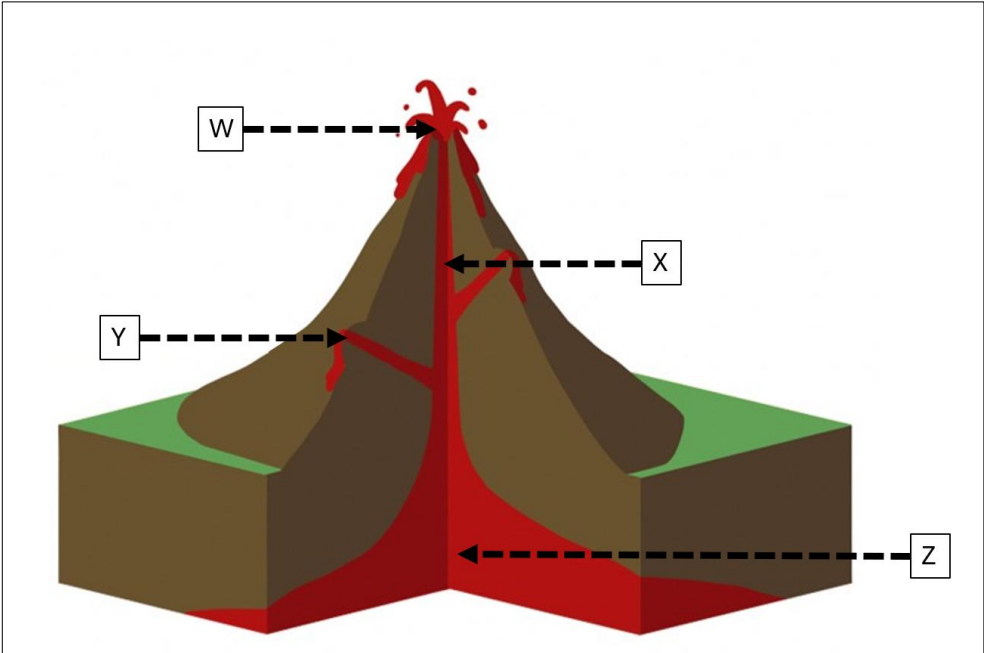
Additional Materials: Insert

Answer Scheme

1	Cluster 1: Geography in Everyday Life		
	(a)	Study Fig. 1.1 (Insert), which shows the Bishan-Ang Mo Kio Park in Singapore.	
	(i)	Using Fig. 1.1, explain how the Bishan-Ang Mo Kio Park enhances the well-being of residents in Singapore.	
		Award 1 mark for each valid explanation of how the Bishan-Ang Mo Kio Park enhances the well-being of residents in Singapore. Max 1 mark if Fig. 1.1 is not used. Possible responses include: - The park has a <u>wide-open area which serves as a gathering point</u> for residents to <u>socialise/bond with each other after work/school</u>. - The park contains a <u>shallow river stream</u>, allowing residents to <u>partake in water activities such as catching fish with nets</u>. - Such activities help them to <u>relieve stress / improves their mental health</u>, enhancing their well-being Accept other plausible explanations.	[2]
	(ii)	With reference to Fig. 1.1, describe how nature will negatively affect people due to the proximity of the park to the residential developments.	
		Award 1 mark for each valid description of how nature will negatively affect people due to the proximity of the park to the residential developments. Possible responses include: <u>Wildlife</u> from the park, such as otters and crows, can <u>attack humans if provoked, causing injury</u>. - Monkeys can also <u>encroach into residential estates, damaging property or stealing items</u>. - Wildlife can also <u>leave their bodily excrements (pee and poop), dirtying the urban environment</u>. Accept other plausible descriptions.	[2]
	(iii)	Suggest ways in which people can develop a sense of place towards the Bishan-Ang Mo Kio Park.	
		Award 1 mark for each valid suggestion of how people can develop a sense of place towards the Bishan-Ang Mo Kio Park. Possible responses include: - People can <u>visit the park multiple times</u>, developing a <u>sense of familiarity/connection</u> to the place. - People can also <u>hold events / memorable activities</u> such as birthday parties or picnics at the park, developing a <u>sense of belonging to the park</u>. Accept other plausible suggestions	[2]

(b)	Study Fig 1.2 (Insert), which shows the layout and photographs of Kampung Admiralty, Singapore's first integrated vertical "kampung" (village).	
	Using Fig. 1.2, explain how the design of Kampung Admiralty achieves:	
	(i) economic sustainability: Award 1 mark for each valid explanation of how the design of Kampung Admiralty achieves economic sustainability. Max 1 mark if Fig. 1.2 is not used. Possible responses include: - It is an integrated development, which has a wide variety of shops and services such as a pharmacy, a hawker centre and a playground. - These reduces the need for residents to travel to another location, thus removing the need to pay for transport costs, achieving economic sustainability. - The retail stores and services also employ local residents, providing them an income and boosting their standard of living and quality of life. Accept other plausible explanations.	[2]
	(ii) social sustainability: Award 1 mark for each valid explanation of how the design of Kampung Admiralty achieves social sustainability. Max 1 mark if Fig. 1.2 is not used. Possible responses include: - The development has garden decks, a community club and a playground. - Such facilities allow people to gather, bond and socialise, deepening their relationships and bond with each other, achieving social sustainability. Accept other plausible explanations.	[2]
	(iii) environmental sustainability: Award 1 mark for each valid explanation of how the design of Kampung Admiralty achieves environmental sustainability. Max 1 mark if Fig. 1.2 is not used. Possible responses include: The presence of the garden decks helps to provide fresh air / shade / cool the area.	[2]

		It also helps to enhance the <u>mental well-being by providing a recreational facility</u> for residents to enjoy, achieving environmental sustainability. Accept other plausible explanations.	
	(c)	Using a named example, describe how community resilience can be achieved.	
		Award 1 mark for each valid description of how the example achieves community resilience. Max 2 marks if no example is provided. Possible responses include: - The <u>SGSecure App</u> is an example. - It allows <u>residents to report possible safety risks and threats to the community.</u> - This reduces the <u>potential impacts such as injuries</u>, boosting community resilience. - Citizens are encouraged to attend civic courses such as <u>First Aid certification.</u> - This allows <u>everyday citizens to be able to respond quickly to a disaster such as a traffic accident.</u> - With the <u>knowledge and skills</u>, they are <u>able to render first aid to reduce possible deaths or severe injury</u>, achieving community resilience. - Schools and work offices often conduct <u>emergency drills.</u> - These <u>drills build students' and workers' awareness of the evacuation routes and/or actions to take in the event of an emergency</u>, such as fire. <u>Knowing what to do / Evacuating quickly</u> can <u>significantly reduce the amount of injuries/deaths</u> during a hazard/disaster. Accept other plausible examples/descriptions.	[3]
			[Total: 15]

2	Cluster 4: Tectonics		
(a)	Study Fig. 2.1 (Insert), which shows the formation of the Sierra Nevada mountains.		
	Using Fig. 2.1, explain the formation of the Sierra Nevada mountains.		
	Award 1 mark for each valid explanation of the formation of the Sierra Nevada mountains. Max 2 marks if Fig. 2.1 is not used. Possible responses include: • When the Pacific plate and the North American plate collide/converge, • the denser Pacific plate subducts under the North American plate. • This causes the continental North American plate to bend, buckle and fold upwards. • Over time, the Sierra Nevada mountains are formed.		[3]
(b)	(i) Study Fig 2.2, which shows a volcano.		
	Identify features W, X, Y and Z.		
	Features of a Volcano  Fig. 2.2		
	W: Crater / Vent X: Pipe / Conduit Y: Secondary Cone [the term 'secondary' must be present] / Side Vent Z: Magma Chamber		[2]

		(ii)	Describe the impacts of volcanic eruptions on natural systems.	
			Award 1 mark for each valid description of the impacts of volcanic eruptions on natural systems. Possible responses include: • Volcanic eruptions can cause pyroclastic flows to <u>destroy huge landmasses, including forests, rivers and natural habitats</u> • This can cause the <u>deaths of flora and fauna</u>, and <u>may lead to the extinction of certain species</u>. • Eruptions can also <u>force animals to migrate away</u> from the area as their habitats would be destroyed. • Ashfall can also <u>kill crops and destroy farmlands</u>. <u>Accept other plausible responses.</u>	[2]
	(c)		Study Fig. 2.3 (Insert), which shows the expected death toll should the Nankai Trough megaquake occur in Japan (worst-case scenario). A megaquake is an earthquake with a magnitude of more than 8.0M _w .	
		(i)	Using Fig. 2.3, describe the distribution of the expected death toll in Japan.	
			Award 1 mark for each valid description of the distribution of the expected death toll in Japan Max 2 marks if Fig. 2.3 is not used. Possible responses include: • Overall, <u>coastal areas have a significantly higher expected death toll than inland areas</u>. • The <u>highest expected death toll is in Miyazaki at 33,000 deaths</u>. • Areas such as <u>Osaka, 4,600, and Oita, 10,000 are mostly located inland and have a fewer expected death toll</u>. • An anomaly can be seen in <u>Kanagawa</u> that <u>despite being near the coast, it has fewer expected death toll at 3,100</u>. <u>Accept other plausible descriptions.</u>	[3]
		(ii)	Suggest reasons for the differences in the expected death toll in areas with 10,001 or more deaths.	
			Award 1 mark for each valid reason for the differences in the expected death toll in areas with 10,001 or more deaths. Award one additional mark for a valid elaboration of that point. Max 2 marks if only one reason is provided. Possible responses include:	[3]

			• The Nankai Trough is located in the Pacific ocean. Thus, a tsunami is likely to be <u>triggered by the earthquake</u>, causing <u>coastal areas to suffer more deaths</u>. • The <u>large tsunami waves may not be able to reach the inland areas</u> or do not cause as much damage, thus inland areas suffer less damage. • The <u>distance from the epicentre is also further away for inland areas, causing less significant ground shaking</u> and thus less damage. • Inland areas may also have <u>a lower population density, which would contribute to a lower expected death toll</u>. Accept other plausible reasons.	
		(iii)	With reference to Fig. 2.3, explain why advanced earthquake warning and monitoring systems may not completely prevent casualties during a megaquake.	
			Award 1 mark for each valid explanation of why advanced earthquake warning and monitoring systems may not completely prevent casualties during a megaquake. Possible responses include: • Even with advanced warning systems, <u>people are likely only given minutes to evacuate</u>. • This <u>may not be sufficient time to evacuate during a megaquake as falling debris or collapsed buildings can still cause casualties</u>. • A <u>high-speed tsunami can also cause casualties if people are unable to evacuate to higher ground in time</u>. Accept other plausible reasons.	[2]
			[Total: 15]	

3	Cluster 5: Singapore		
	(a)	Study Fig. 3.1 (Insert), which provides information about Singapore's ageing population from 2014 to 2024.	
	(i)	Using Fig. 3.1, describe the trends of Singapore's ageing population.	
		Award 1 mark for each valid description of the trends of Singapore's ageing population. Max 2 marks if Fig. 3.1 is not used. Possible responses include: - Overall, the <u>number of Singaporean aged 65 and above, aged 80 and above and median age have all increased from 2014 to 2024.</u> - The <u>median age</u> of Singaporeans <u>have risen 7.4% from 40.4 years old in 2014 to 43.4 years old in 2024.</u> - However, the <u>number of Singaporeans aged 80 and above</u> have <u>increased significantly from 85,000 to 142,000, a 67% increase.</u> Accept other plausible descriptions.	[3]
	(ii)	Explain how the trends of Singapore's ageing population from 2014 to 2024 will impact Singapore economically.	
		Award 1 mark for each valid explanation how the trends of Singapore's ageing population from 2014 to 2024 will impact Singapore economically. Award 1 additional mark for a valid elaboration of the point. Possible responses include: - With an ageing population, it <u>could take longer to recover from such economic slowdown.</u> - This is because <u>resources that have been previously allocated to care for the aged cannot be reallocated to aid economic recovery in the short run.</u> - It may also lead to a <u>decrease in the old-age support ratio</u>, causing a <u>higher amount of taxes on the working force to support the retired elderly.</u> - This may cause an <u>increased reliance on foreign labour</u>, which makes <u>Singapore vulnerable to global shifts as foreign labour are likely to return to their countries during an economic downturn.</u> Accept other plausible reasons.	[3]

	(b)	Study Fig. 3.2 (Insert), which shows a poster on a Tree Planting Day event in Singapore in 2025.		
	(i)	Using Fig. 3.2, explain how Singapore involves its local community to achieve sustainable development.		
		Award 1 mark for each valid explanation of how Singapore involves its local community to achieve sustainable development. Award 1 additional mark for a valid elaboration of the point. Possible responses include: - The event <u>encourages active participation</u> from residents in local constituencies (Tanjong Pagar GRC, Queenstown, and Radin Mas SMCs) to physically <u>take part in tree-planting efforts, which directly helps expand urban green spaces and sequester carbon.</u> - The event has several activities such as <u>sustainability workshops and DIY Fabric Decoupage (upcycling)</u> to <u>educate/increase awareness of sustainability acts.</u> - By incorporating inclusive, family-friendly activities like "Community Performances", "Mass Mural Painting", and "Tote Bag Painting", the event <u>builds a strong sense of community belonging</u> and shared responsibility, making social sustainability an integral part of environmental action. Accept other plausible explanations		
	(ii)	Explain how Singapore's high environmental standards benefit its economy.		
		Award 1 mark for each valid explanation of how Singapore high environmental standards benefit its economy. Possible responses include: <u>Strict regulations on air and water quality</u> makes the city a <u>highly liveable and attractive country.</u> - This <u>attracts regional/global investments from MNCs</u> (multinational corporations), which bring in <u>revenue and provide employment to the citizens.</u> - Efforts in environmental protection also <u>enhances the city's appeal as a tourist destination</u>, bringing in <u>substantial tourist receipts which boost its economy.</u> - A <u>clean environment</u> also reduces the <u>need to spend resources on healthcare for pollution- or environmental-related illnesses</u> such as respiratory or waterborne diseases, allowing the country to develop its infrastructure further. Accept other plausible explanations.		

(b)	'Building resilience is the most important strategy to achieve sustainable development in Singapore.' How far do you agree with this statement? Explain your answer with examples.																
	Relevant Content – Singapore's strategies to achieve sustainable development • Building Resilience • Integrated Master Planning • Dynamic Urban Governance <table border="1"> <thead> <tr> <th>Level</th><th>Marks</th><th>Descriptors (marking rubrics)</th></tr> </thead> <tbody> <tr> <td>3</td><td>7 – 9</td><td> Develop arguments that support both sides, i.e. building resilience as a strategy against the other two, of the discussion clearly, using a range of points with good elaboration. Examples of the importance [linked to success] of the strategies were used to demonstrate a comprehensive understanding of the issue. Examples must also include an understanding of the importance of the strategy, i.e. why it should be prioritised over others. Evaluation is derived from well-reasoned consideration of the arguments on the importance of building resilience as a strategy against others. </td></tr> <tr> <td>2</td><td>4 – 6</td><td> Develops arguments that support one side of the discussion well, using one or two points with some elaboration. Examples used demonstrate a good understanding of the issue. Evaluation is well supported by arguments on the importance of building resilience as a strategy against others. </td></tr> <tr> <td>1</td><td>1 – 3</td><td> Arguments are unclear with limited description or mere listing. No examples provided or examples are generic, Demonstrating a basic understanding of the issue. Evaluation is simple, missing or unclear. </td></tr> <tr> <td>0</td><td>0</td><td>No credit worthy response</td></tr> </tbody> </table>	Level	Marks	Descriptors (marking rubrics)	3	7 – 9	Develop arguments that support both sides, i.e. building resilience as a strategy against the other two, of the discussion clearly, using a range of points with good elaboration. Examples of the importance [linked to success] of the strategies were used to demonstrate a comprehensive understanding of the issue. Examples must also include an understanding of the importance of the strategy, i.e. why it should be prioritised over others. Evaluation is derived from well-reasoned consideration of the arguments on the importance of building resilience as a strategy against others.	2	4 – 6	Develops arguments that support one side of the discussion well, using one or two points with some elaboration. Examples used demonstrate a good understanding of the issue. Evaluation is well supported by arguments on the importance of building resilience as a strategy against others.	1	1 – 3	Arguments are unclear with limited description or mere listing. No examples provided or examples are generic, Demonstrating a basic understanding of the issue. Evaluation is simple, missing or unclear.	0	0	No credit worthy response	[9]
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	[Total: 20]																