

CANDIDATE
NAME

INDEX
NUMBER

CLASS

**SECONDARY 4
PRELIMINARY EXAMINATION**

S4

GEOGRAPHY

2279/02

Paper 2

27 August 2025

Candidates answer on the Question Paper.

1 hour 45 minutes

Additional materials: Insert

READ THESE INSTRUCTIONS FIRST

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

Write in dark blue or black pen.

You may use a 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 question.

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

Question 1:		15
Question 2:		15
Question 3:		20
TOTAL:		50

Answer **all** questions.

1 Cluster 1: Geography in Everyday Life

(a) Study Fig. 1.1 (Insert), which shows land use in Singapore.

With reference to Fig. 1.1 (Insert), suggest reasons for the spatial pattern of industrial areas in Singapore.

[3]

- (b) Study Fig. 1.2, which shows an event poster from the Punggol West Residents' Committee (RC) Centre.



Fig. 1.2

With reference to Fig. 1.2, describe how community activities can contribute to the effectiveness of disaster risk management plans.

(c) Explain the disadvantages that people and nature may bring to each other.

[4]

(d) Study Fig. 1.3 (Insert), which shows the environment of Bishan–Ang Mo Kio Park.

With reference to Fig. 1.3 (Insert), explain the benefits residents can gain from the park's regulating ecosystem services.

[4]

[Total: 15]

2 Cluster 4: Tectonics

(a) Study Fig. 2.1, which shows the various parts of an earthquake.

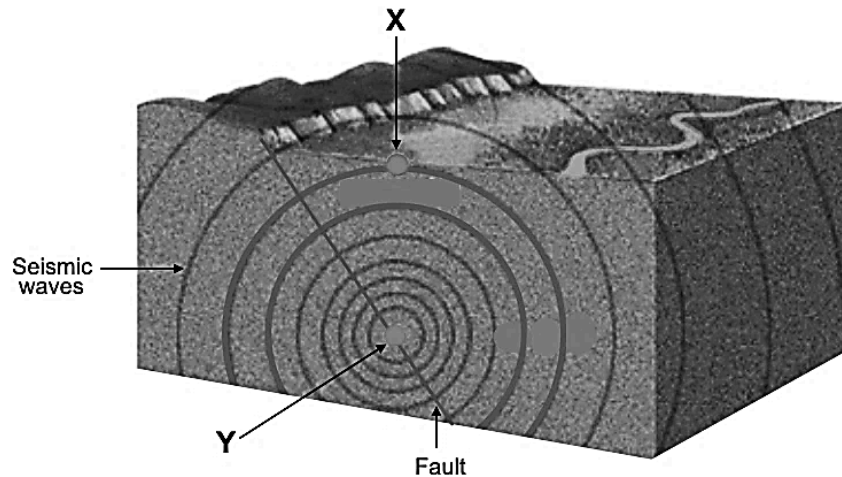


Fig. 2.1

(i) Identify the parts of an earthquake marked X and Y shown in Fig. 2.1.

X: _____ [1]

Y: _____ [1]

(ii) With reference to Fig. 2.1, describe the processes that result in earthquakes.

[4]

- (b) Study Figs. 2.2 and 2.3, which show the disaster risks caused by earthquakes in Myanmar.

Earthquake struck at midday on Friday, 28 March 2025, with the epicentre near Mandalay

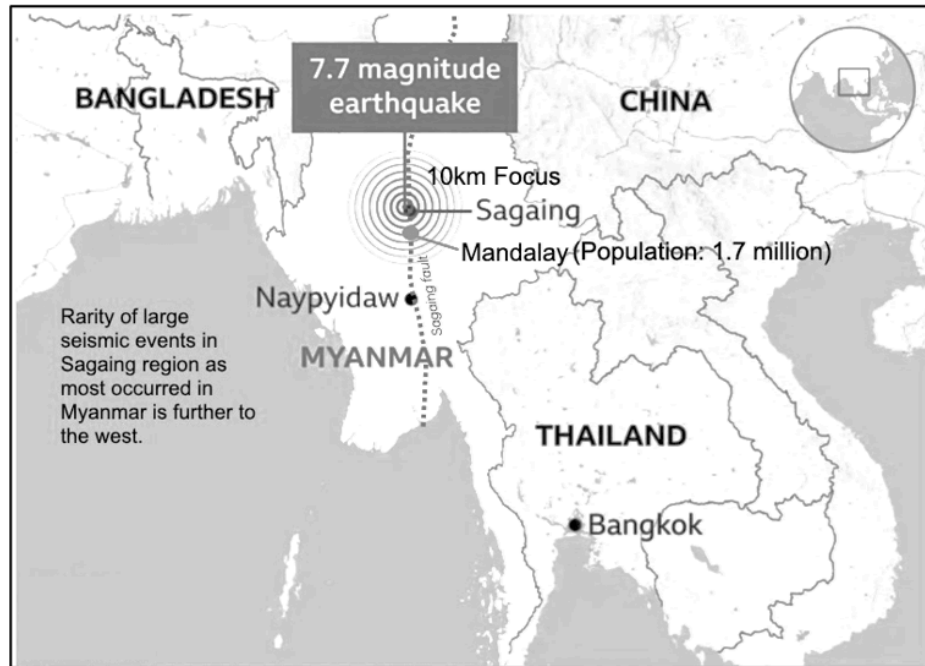


Fig. 2.2

The magnitude 7.7 earthquake destroyed thousands of homes



Fig. 2.3

‘Disaster risks caused by earthquakes are most influenced by vulnerable conditions.’

With reference to Figs. 2.2 and 2.3, to what extent do you agree with this statement?
Explain your answer.

[illegible]

3 Cluster 5: Singapore

- (a) Study Fig. 3.1 (Insert), which shows an aerial view of solar panels on a green rooftop at Rifle Range Nature Park in Singapore.

Sketch the aerial view of Rifle Range Nature Park shown in Fig. 3.1 (Insert). Annotate your sketch to show two features that contribute to Singapore's efforts in sustainable development.



(b) Study Fig. 3.2 (Insert), which shows the numbers of live births and deaths in Singapore from 2019 to 2023.

(i) Using Fig. 3.2 (Insert), compare the numbers of live births and deaths in Singapore from 2019 to 2023.

[3]

(ii) Explain the social issues Singapore face due to changing demographics, as shown in Fig. 3.2.

[4]

- (c) Study Figs. 3.3 and 3.4 (Insert), which show the Urban Heat Island (UHI) Index and a regional map of Singapore, respectively.

With reference to Fig. 3.3 and Fig. 3.4 (Insert), explain the spatial distribution of the Urban Heat Island (UHI) Index in Singapore.

[Total: 20]

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

This image shows a blank sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

Question 1 Fig. 1.1
Question 1 Fig. 1.2
Question 1 Fig. 1.3
Question 2 Fig. 2.1
Question 2 Fig. 2.2
Question 2 Fig. 2.3
Question 3 Fig. 3.1
Question 3 Fig. 3.2

<https://www.mnd.gov.sg/docs/default-source/mnd-documents/publications-documents/land-use-plan.pdf>
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<https://study.com/learn/lesson/earthquake-parts-description.html>
<https://www.reinsurancene.ws/deadly-earthquake-strikes-myanmar-triggering-widespread-devastation/>
https://www.scmp.com/news/asia/southeast-asia/article/3304394/why-did-earthquake-myanmar-thailand-cause-so-much-damage-what-science-says?module=perpetual_scroll_0&pgtype=article
<https://www.aljazeera.com/gallery/2025/3/30/myanmar-earthquake-kills-over-1600-and-leaves-countless-buried>
<https://www.nparks.gov.sg/portals/annualreport/sustainability-report.html>
<https://gutzy.asia/2024/07/15/singapores-birth-rates-decline-by-5-8-as-total-fertility-rate-drops-below-1/>

Question 3 Fig. 3.3

https://www.researchgate.net/figure/Map-of-the-Urban-Heat-IslandUHI-situation-in-Singapore-presented-to-the-respondents_fig2_342493410

Question 3 Fig. 3.4

<https://www.straitstimes.com/singapore/tremors-felt-in-singapore-malaysia-after-73-magnitude-quake-near-indonesia-s-sumatra>