

Name	Form Class	Index Number
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**ANG MO KIO SECONDARY SCHOOL
END-OF-YEAR EXAMINATION 2023
SECONDARY 3 EXPRESS**

GEOGRAPHY

**2279
4 Oct 2023
1 hour 45 minutes**

Candidates answer on the Question Paper.

Additional Material(s): Insert

READ THESE INSTRUCTIONS FIRST:

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.

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 Insert contains Fig. 1, Fig. 2 and Fig. 3 for Question 1, Fig. 4A, 4B and Photograph A for Question 2.

Answer **all** questions.

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

This document consists of 12 printed pages.

[Turn Over

1. Cluster 1: Geography in Everyday Life

- (a) Fig. 1 (Insert) shows water harvesting being carried out at a HDB block.

Using Fig. 1, suggest how water harvesting is done in the HDB block and explain its importance to environmental sustainability.

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- (b) Describe the ecosystem services that can be provided in an urban neighbourhood.

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(c Fig. 2 (Insert) shows the statistics of drink driving in Singapore.
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Describe the changes in the number of accidents from 2018 to 2022.

(i)

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(ii) With reference to Fig. 2 (Insert) and studies you have made, describe the damaging impacts of traffic and air pollution hazards.

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- (d) With example(s), explain how community resilience is developed in an urban neighbourhood.

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- (e) Fig. 3 (Insert) shows a poster put up by NEA on recycling.
With reference to Fig. 3, explain how this is part of environmental stewardship that is developed in an urban neighbourhood.

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2. Cluster 4: Tectonics

- (a) Describe how earthquakes are measured based on the Moment Magnitude Scale.

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- (b) Explain how disaster risks caused by earthquakes are influenced by the nature of the hazard.

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- (c) Fig. 4A & 4B (Insert) show some information on the Taal volcano.
 (i) Using Fig. 4A and 4B, explain how Taal volcano may be formed.

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- (ii) Study Photograph A (Insert), which shows the effects of volcanic eruption of Taal Volcano on the nearby town.

With reference to Photograph A, explain how the volcanic eruption in Taal can be hazardous.

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- (d) 'Disaster management strategies for earthquakes and/or volcanic eruptions have been largely effective.'

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

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END OF PAPER

Additional Page

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Additional Page

If you use the following lined pages to complete the answer(s) to any question(s), the question number(s) must be clearly shown.

[illegible]

Copyright Acknowledgements

- Fig. 1 <https://www.straitstimes.com/singapore/housing/over-80-existing-hdb-blocks-in-jurong-yishun-to-have-rainwater-harvesting-systems-from-2027>
- Fig. 2 <https://www.straitstimes.com/singapore/road-accidents-linked-to-drink-driving-up-again-with-return-of-nightlife-activities>
- Fig. 3 <https://www.nea.gov.sg/media/news/news/index/three-in-five-households-recycled-regularly-in-2021-singaporeans-are-encouraged-to-recycle-more-and-recycle-right>
- Fig. 4A <https://reliefweb.int/report/philippines/ndrrmc-update-situational-report-no-19-re-taal-volcano-eruption-18-january-2020>
- <https://www.scmp.com/yp/discover/lifestyle/features/article/3070822/taal-volcano-where-it-located-how-was-it-formed-and>
- Fig. 4B <https://www.usgs.gov/publications/september-28-30-1965-eruption-taal-volcano-philippines>
- Photograph A: <https://edition.cnn.com/2020/01/17/asia/taal-volcano-philippines-fatal-attraction-intl-hnk/index.html>

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