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Class Index Number

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METHODIST GIRLS' SCHOOL

Founded in 1887



PRELIMINARY EXAMINATION 2026 Secondary 4

GEOGRAPHY Paper 2

Friday
28 August 2026

2279/02
1 hour 45 minutes

Candidates answer on the Question Paper.

Additional Materials: Insert

READ THESE INSTRUCTIONS FIRST

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

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.

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

Answer **all** questions.

1 Cluster 1: Geography in Everyday Life

- (a) Spatial patterns refer to non-random arrangements that are recognisable as shapes.

Study Figs. 1.1 and 1.2 (Insert), which show circular features such as the Bukit Panjang Ring Road and Bukit Panjang LRT.

Using Figs. 1.1 and 1.2, suggest how circular features such as the Bukit Panjang Ring Road and Bukit Panjang LRT benefit the residents of Bukit Panjang.

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- (b) Study Figs. 1.3 and 1.4 (Insert), which show the shop mix found in two local neighbourhoods, Yuhua Place and Toa Payoh Palm Spring.

- (i) Using Figs. 1.3 and 1.4, compare the shop mix in Yuhua Place and Toa Payoh Palm Spring.

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- (ii) Suggest how the shop mix in Yuhua Place and Toa Payoh Palm Spring can affect economic sustainability in urban neighbourhoods.

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- (c) Study Fig. 1.5 (Insert), which shows how waste is managed in various countries in the world.

Using Fig. 1.5, compare how waste is managed in various countries in the world.

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- (d) Study Fig. 1.6 (Insert), which shows a photograph of an active ageing centre in Singapore.

With reference to Fig. 1.6, suggest how active ageing centres can build sustainable urban neighbourhoods.

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2 Cluster 4: Tectonics

(a) Study Fig. 2.1 (Insert), which shows the distribution of earthquakes and active volcanoes around the world.

(i) With reference to Fig. 2.1, describe the distribution of earthquakes and active volcanoes around the world.

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(ii) Explain two factors that influence the risk of volcanic eruptions.

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- (b)** Study Fig. 2.2, which shows reflections on disaster response efforts to the 2021 Haiti earthquake.

Fig. 2.2

Reflections on the response to the 2021 Haiti Earthquake by a medical aid worker

We spent two weeks in 17 different hospitals, clinics, and field hospitals caring for the injured. The capacity of each location serving trauma patients varied – some sites had multiple teams on the premises and other sites had one provider only... Most of the hospitals had a mixture of local and international aid organisations like Red Cross.

There was – by all appearances and experience – little coordination... For instance, a hospital had little idea what surgical facilities other hospitals in the area could provide or how to transfer patients who needed specialist treatment. Further, with no way to communicate with local authorities, it was hard to know ‘who was in charge’. Each hospital registered patients in their private database, making it difficult to track patients across the country.

Using Fig. 2.2, evaluate the effectiveness of the disaster response to the 2021 Haiti earthquake.

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

3 Cluster 5: Singapore[6]

(a) Study Fig. 3.1 (Insert), which shows the age profile of Singaporean citizens in 2015 and 2025.

(i) Using Fig. 3.1, describe the changes in age profile of Singaporean citizens between 2015 and 2025.

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(ii) Explain the challenges Singapore faces due to changing demographics.

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- (b)** Study Fig. 3.2 (Insert), an illustrative map of the Greater Southern Waterfront that aims to redevelop Singapore's southern coastline.

With reference to Fig. 3.2, explain how Singapore thrives as a small island city-state.

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- (c) 'Integrated master planning is the best approach to achieving sustainable development in Singapore.'**

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

[illegible]

Additional page

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

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Copyright Acknowledgements:

Question 1	Fig. 1.1	© https://www.streetdirectory.com
Question 1	Fig. 1.2	© https://www.wikipedia.org
Question 1	Fig. 1.3	© https://www.straitstimes.com/multimedia/graphics/2026/03/beauty-and-mass-age-shops/index.html
Question 1	Fig. 1.4	© https://www.straitstimes.com/multimedia/graphics/2026/03/beauty-and-mass-age-shops/index.html
Question 1	Fig. 1.5	© https://ourworldindata.org/waste-management
Question 1	Fig. 1.6	© https://www.preciousaac.com/yishun-greenwalk
Question 2	Fig. 2.1	© https://www.internetgeography.net/cambridge-igcse-geography/cambridge-igcse-the-natural-environment/what-is-the-distribution-of-earthquakes-and-volcanoes/
Question 2	Fig. 2.2	© https://reliefweb.int/report/world/health-response-earthquake-haiti-january-2010
Question 3	Fig. 3.1	© https://www.population.gov.sg/our-population/population-trends/longevity/
Question 3	Fig. 3.2	© https://www.uradraftmasterplan.gov.sg/regional-plans/central-region/vibrant-city-living-for-all/