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Class Index Number

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METHODIST GIRLS' SCHOOL

Founded in 1887



PRELIMINARY EXAMINATION 2026 Secondary 4

GEOGRAPHY Paper 1

Friday
21 August 2026

2279/01
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.

A group of students carried out fieldwork at Mount Bromo National Park, Indonesia. Mount Bromo is an active volcano that attracts many tourists each year. The students were concerned that increasing tourist numbers may damage the fragile volcanic environment.

Study Fig. 1.1 (Insert), which shows the tourist area around Mount Bromo.

- [4]

- (ii) With reference to Fig. 1.1, state **three** questions and response options which the students could use for their closed-ended survey to test the hypothesis.

[3]

- (iii) Suggest how the students could improve the reliability of the fieldwork.

[4]

- (b) The students also assessed the environmental quality at each viewpoint using environmental characteristics shown in Table 1.1.

Table 1.1
Environmental quality characteristics

Characteristic
Amount of litter
Vegetation cover
Evidence of soil erosion
Evidence of trampling
Overall environmental quality

The students then counted the number of tourists who stopped at each viewpoint over a 20-minute period as shown in Table 1.2.

Table 1.2
Environmental quality score and number of tourists at each viewpoint

Viewpoint	Environmental Quality Score	Number of tourists
A	-5	168
B	-2	136
C	4	118
D	8	28
E	1	105
F	7	46

**A higher score indicates better environmental quality.*

- (i) Study Fig. 1.2, which shows the relationship between the environmental quality score and the number of tourists at the six viewpoints.

Using Table 1.2 and Fig. 1.2, complete the graph on Fig. 1.2 and draw a best-fit line.

Relationship between the environmental quality and the number of tourists

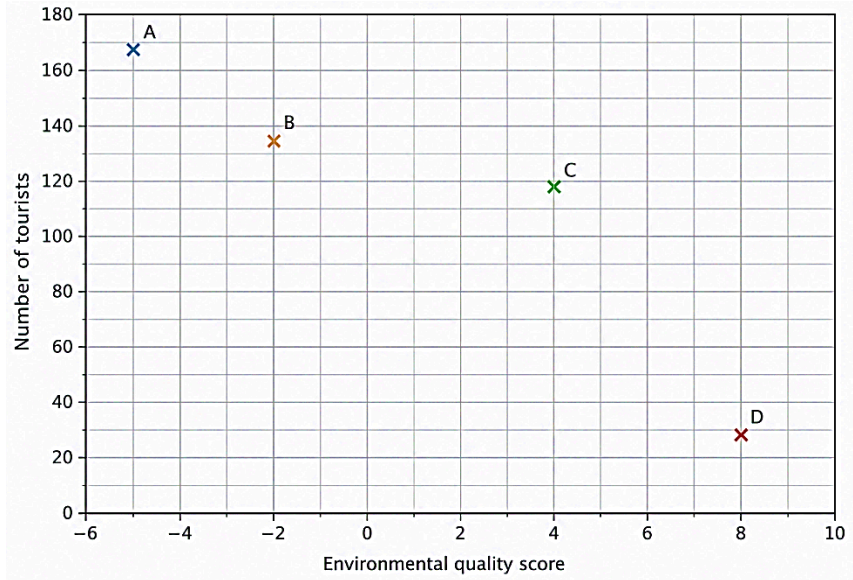


Fig. 1.2

[3]

- (ii) Study Fig. 1.3 (Insert), which shows photographs of Viewpoint A and Viewpoint D.

Using Figs. 1.2 and 1.3, evaluate how well the data supports the students' hypothesis.

This image shows a full page of primary-ruled paper. It features multiple sets of horizontal dashed lines spaced evenly down the page, providing a guide for handwriting practice. The background is white, and there are no margins or other markings present.

.....[6]

[Total: 20]

2 Cluster 2: Tourism

- (a)** Study Fig. 2.1 (Insert), which shows tourism expenditure by different groups of visitors in Kyoto, Japan in 2019.

- (i) Using Fig. 2.1, describe the trend in tourism expenditure in 2019.

[3]

- (ii) With reference to Fig. 2.1, explain how ability and mobility have contributed to the growth of tourism.

[3]

3 Cluster 3: Climate

- (a) Study Figs. 3.1 and 3.2 (Insert), which show the climographs of Alice Springs and Rockhampton in Australia.
- (i) Using Figs. 3.1 and 3.2, compare the temperature patterns in Alice Springs and Rockhampton.

[3]

- (ii)** Study Fig. 3.3 (Insert), which shows a map of Australia.

With reference to Figs. 3.1, 3.2 and 3.3, account for the difference in temperatures in Alice Springs and Rockhampton.

[4]

- (b)** Study Fig 3.4 (Insert), which shows information on the effect of Australian bushfires on local communities.

With reference to Fig. 3.4, explain why some communities are at higher risk of experiencing bushfires than others.

.....[3]

- (c)** Explain how mitigation and adaptation strategies can help build community resilience to climate change.

.....[5]

[Total: 15]

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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	© OpenAI ChatGPT (2026)
Question 1	Fig. 1.3	© https://www.antarafoto.com/view/750554/hill-love-mountain-bromo
Question 1	Fig. 1.3	© adapted: https://tourmountbromo.com
Question 2	Fig. 2.1	© https://kyoto.travel/en/travel-inspiration/a-databased-look-at-kyoto-tourism-before-and-after-covid/
Question 3	Fig. 3.1	© https://en.climate-data.org/oceania/australia/northern-territory/alice-springs-586/#climate-graph
Question 3	Fig. 3.2	© https://en.climate-data.org/oceania/australia/queensland/rockhampton-764123/#climate-graph
Question 3	Fig. 3.3	© https://www.welt-atlas.de/map_of_australia_-_pacific_0-9019
Question 3	Fig. 3.4	© https://www.abc.net.au/news/2013-01-14/aerial-view-of-bushfire-devastation/4460398