

Class:	Register No:	Name:
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CRESCENT GIRLS' SCHOOL
SECONDARY FOUR
PRELIMINARY EXAMINATION 2026

GEOGRAPHY

2279/01

Paper 1

25 August 2026

1 hour 45 minutes

Candidates answer on the Question Paper.

Additional Materials: Insert

READ THESE INSTRUCTIONS FIRST

Write your name, register number and class in the spaces provided at the top of this page.

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.

The total number of marks for this examination is 50.

1 Cluster 1: Geography in Everyday Life

Meteorologists have forecast that Singapore may experience hotter-than-usual weather conditions this year, especially because of El Niño – a weather phenomenon driven by warmer ocean temperatures that intensifies global temperatures and weather extremes.

A group of Geography students wanted to investigate whether the hotter weather would affect tourists' experiences and their use of outdoor spaces at Gardens by the Bay.

The students thus investigated the following hypothesis:

“Hot weather negatively affects tourists' experiences at Gardens by the Bay.”

To aid them in collecting data for their investigation, the students came up with a questionnaire as seen in Fig. 1.1 below.

Questionnaire	
1. How comfortable do you feel outdoors today?	☐ Very uncomfortable ☐ Uncomfortable ☐ Neutral ☐ Comfortable ☐ Very comfortable
2. How enjoyable is your visit today?	☐ Very unenjoyable ☐ Unenjoyable ☐ Neutral ☐ Enjoyable ☐ Very enjoyable
3. Has today's weather affected your experience at Gardens by the Bay?	☐ Yes ☐ No
4. Would you stay longer at Gardens by the Bay if the weather was cooler?	☐ Yes ☐ No

Fig. 1.1

- (a) (i) Evaluate the suitability of the questionnaire shown in Fig. 1.1, in investigating whether hot weather affects tourists' experience.

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 [2]

- (ii) To collect the data, the students stood at the main entrance of Gardens by the Bay from 10.00 am to 12.00 pm. They then freely approached tourists entering the attraction and invited them to complete the questionnaire. A total of 60 tourists participated in the survey.

Identify the sampling method used by the students.

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 [1]

- (iii) Explain two advantages of this sampling method.

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 [2]

- (b) Figs. 1.2, 1.3 and 1.4 [Insert] show a summary of the results collected from the questionnaire administered.

Using Figs. 1.2, 1.3 and 1.4, evaluate how the results support the hypothesis that hot weather negatively affects tourists' experiences at Gardens by the Bay.

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- (c) The students also investigated how tourists used different outdoor spaces between 1.00 pm and 2.00 pm. Fig. 1.5 [Insert] shows the data that they collected, on a map of Gardens by the Bay.

Using Fig. 1.5, describe how the students could have collected the data.

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- (d) The students then measured air temperature at each location during the observation period, with Fig. 1.6 below showing a summary of their findings.

Location	Temperature (°C)	Number of Tourists
Cloud Forest	30	51
Flower Dome	31	44
Golden Gardens	32	25
Supertree Grove	34	18
Silver Gardens	35	12

Fig. 1.6

- (i) Using information from Fig. 1.6, complete the graph in Fig. 1.7 to show the relationship between temperature and the number of tourists at each location. **[2]**

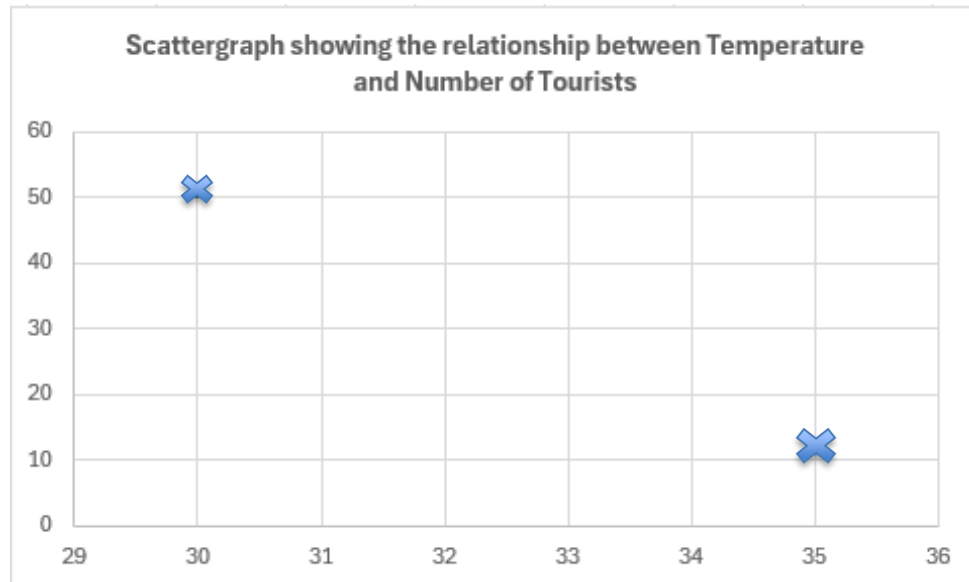


Fig. 1.7

- (ii) Comment on the relationship between temperature and the number of tourists at each location shown in Fig. 1.7.

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- (e) As the concluding phase of their investigation, the students reviewed the various steps that they took for the study.

Explain **two** improvements they could make to their study.

[illegible]

[Total: 20]

This image shows a single sheet of white paper with ten evenly spaced horizontal dotted lines, typical of primary school writing paper. The lines are light gray and extend across the width of the page. There is no handwriting or other markings on the paper.

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(b) Describe how local communities can influence sustainable tourism development.

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- (c)** Study Fig. 2.2 [Insert], which shows an overview of the aims of sustainable tourism.

"The most effective approach to achieving sustainable tourism is eco-tourism."

With reference to Fig. 2.2, to what extent do you consider this statement to be true? Explain your answer.

[illegible]

[Turn over

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(c) Explain how climate change can impact ocean circulations in the world.

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- (d) With the use of a named example, explain one mitigation strategy to climate change.

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[Total: 15]

[illegible]

Additional page

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

This image shows a full page of white paper with horizontal dotted 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.

Copyright Acknowledgements:

Question 1	Fig. 1.5	© https://go.gov.sg/2026s4cgprielmfig1-5
Question 2	Fig. 2.1	© https://go.gov.sg/2026s4cgprielmfig2-1
	Fig. 2.2	© https://go.gov.sg/2026s4cgprielmfig2-2
Question 3	Fig. 3.1	© https://go.gov.sg/2026s4cgprielmfig3-1
	Fig. 3.2	© https://go.gov.sg/2026s4cgprielmfig3-2