



NAN HUA HIGH SCHOOL
Preliminary Examination 2026

CANDIDATE
NAME

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CENTRE
NUMBER

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CLASS

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INDEX
NUMBER

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GEOGRAPHY

2279/01

Paper 1

26 August 2026

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 your answers on the lines provided for each question.

Write in dark blue or black ink. You may use a pencil for any diagrams or graphs.

Do not use staples, paper clips, glue, highlighters, or correction fluid/tape.

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 mark for this paper is **50**.

Answer **all** questions.

1 Cluster 1: Geography in Everyday Life

Cameron Highlands is a popular tourist location in Malaysia known for its cool climate, scenic tea plantations and hiking trails, attracting both local and international tourists all year-round.

A group of students wanted to investigate the profile of tourists that visit this place. They decided to design a close-ended questionnaire to test the hypothesis: 'Younger tourists are more likely to choose longer and more physically demanding trails than older tourists.'

- (a) To collect the data to test their hypothesis, the students decided to choose 3 trails out of 15 trails to collect their data. Fig. 1.1 (Insert) shows the map of Cameron Highlands where the students conducted their investigation. Table 1.1. shows some information on each trail.

Table 1.1

Trail	Distance of Trail	Information on Trail	Estimated Time Taken to Hike
1	3.2 km	This trail is a scenic walk uphill and is relatively easy to hike.	1.5 hours
2	5.4 km	This trail moderately challenging at some part of the trails with steep slope.	2.5 hours
3	8.5 km	This trail is challenging as the route is unmarked and best to hike with a guide.	4.5 hours

- (i) Using Table 1.1, explain why the selection of the three trails are suitable data collection sites.

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- (ii) With reference to Fig. 1.1 (Insert) and Table 1.1, explain how the students could sample visitors to collect the data needed to test their hypothesis.

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- (iii) Suggest three questions with pre-defined response options which the students could use for their closed-ended questionnaire to test their hypothesis.

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- (b) As an extension of their investigation, students wanted to investigate another activity that is popular among tourists in Cameron Highlands and the impact of this activity on the environment. They wanted to focus on the impact of pollution by tourists. They decided to count the amount of litter within 200 meters around each of the four teahouses shown in Fig. 1.1 (Insert). They also counted the number of tourists in each teahouse as they go from Teahouse 1 to 4 on the day of investigation, starting at 9am in Teahouse 1 and ending at 3pm in Teahouse 4.

Table 1.2 shows the data they have collected, and the data was represented in a scatter graph shown in Fig. 1.2.

Table 1.2

Information on number of tourists and amount of litter recorded by students

Teahouses	Number of Tourists	Amount of Litter
1 Habu Teahouse	30	25
2 Cameron Valley Teahouse	90	65
3 Bharat Tea Estate/ Teahouse	50	40
4 Sungai Palas BOH Teahouse	120	95

Scatter Graph of Number of Tourists and Amount of Litter

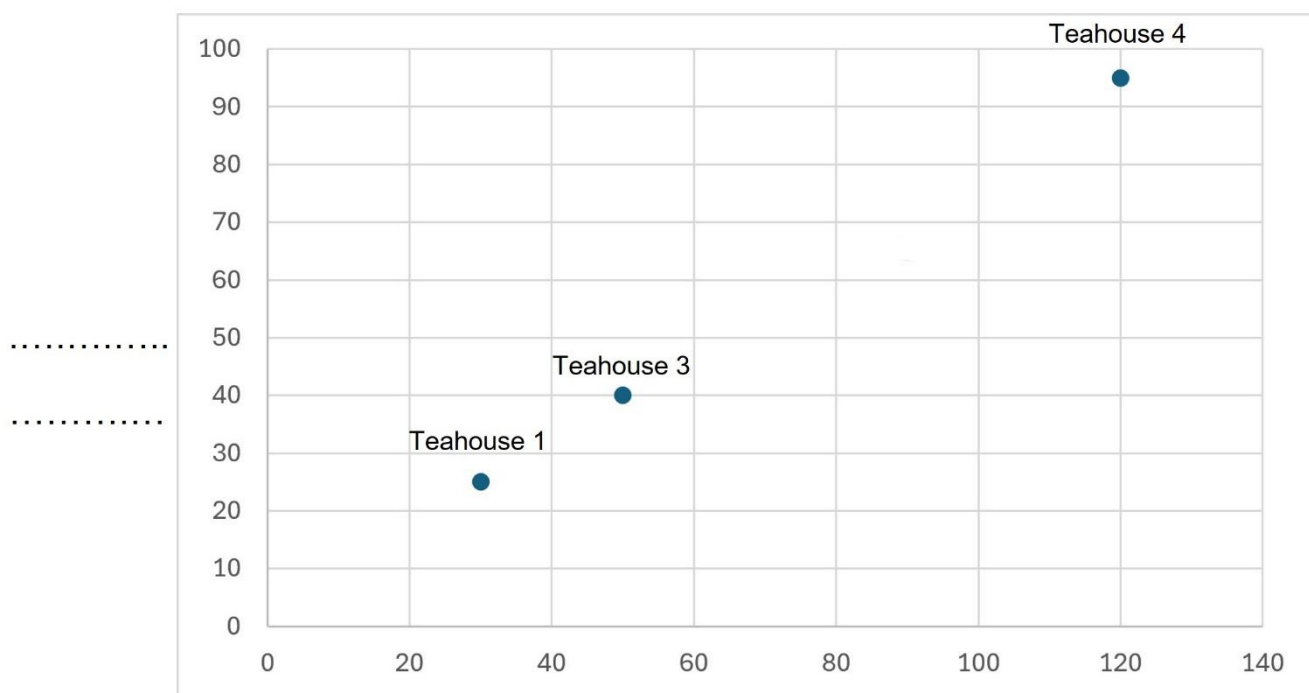


Fig. 1.2

- (i) Complete the graph on Fig. 1.2 by labelling the axes and plotting the data for Teahouse 2. [2]

(ii) Using Table 1.2 and Fig. 1.2, suggest a hypothesis that the students may be testing.

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(iii) Using Table 1.2 and Fig. 1.2, explain how well the data supports the hypothesis.

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(iv) Evaluate the students' data collection method in studying the impact of pollution.

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2 Cluster 2: Tourism

- (a) Study Fig. 2.1 (Insert), which shows a popular tourist location and information on the social impacts of tourism.

With reference to Fig. 2.1 (Insert), explain how tourist activities may bring about negative impacts on the local people.

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- (b) Describe the motivations for health tourism.

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- (c) Study Fig. 2.2 (Insert), which shows the increase in ecotourism market size from 2025 to 2035, and Fig. 2.3 (Insert), which shows the impacts of ecotourism.

‘Ecotourism is the most effective approach to achieving sustainable tourism development.’

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

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3 Cluster 3: Climate

(a) Study Table 3.1, which shows information of two cities.

Table 3.1

Location	Eureka, California	Lincoln, Nebraska
Latitude	40.80°N	40.82°N
Distance from the sea	1 km	1,320 km
Highest Mean Temperature	17°C	32°C
Lowest Mean Temperature	5°C	-10°C

(i) State the annual temperature range for the cities of Eureka and Lincoln.

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(ii) With reference to Table 3.1, account for the difference in temperature range experienced in Eureka and Lincoln.

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(b) Study Fig. 3.1 (Insert), which shows the projection of climate impacts on crop yields in Thailand.

Using Fig. 3.1 (Insert), describe the economic impacts of reduction in crop yields due to climate change.

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(c) Study Fig. 3.2, which shows the formation of a sea breeze.

Annotate Fig. 3.2 to explain how a sea breeze is formed.

[4]

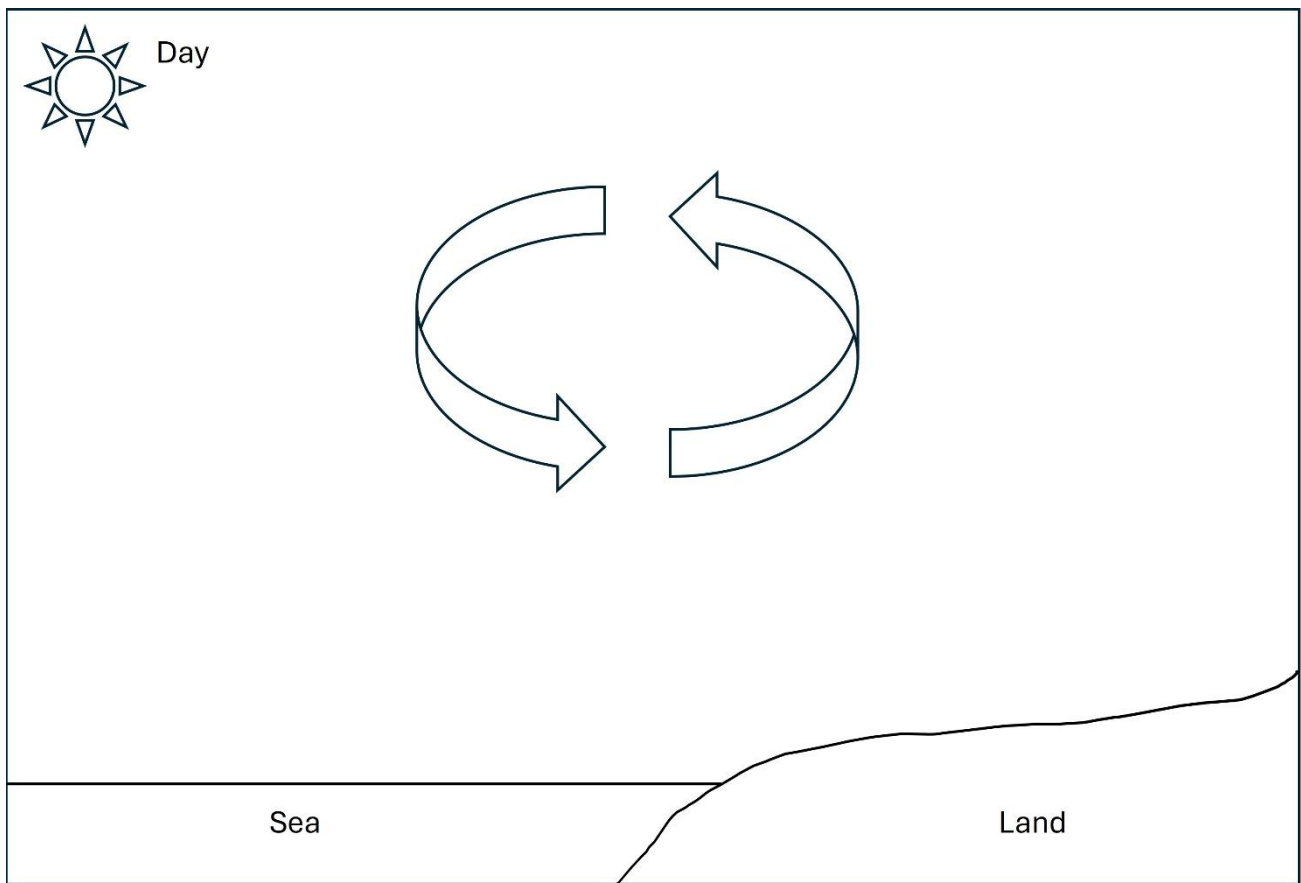


Fig. 3.2

- (d) Study Fig. 3.3 (Insert), which shows the use of low carbon technologies such as Carbon Capture, Utilisation and Storage (CCUS).

With reference to Fig. 3.3 (Insert), evaluate the use of low carbon technologies in reducing greenhouse gases emissions.

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[Total: 15]

Additional page

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Additional page

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

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Copyright Acknowledgements:

Question 1 Fig. 1.1	https://hitchhikershandbook.wordpress.com/2012/06/08/our-first-lift/cameron-highlands-map/
Question 2 Fig. 2.1	https://snowbrains.com/japans-battle-against-overtourism/
Question 2 Fig. 2.2	https://market.us/report/ecotourism-market/
Question 2 Fig. 2.3	https://forevervacation.com/the-vacationer/the-impact-of-ecotourism-on-traditional-villages-in-southeast-asia
Question 3 Fig. 3.1	https://www.undp.org/thailand/stories/how-does-climate-change-impact-agriculture
Question 3 Fig. 3.2	https://www.linkedin.com/pulse/harnessing-power-carbon-capture-utilization-storage-ccus-aliharatian/