



NAN HUA HIGH SCHOOL
Preliminary Examination 2025

CANDIDATE
NAME

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CENTRE
NUMBER

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CLASS

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INDEX
NUMBER

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GEOGRAPHY

Paper 1

2279/01

27 August 2025

1 hour 45 minutes

Candidates answer on the Question Paper.

Additional materials: Insert

READ THESE INSTRUCTIONS FIRST

Write your name, class, and index number 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/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

Marina Bay Sands in Singapore is popular with tourists for its iconic architecture, and world class shopping and dining amenities. A group of students wanted to investigate the research question, 'Which area in Marina Bay Sands is the most popular with visitors?'

Fig. 1.1 (Insert) shows the map of Marina Bay Sands where the students conducted their investigation.

- (a) Describe two factors that the students should consider when deciding on the fieldwork locations in Marina Bay Sands.

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.....[2]

- (b) The students wanted to design a closed ended questionnaire to answer their research question.

With reference to Fig. 1.1 (Insert), explain how the students could collect the data needed to answer their research question.

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(c) To further support their investigation, the students also counted the number of visitors to Marina Bay Sands.

They positioned themselves at several locations: at the four Bayfront Mass Rapid Transit (MRT) entrances that connect to Marina Bay Sands and the three Marina Bay Sands taxi stands on a weekday to conduct the count of visitors. They used a tally counter to count the visitors. Table 1.1 shows a tabulation of their data.

Time / location	No. of visitors at the entrances of Bayfront MRT station	No. of visitors at Marina Bay Sands Shoppes taxi stands
10.00am - 11.00am	250	80
11.00am - 12.00pm	350	150
12.00pm - 1.00pm	300	180
1.00pm - 2.00pm	400	130

Table 1.1

(i) From Table 1, identify the period of day which is most frequented by visitors.

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.....[1]

(ii) Suggest how the students could present the data in Table 1.1.

[3]

(iii) Evaluate the reliability of the data collected by the students in the visitors' count.

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.....[6]

- (d) As an extension of their learning, the students thought of investigating the hypothesis, 'The ArtScience Museum is the most popular in the Marina Bay Sands area.' with locals. They thought of using mental maps to collect data.

Describe how the students could use mental maps to prove this hypothesis.

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[Total: 20]

2 Cluster 2: Tourism

(a) Study Figs. 2.1 and 2.2 which show some tourism statistics of New Zealand from 2013 to 2016.

International Visitor Arrivals for 2013 - 2016							
	2013	2014	2015	2016	2014	2015	2016
					Annual Percentage Change (%)		
Oceania	1,311,872	1,359,120	1,415,588	1,514,080	3.6	4.2	6.9
Asia	528,624	575,200	681,568	814,640	8.8	18.5	19.5
Americas	264,576	285,664	307,024	348,192	8.0	7.5	13.4
Other	88,880	98,048	88, 624	89,472	10.3	-9.6	1.0
Total	2,611,377	2,752,257	2,947,901	3,255,463	5.4	7.1	10.4

Fig. 2.1

Total Tourism Expenditure by tourists				
Year	Total Tourism Expenditure \$ (million)	Annual percentage change (%)	Gross Domestic Product \$ (million)	International tourism as a percentage of total exports (%)
2013	26 947	1.3	62 766	15.8
2014	28 039	4.1	67 002	15.4
2015	30 935	10.3	67 514	17.9
2016	34 699	12.2	70 144	20.7

Fig. 2.2

(i) Using Fig. 2.1, describe the trend of visitor arrivals to New Zealand from 2013 to 2016.

[3]

- (ii) With reference to Figs. 2.1 and 2.2, explain how tourism is both beneficial and risky to New Zealand's economy.

[4]

- (b) Explain how expansion of public transport services and infrastructure has contributed to the growth of tourism.

[3]

- (c) Study Fig. 2.3 (Insert), which shows a beach next to the Aegean Sea in Greece. The beach is popular among the locals and visited by many tourists every year.

With reference to Fig. 2.3, suggest how tourism could damage the local environment.

[5]

[Total: 15]

3 Cluster 3: Climate

- (a) Study Fig. 3.1 (Insert), which shows global average surface temperature, global average sea level and Northern Hemisphere snow cover from 1850 to 2000.

Using Fig. 3.1, compare the relationship between global average surface temperature, global average sea level and northern hemisphere snow cover.

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- (b) Explain why temperature differs between tropical equatorial climate and cool temperate climate.

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(c) 'The largest cause of climate change is deforestation.' How far do you agree with this statement? Explain your answer.

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[9]

Additional page

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Additional page

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BLANK PAGE*Copyright Acknowledgements:*

- Question 1(a) <https://www.marinabaysands.com/museum/visit.html#zoWuq7jsSkoR5LK3.97>
Question 1(b) <https://www.marinabaysands.com/museum/visit.html#zoWuq7jsSkoR5LK3.97>
Question 2(a) <http://www.tdc.co.tt/index.php>
Question 2(c) <https://news.cgtn.com/news/3d3d414e7841444e78457a6333566d54/index.html>
Question 3(a) https://www.researchgate.net/figure/Changes-in-global-average-surface-temperature-sea-level-and-Northern-Hemisphere-snow_fig1_326224054