

Name: _____ ()

Class: _____

PRELIMINARY EXAMINATION
GENERAL CERTIFICATE OF EDUCATION ORDINARY LEVEL

HUMANITIES (GEOGRAPHY)

2260/02

Paper 2

15 August 2024
1 hour 45 minutes

READ THESE INSTRUCTIONS FIRST

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

Write in dark blue or black pen.

You may use a soft pencil for any diagrams or graphs.

Do not use highlighters, glue, correction fluid or correction tape.

Section A

Answer Question 1 **and** Question 2.

Section B

Answer **either** Question 3 **or** Question 4.

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

The total number of marks for this paper is 50.

This document consists of **17** printed pages, and **1** blank page and **1** insert.



圣尼各拉女校
CHIJ ST. NICHOLAS GIRLS' SCHOOL
Girls of Grace • Women of Strength • Leaders with Heart

[Turn over

Section A

Answer **all** questions from this section.

Cluster 1: Geography in Everyday Life

- 1 (a)** Study Fig. 1.1 (insert) which is a poster for Community Resilience Day 2022.

With reference to Fig. 1.1, explain how community resilience can be developed among residents.

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The Supertree Grove consists of 18 'Supertrees' that are large-scale, vertical gardens that integrate solar power generation and rainwater collection into their design. They also act as venting ducts for the nearby conservatories. However, the Supertrees are part of the larger Gardens by the Bay that includes vast amounts of imported, non-native plants, and massive glass, climate-controlled structures, including the world's largest glass greenhouse. Non-native plants require different conditions to survive than native plants, including climate and irrigation control and the use of pesticides and insecticides.

With reference to Fig. 1.2 and 1.3, evaluate the sustainability of Gardens by the Bay.

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- (c) Bidadari Park nestled within the new Bidadari Estate is the size of 10 hectares (ha) in size. As part of the estate's green initiatives, the park will be a connect the residential blocks with trails that weave and connect seamlessly throughout the estate.

A group of students from SNGS wanted to investigate the role that Bidadari Park plays for the residents living in the area to acquire a sense of place in the new neighbourhood.

- (i) One of the questions in their survey was:
'How many times a month do you visit the park and about how long do you stay per visit?'

They plotted the results of the question for the first day in the scatter plot shown in Fig. 1.4 below.

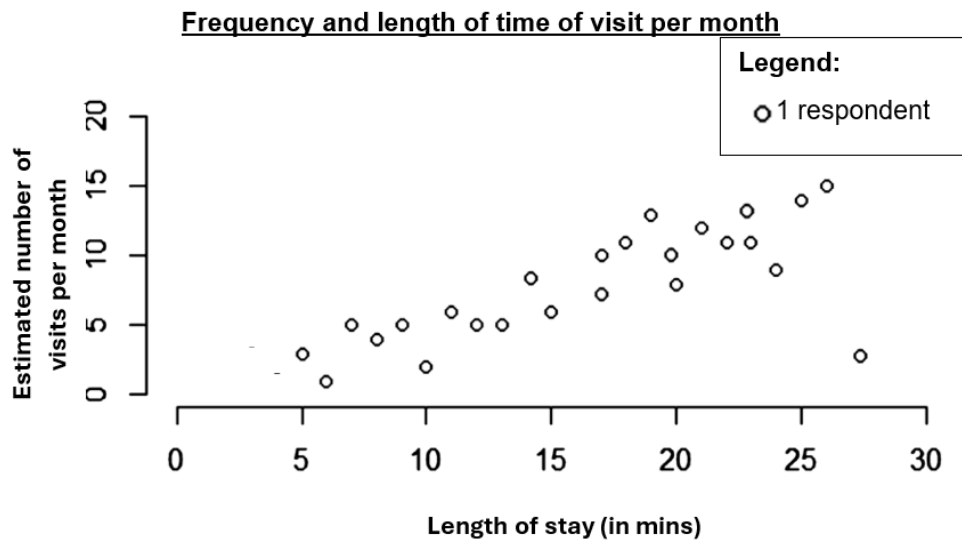


Fig. 1.4

Draw a best fit line on Fig. 1.4 and describe the relationship between frequency of visit and length of stay.

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- (ii) The students also conducted a visitor count of the park at location 'X' along the Heritage walk shown in Fig. 1.5 (insert). They counted the people walking into the park for 10 mins for each hour they were there. The result of the visitor count is shown in Fig. 1.6.

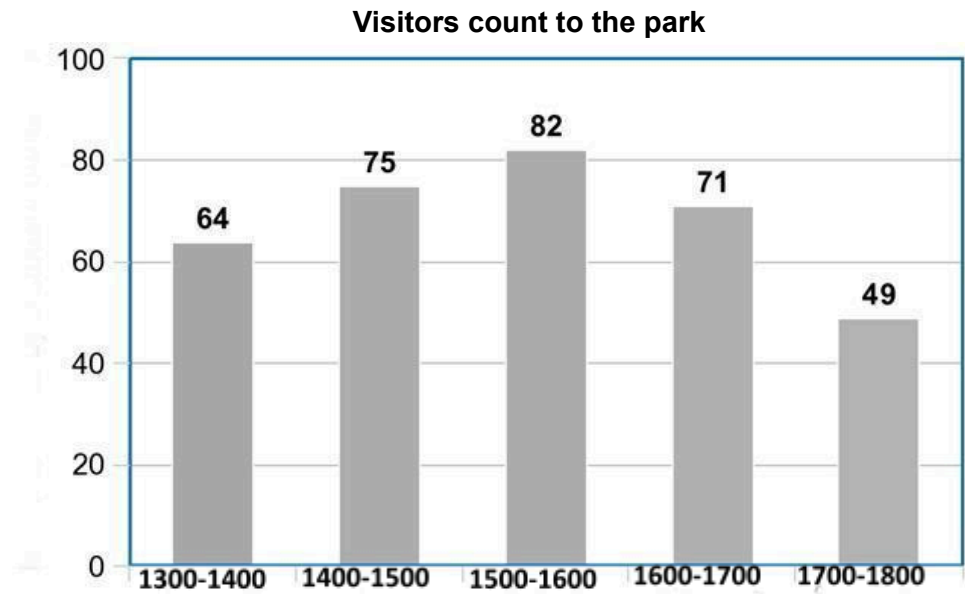


Fig. 1.6

With reference to Figs. 1.5 and 1.6, how valid are the students' findings on the number of visitors to the park.

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[14 marks]

Cluster 2: Tourism

- 2 (a)** Study Fig. 2.1 (insert) which shows a flow-line map of global tourism.

Using Fig. 2.1, describe the flow of tourists to and from USA.

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- (b)** Explain how tourism can positively impact the economy.

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- (c) Explain the role of governments in influencing sustainable development in tourism.

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- (d) Study Figs. 2.2 and 2.3 (insert), which shows the benefits and reasons that limits the effectiveness of ecotourism.

“The best way to manage tourism sustainability is to engage in ecotourism.”

With reference to Figs. 2.2 and 2.3, to what extent do you consider this statement to be true. Explain your answer.

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Section B

Answer **EITHER** Question 3 **or** Question 4 from this section.

Cluster 3: Climate

- 3 (a) Study Fig. 3.1 (insert) which shows the altitude and temperatures at the Northern Alps in Europe.

With reference to Fig. 3.1, explain the effect of altitude on temperature.

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- (b) Explain how climate change has disrupted marine food webs.

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- (c) With the use of examples, describe how changes to consumption patterns may help to mitigate the effects of climate change.

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- (d)** Fig. 3.2 (insert) shows a human activity and Fig. 3.3 (insert) shows a natural hazard.

With reference to Figs. 3.2 and 3.3, discuss the causes of climate change.

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[18 marks]

Cluster 4: Plate Tectonics

- 4 (a)** Fig. 4.1 (Insert) show the locations of volcanoes found around the world.

Using Fig. 4.1, describe the global distribution of volcanoes with reference to plate boundaries.

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(b) Study Fig. 4.2 (insert) which shows, Shishaldin, a volcano on Unimak Island, Alaska, USA.

(i) Identify the type of volcano shown in Fig. 4.2 and describe the visible features of the volcano.

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(ii) Explain the formation of volcanoes such as Shishaldin.

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(c) Explain the process that leads to the formation of fold mountains.

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[18 marks]

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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Additional Page

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Copyright Acknowledgement:

Question 1 Fig. 1.3: <https://urbanasia.blog/2020/12/10/is-singapore-truly-sustainable-greenwashing-in-the-city-in-a-garden/>