'METHODIST GIRLS' SCHOOL

Founded in 1887



END-OF-YEAR EXAMINATION 2023 Secondary 3

GEOGRAPHY

Friday 6 October 2023 **2279**1 hour 45 minutes

INSTRUCTIONS TO CANDIDATES

Candidates answer on the question paper.

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.

Candidates should support their answers with the use of relevant examples. Sketch maps and diagrams should be drawn whenever they serve to illustrate an answer. The Insert contains Figs. 1.1, 1.2, 1.4, Table 1 for Question 1, Figs. 2.1, 2.2 for Question 2, Figs. 3.1 and 3.2 for Question 3.

Answer all questions.

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

A group of students investigated the type of visitors that the Singapore Zoo at the Mandai

1 Geographical Metho

(a)

` ,	Wildlife Nature Reserve attracts. They were keen to investigate the following hypothesis, "There are more tourists visiting Singapore Zoo than locals."
	Study Fig. 1.1 (Insert), which shows a map of the Singapore Zoo.
(i)	The students decided to use questionnaire survey to carry out their investigation.
	With reference to Fig 1.1, explain how the students could sample the visitors to collect data needed for their investigation.
	[5]
(ii)	Study Fig. 1.2 (Insert), which shows the questionnaire survey that the students used to investigate the type of visitors at the Singapore Zoo. They were also keen to investigate the underlying reasons that account for the trend of visitors visiting the Singapore Zoo.
	Suggest two improvements that can be made to the design of the questionnaire shown in Fig. 1.2.

.....[2]

(iii) Study Table 1 (Insert), which shows the results that students collected based on their questionnaire survey.

Use an appropriate data presentation method and present the data in Table 1 on Fig. 1.3 to show how the type of visitors changes across the different months at Singapore Zoo.

[3]

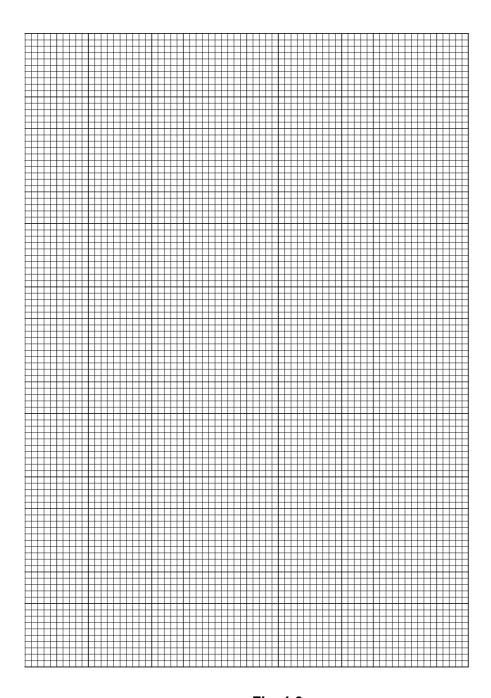


Fig. 1.3

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2 Tourism

(a)	Study Fig. 2.1 (Insert) which shows the international tourist arrivals in millions from 1950 to 2020.
(i)	Describe the international tourist arrival trends from 1950 to 2020 shown in Fig. 2.1.
(ii)	Account for the tourist arrival trends observed in Fig. 2.1.
	[4]
(b)	Suggest how an outbreak of diseases can bring about an economic loss for a country which is highly dependent on tourism.
	[3]

(c)	Study Fig. 2.2 (Insert), which show photographs of the Kayan people living in a tourist village in Thailand, located near the Myanmar and Thailand border. The Kayan people originated from Myanmar and took refuge in Thailand due to conflicts happening within their country.
	With reference to Fig. 2.2, explain how tourism can impact society and culture.
	[5]

[Total: 15]

3		Climate
	(a)	Give reasons to explain why coastal areas experience higher humidity than inland areas during the afternoons.
		[3]
	(b)	Explain how volcanic eruptions can affect temperature.
		[3]
	(c)	Study Fig. 3.1 (Insert) and Fig. 3.2 (Insert), which show global surface temperature from 1850 to 2020 and an infographic on what climate change is.
		'Humans are the main cause of climate change.'
		With reference to Fig. 3.1 and Fig. 3.2, to what extent do you consider this statement to be true? Explain your answer.

[9]

[Total: 15]

Additional Pages

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

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Copyright Acknowledgements

Question 1	Fig. 1.1	© https://www.mandai.com/en/singapore-zoo/plan-your-visit/park-map.html
	Fig. 1.4	© https://weather-and-climate.com/average-monthly-precipitation-Rainfall,Singapore,Singapore
Question 2	Fig. 2.1	© https://www.coolgeography.co.uk/GCSE/AQA/Tourism/Tourism%20growth/Tourism%20Growt h.htm
	Fig. 2.2	© https://landofsize.com/ethical-travel-the-good-and-bad-about-visiting-long-neck-kayan-tribespeople-in-thailand/
		© https://commons.wikimedia.org/wiki/File:Kayan woman and tourists.jpg
		© https://www.frontiermyanmar.net/en/the-safest-way-generations-of-kayan-lahwi-find-security-as-a-tourist-attraction/
		© https://www.thedailymeal.com/ethical-travel-should-you-visit-thailand-s-long-neck-women-villages/
Question 3	Fig. 3.1	© https://en.wikipedia.org/wiki/Attribution_of_recent_climate_change#/media/File:Global_Tempe rature And Forces With Fahrenheit.svg
	Fig. 3.2	© https://www.nps.gov/goga/learn/nature/climate-change-causes.htm