



Catholic Junior College
JC1 Mid-Year Examination
Higher 2

GEOGRAPHY

9173/02

Paper 1
Question Paper

26 June 2023
2 Hours

READ THESE INSTRUCTIONS FIRST

Write your class and name on all the work you hand in.
Write in dark blue or black pen on both sides of the paper.
You may use an HB pencil for any diagrams, graphs or rough working.
Do not use staples, paper clips, highlighters, glue or correction fluid.

Answer **all** questions.

The Insert contains all the Resources referred to in the questions.
You should make reference to appropriate examples studied in the field or the classroom, even where such examples are not specifically requested by the question.
You are reminded of the need for good English and clear presentation in your answers.

At the end of the examination, you are to hand in **each section separately**.
The number of marks is given in brackets [] at the end of each question or part question.

Start each section on a fresh sheet of paper. You will hand in each section separately.

Section A

Cluster 4 Fieldwork

- 1 Five students undertook an investigation about whether the needs of the elderly have been met in Ang Mo Kio (AMK) Hub, a suburban shopping mall located in Ang Mo Kio in Singapore.

They came up with a research question “Are the dietary and healthcare needs of the elderly met in AMK Hub?”

They decided to collect the data on a weekday in June at 10am to 12 noon.

They went to the mall directory and counted the number of clinics, health food stores and food establishments. They were unsure of some of the names and did not consider these stores in their total tally. They also stood at the entrance of a few shops to survey any elderly they saw. They surveyed a total of 9 elderly men and 1 elderly woman.

Resource 1 shows the entrance of AMK Hub.

Resource 2 shows the number of clinics, health food stores and food establishments that the students counted.

Resource 3 shows the survey questions that the students used.

Resource 4 shows the survey results.

- (a) Explain 3 strengths of the students’ research question. [3]
- (b) Explain how the students could minimise the impact of their investigation at the mall. [5]
- (c) With reference to the preamble, Resources 2 and 3, explain how the students could improve the accuracy and/or reliability of the survey. [6]
- (d) Explain how the data collected in the investigation could help answer the students’ research question. [6]

Section B

Cluster 3 Cities in a Sustainable Future

- 2** Resource 5 shows a graph of Global Urban and Rural Population from 1500 to 2050 (projected). Resource 6 shows the Population of Greater Brisbane and Rest of Queensland (1971-2019). Resource 7 shows the Master Plan for Brisbane's Urban Reimaging (1996).
- (a) Cite data to describe changes in urban population as shown in Resource 5. [3]
 - (b) Explain how urban population loss may affect sustainable urban development. [4]
 - (c) Compare the population trends between Greater Brisbane and Rest of Queensland as shown in Resource 6. [4]
 - (d) With reference to Resource 7, explain the potential impact of urban reimaging in Brisbane. [4]
 - (e) Using examples, explain the tensions between sustainable urban development and liveability. [5]

Section C

Cluster 3

- 3** To what extent is it easy to manage waste sustainably in cities? [20]

**** END OF PAPER ****