



EUNOIA JUNIOR COLLEGE
JC2 Preliminary Examination 2025
General Certificate of Education Advanced Level
Higher 2

H2 GEOGRAPHY

Paper 2

9173/02

17 September 2025

3 Hours

Additional Materials: Insert

READ THESE INSTRUCTIONS FIRST

An answer booklet will be provided with this question paper. You should follow the instructions on the front cover of the answer booklet. If you need additional answer paper, ask the invigilator for a continuation booklet.

Section A

Answer **Question 1**.

Section B

Answer **Question 2**.

Section C

Answer **one** question.

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

Answer Questions 1 and 2 and
EITHER Question 3 **OR** Question 4

Section A

Cluster 4: Fieldwork

- 1 A group of four students from a Junior College embarked on an investigation to find out about flood mitigation strategies and public perception of flood risk along two rivers in Singapore – Punggol Waterway (Site A) and Kallang River (Site B). Their hypothesis is as follows:

‘The flood risk along Punggol Waterway is lower than the flood risk along Kallang River.’

They employed the following methods:

- Flood risk perception survey
- Bi-polar survey of the success of flood mitigation strategies at each site.

The students conducted their investigation at Site A on 10 December (Tuesday) and Site B on 15 December (Sunday). They collected data in pairs and devised the following schedule to ensure that each pair had the chance to try out different methods:

	10 December	15 December
Flood risk perception survey	Pair 1	Pair 2
Bi-polar survey	Pair 2	Pair 1

On 10 December, the students conducted the flood risk perception survey with every tenth resident they met while walking around Site A from 9-10am. They only managed to get 3 respondents.

On 15 December, the students decided to conduct the flood risk perception survey with every fifth resident instead of tenth at Site B, from 9am-12pm. The pair conducting the bi-polar survey at Site B was done by 10am and returned to Site A to conduct the flood risk perception survey with additional residents from 11am-12pm.

Resources 1A and 1B show the photos taken at Sites A and B respectively. Resource 2 shows the demographics of the population who attempted the flood risk perception survey at each site. Resource 3 shows the tabulation of data for the flood risk perception survey. Resource 4 shows the bi-polar survey used by the students.

- (a) Explain **one** strength and **one** weakness in the students' hypothesis. [4]
- (b) Explain how the sampling of respondents for the flood risk perception surveys could be improved. [5]
- (c) With reference to Resources 1A and 1B, suggest how the students could minimise potential risks during data collection. [6]
- (d) Compare the characteristics of the respondents in Sites A and B as shown in Resource 2. [5]

- (e)** Explain how the data in Resource 3 may be represented using a suitable graphical method. [5]
- (f)** Explain the limitations of the data collection sheet shown in Resource 4. [5]
- (g)** The students concluded that their hypothesis is true. Evaluate the validity of their conclusion. [10]

Section B**Cluster 3: Sustainable Future and Climate Change**

- 2** Resource 5 shows the share of urban populations living in slums in 2022. Resource 6 shows an infographic on the projected changes in exposure to heatwaves across different socioeconomic clusters from the 2030s to 2090s. Resource 7 shows a photograph of a slum dweller and her home.
- (a) Explain the difficulties faced when measuring sustainable urban development. [5]
 - (b) Describe the variation in the share of urban population living in slums in 2022 as shown in Resource 5. [5]
 - (c) Using Resource 6, compare the projected changes in exposure to heatwaves across different socioeconomic clusters from the 2030s to 2090s. [4]
 - (d) Explain the impacts of contemporary climate change on terrestrial ecosystems. [5]
 - (e) With reference to Resource 7, explain how slum conditions may worsen the effects of extreme heat on slum dwellers. [6]
 - (f) With reference to Resources 6 and 7, explain the challenges in implementing strategies to respond to climate change in cities. [5]

Section C

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

Cluster 3: Sustainable Future and Climate Change

- 3** 'Climate change in the last two centuries is unequivocally caused by human activities.'

Evaluate this statement.

[20]

- 4** Evaluate the issues faced by women living in cities.

[20]

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