



NANYANG JUNIOR COLLEGE

Year 2 Preliminary Examination

H2 GEOGRAPHY

9173/02

Paper 2

23 Sept 2025

3 hours

Additional Materials:

Insert

READ THESE INSTRUCTIONS FIRST

If you have been given an Answer Booklet, follow the instructions on the front cover of the Booklet.

Write your Centre number, index number and name on 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 or graphs.

Do not use staples, paper clips, glue or correction fluid.

DO **NOT** WRITE ON ANY BARCODES.

Answer Question 1 in **Section A**.

Answer Question 2 in **Section B**.

Answer **one** question in **Section C**.

At the end of the examination, fasten all your work securely together.

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 10 geography students from a junior college in Singapore undertook an investigation on flood risk in the Klang district of Selangor, Malaysia, during the June holidays.

The students focused on three flood-prone areas: Jalan Tepi Sungei (Site 1), Jalan Tengku Kelana (Site 2) and Kampung Datuk Dagang (Site 3). All 3 sites are located next to the Klang River. They came up with this hypothesis:

Kampung Datuk Degang faces the highest flood risk due to its lack of mitigation infrastructure and strategies.

Due to safety concerns, the students could not enter the river for measurements and focus instead on perceptions of flood risk and evidence of flood mitigation infrastructure. At each site, they collected data from 8 residents or business owners through a questionnaire survey. They also recorded visible flood defenses and land use features at each location through observation.

Resource 1 shows the area around the Klang River where the students conducted their investigation. Resources 2A, 2B, and 2C present the three investigation sites, highlighting the flood defences in place and the observed land use. Resource 3 contains the questionnaire used by the students to gather perceptions of flood risk at all three sites. Resource 4 provides a table summarising the survey results collected from across the three sites.

- (a) With reference to Resource 1, explain why the students' hypothesis is appropriate for the investigation. [3]
- (b) With reference to Resources 2B and 2C, explain how the students could minimise potential risks when visiting the two sites. [6]
- (c) Suggest suitable sampling methods that the students could adopt for their survey at Sites 2A and 2C respectively. [6]
- (d) With reference to Resource 3, explain the limitations of the survey on perceptions of flood risk in improving the students' investigation. [6]
- (e) Describe **two** other suitable data collection methods that could help improve the students' investigation. [4]
- (f) With reference to Resource 4, use an appropriate data representation technique to present the data for Question 1 and explain why it is suitable. [5]
- (g) With reference to all the resources, evaluate the validity of the students' conclusion that their hypothesis is true. [10]

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

- 2** Resource 5 shows the spatial distribution of Singapore's aged population (above 65) in 2010 and 2018. Resource 6 is an infographic on ageing in Seoul and Singapore. Resource 7 is a photograph showing the facilities in Shinnae Medical Housing in Seoul.
- (a) Using Resource 5, describe the changes in the spatial distribution of the aged population (above 65) in Singapore between 2010 and 2018. [4]
 - (b) Explain the changes in the spatial distribution of the aged population (above 65) in Singapore between 2010 and 2018 shown in Resource 5. [5]
 - (c) Using Resource 6, compare the ageing trends in Seoul and Singapore. [6]
 - (d) Explain the challenges faced by the elderly in Seoul as shown in Resource 6. [6]
 - (e) Using Resource 7, explain how the different facilities help to meet the social and psychological needs of the elderly residents. [5]
 - (f) With reference to Resource 7, propose ways in which Shinnae Medical Housing in Seoul can help meet the economic needs of its elderly residents. [4]

Section C

Answer EITHER question 3 OR question 4.

- 3** 'Community participation is the key factor in effective slum management.' Evaluate this statement. [20]
- 4** Evaluate the influence of natural factors on the Earth's climate since 1850. [20]

End of Paper