

Name:		Class:	
Centre Number:		Index Number:	



DUNMAN HIGH SCHOOL PRELIMINARY EXAMINATION YEAR 6

HIGHER 2 GEOGRAPHY

9173/01

PAPER 1

Monday

22 Sep 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 a HB pencil for any diagrams or graphs.

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

Answer both questions in **Section A**.

Answer two questions in **Section B**, one from each cluster.

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

Section A

Answer **both** questions.

Cluster 1: Development, Economy and Environment

- 1** Resource 1 shows the Mineral Contribution Index by country in 2018. Resource 2 shows the global price of lithium carbonate and cobalt from 2016 to 2023. Resource 3 shows the landscape of an area after mining took place in Australia. Resource 4 shows intra-ASEAN trade as a share of total trade for six ASEAN member states between 2004 and 2023.
- (a) Explain the characteristics of extractive industries. [5]
 - (b) Describe the patterns of Mineral Contribution Index (MCI) shown in Resource 1. [4]
 - (c) With reference to Resources 1 and 2, suggest why the economic impacts of extractive industries vary between countries. [6]
 - (d) With reference to Resource 3, explain how mining may harm the environment. [5]
 - (e) With reference to Resource 4, describe the changes in intra-ASEAN trade as a share of total trade for ASEAN member states between 2004 and 2023. [5]
 - (f) Explain the influence of the Association of Southeast Asian Nations (ASEAN) on TNCs and states. [5]

Cluster 2: Tropical Environments

- 2** Resource 5 shows the distribution of annual summer monsoon rainfall totals in India from 1901 to 2010. Resource 6 shows a classification of mass movements in the tropics according to water content and velocity. Resource 7 shows land use change in the Indian section of the Ganges-Brahmaputra Delta from 2001-2002 to 2010-2011.
- (a) Describe the distribution of annual summer monsoon rainfall totals for India from 1901 to 2010 as shown in Resource 5. [5]
- (b) With reference to Resource 5, suggest reasons for the variation in annual summer monsoon rainfall. [6]
- (c) Describe the differences in mass movements shown in Resource 6. [4]
- (d) Suggest reasons for the range of velocity for debris slide shown in Resource 6. [4]
- (e) With reference to Resource 7, describe the land use change in the Indian section of the Ganges-Brahmaputra Delta from 2001-2002 to 2010-2011. [5]
- (f) Explain how the land use change shown in Resource 7 may impact ecosystem services provided by the Ganges-Brahmaputra Delta. [6]

Section B

Answer **either** Question 3 or Question 4 and answer **either** Question 5 or Question 6.

Cluster 1 Development, Economy and Environment

- 3** Evaluate the view that human inventiveness can overcome the limits imposed by the natural environment on population growth. [20]
- 4** Evaluate the influence of states over the operations of TNCs. [20]

Cluster 2 Tropical Environments

- 5** 'The influence of global scale circulations on rainfall patterns in the tropics is significant.'
- Evaluate this statement. [20]
- 6** Evaluate the factors influencing the formation of karst landforms. [20]