

Raffles Institution

H2 GEOGRAPHY

9173

Time: 2 hours 25 mins

[illegible]

READ THESE INSTRUCTIONS FIRST

Please answer all 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. Diagram and sketch maps should be drawn whenever they serve to illustrate an answer. You are reminded of the need for good English and clear presentation in your answers.

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

Answer every question on a fresh sheet of writing paper.

Structured Question (30 marks)

Cluster 1 : Development, Economy and Environment

- 1 Resource 1 shows the top clothing exporting countries by export value. Resource 2 shows a photograph of a clothing factory in China. Resource 3 shows a photograph of the Xiaowan Hydropower Dam on the Lancang River in China. Resource 4 shows the deforestation rates in the different provinces of China.
- (a) Using Resource 1, compare the clothing industries in China and Bangladesh. [4]
 - (b) Suggest **three** reasons that make China the top location for clothing manufacturing as shown in Resource 1. [6]
 - (c) With reference to Resource 2, describe the working conditions of the clothing factory. [4]
 - (d) Giving evidences from Resource 3, explain the disadvantages of hydropower dam for developing countries. [7]
 - (e) Using Resource 4, describe the spatial pattern of deforestation in China [3]
 - (f) Using examples from forest resources, explain what is meant by (i) provisioning, (ii) regulating and (iii) cultural resources. [6]

Structured Question (30 marks)

Cluster 2 : Tropical Environments

- 2** The Pacific Hurricane Season is an annual phenomenon in which tropical cyclones typically form in the Pacific Ocean. Hurricane Hilary is the fourth major hurricane of the 2023 Pacific Hurricane Season. It is the first tropical storm since 1997 to reach the state of California, where the Mojave Desert is located.

Resource 5 shows the climate graph of the Mojave Desert. Resource 6 shows the forecasted track of Hurricane Hilary on 17 August 2023. Resource 7 shows the average sea surface temperature (SST) of the Pacific Ocean between 17 August 2023 and 22 August 2023. Resource 8 shows the 7-day Precipitation Forecast in the United States of America from 18 to 24 August 2023. Resource 9 is a photograph of the Mojave Desert.

- (a) Using Resource 5, describe the climatic characteristics of the Mojave Desert. [4]
- (b) With reference to Resource 5, explain one weathering process that may be dominant in the Mojave Desert. [4]
- (c) With reference to Resource 6, describe the development of Hurricane Hilary. [5]
- (d) With reference to Resources 6 and 7, suggest reasons for the formation, development and track of Hurricane Hilary. [6]
- (e) With reference to Resource 8, explain how Hurricane Hilary may influence the pathways and storages of the drainage basin water balance of the Mojave Desert. [6]
- (f) Explain the formation of Landform X shown in Resource 9. [5]

Essay (20 marks)

Cluster 2 : Tropical Environments

- 3** 'The varying success of fluvial flood management can be attributed to humans only.'

Evaluate this statement. [20]