



VICTORIA JUNIOR COLLEGE

JC 2 PRELIMINARY EXAMINATION 2017

H2 GEOGRAPHY

9751/02

Paper 2

3 hours

READ THESE INSTRUCTIONS FIRST

Write your name and index number 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.

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.
Diagrams and sketch map should be drawn whenever they serve to illustrate and answer.
You are reminded of the need for good English and clear presentation of your answers.

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.

Section A**Theme 4: Geographical Investigation**

- 1** A group of five foreign students on a university student exchange programme are investigating the impacts of reimagining efforts in Chinatown.

Reimagining efforts by the Singapore Tourism Board (STB) have focused on making Chinatown “a place where visitors are immersed in Singapore’s heritage while being presented with a mix of traditional and contemporary offerings” (STB, 2016).

The students will collect primary data by taking photographs and conducting questionnaire surveys over the course of two weeks.

Resource 1 shows a photo of a street in Chinatown, Singapore taken by the students. Resource 2 shows a map of Chinatown provided by the Singapore Tourism Board (STB). Resource 3 shows the questionnaire used by the students for their investigation.

- (a)** With reference to Resource 1, explain one ethical issue that may arise during the students’ investigation. [3]
- (b)** With reference to Resources 2 and 3, explain how the students can increase the accuracy of their data. [4]
- (c)** Explain how the students can present the data they have collected from the questionnaire survey shown in Resource 3. [5]
- (d)** Explain how taking photographs and conducting questionnaire surveys are suitable data collection methods for the investigation. [6]
- (e)** Explain how the students can use secondary data for their investigation. [7]

Section B**Theme 1: Tropical Environments****Tropical Cyclones in Viti Levu, Fiji**

- 2** Resource 4 shows the distribution of maximum rainfall recorded in one day during Tropical Cyclone Gavin and Tropical Cyclone June in Viti Levu, the largest island in the Republic of Fiji in 1997.

Resource 5 shows the changes in discharge in Rewa River in Viti Levu which was affected by tropical cyclones in 1997.

Resource 6 shows the map of Rewa Drainage Basin and a photo of a landslide near Suva, the capital of the Republic of Fiji in 1997.

- (a)** With reference to Resource 4, compare the distribution of maximum rainfall recorded in one day during Tropical Cyclone Gavin and Tropical Cyclone June in Viti Levu in 1997. [4]
- (b)** With reference to Resource 5, describe how the discharge in Rewa River was affected by tropical cyclones in 1997. [3]
- (c)** Using Resources 4 and 6, account for the characteristics of the hydrograph during Tropical Cyclone Gavin and Tropical Cyclone June as shown in Resource 5. [5]
- (d)** Using Resources 4 and 6, explain the factors which may have caused the landslide near Suva in 1997. [6]
- (e)** Using Resource 6, explain how the effects of landslides can impact the physical and human environment. [7]

Theme 2: Development, Economy and Environment**Chemical Industry**

- 3** Resource 7 shows the size of market for chemicals in 2000 and 2020. Resource 8 shows the production sites of Wacker, a German chemical company. Resource 9 shows an article on pollution by the chemical industry in China.
- (a)** With reference to Resource 7, describe the projected changes in the size of the market for chemicals from 2000 to 2020. [4]
- (b)** With reference to Resource 8, describe the characteristics of Wacker production sites. [4]
- (c)** With reference to Resource 7, account for the characteristics of Wacker production sites as shown in Resource 8. [5]
- (d)** With reference to Resources 8 and 9, explain the possible impacts of transnational corporations on host economies. [6]
- (e)** Explain how Resources 8 and 9 may illustrate Harvey's arguments on population-resource relationships. [6]

Theme 3: Sustainable Development**Pluvial Floods in the United Kingdom**

- 4** Resource 10 shows the population characteristics of selected regions in the United Kingdom (UK). Resource 11 shows the social-demographic characteristics of residents living in flood-risk and non-flood risk areas in the city of Belfast, North Ireland.
- (a)** With reference to Resource 10, compare the urban population size and the level of urbanisation for the different regions of the UK. [4]
- (b)** Suggest reasons for the level of urbanisation in the UK. [4]
- (c)** With reference to Resource 10, describe the pattern of future increases of urban population at risk from pluvial flooding in the UK. [3]
- (d)** Suggest reasons for the pattern(s) described in (c). [5]
- (e)** With reference to Resource 11 and your own knowledge, discuss how vulnerability to pluvial flooding may vary **within** a city. [9]