# MOCK EXAMINATION

## GEOGRAPHY PAPER 2

Time allowed: 1 hour and 15 minutes

This paper must be answered in English

**GENERAL INSTRUCTIONS**

1. This paper consists of **TWO** sections:

   **Section D** – consists of 4 data / skill-based structured questions. Attempt any **ONE** question in this section.

   **Section E** – consists of 4 short essay questions. Attempt any **ONE** question in this section.

2. Answer a total of **TWO** questions. The two questions chosen can be taken from the same or different electives.

3. Write your answers in the Answer Book. Start each (not part of a question) on a new page.

4. Draw sketch maps and diagrams to supply additional, relevant information when appropriate.

**Section D: Answer any ONE question from this section. Each question carries 18 marks.**

1. **Elective: Dynamic Earth**

Figure 1a shows the distribution of major types of rocks in Hong Kong and the locations of areas X and Y. Photographs 1b and 1c respectively show different landform features found in Hong Kong.

**Figure 1a**

**Photograph 1b**

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**Photograph 1c**

(a) Refer to Figure 1a, Photograph 1b and Photograph 1c.

(i) Identify photographs 1b and 1c may be taken in areas X or Y respectively. (2 marks)

(ii) Identify the rocks shown in Photographs 1b and 1c. (2 marks)

(iii) Contrast the formation of rocks shown in Photographs 1b and 1c by using a table. (4 marks)

(b) Refer to Figure 1a and Photograph 1b.

(i) Account for the formation of the feature shown in Photograph 1b. (6 marks)

(ii) Discuss whether afforestation in the area shown in Photograph 1b is preferable on the mitigation of formation of the feature mentioned in question (b)(i). (4 marks)

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2. **Elective: Weather and Climate**

Figure 2a shows the distribution of mean July temperature in China and the locations of cities X and Y. Figure 2b shows climatic graphs P and Q. Figure 2c shows a news clip about the climate of China.

**Figure 2a**

**Figure 2b**

| Climatic graph P | Climatic graph Q |
|---|---|
| | |

**Figure 2c**

Scientists generally state that the world is experiencing the most widespread drought in decades. Sudden 'flash droughts' are also becoming more common.

The Chinese Meteorological Administration issued a red alert for high temperatures. As heat waves and dry weather in Changjiang Basin has already lasted for more than 70 days. It is also the longest and most extensive heat wave ever recorded in history.

The Ministry of Water Resources launched an emergency response by restarting the 'joint dispatch of drought relief and water supply'. The reservoirs in the upper course will increase the discharge to maintain water supply to the downstream areas.

(a) Refer to Figures 2a, 2b and 2c.

(i) Identify climatic graphs P and Q belongs to cities X or Y respectively. (2 marks)

(ii) Compare the climatic characteristics between cities X and Y. (4 marks)

(iii) Describe and explain the distribution of the mean July temperature in China. . (5 marks)

(b) Refer to Figures 2a and 2c.

(i) Account for the causes of drought in Changjiang Basin mentioned in Figure 2c. (3 marks)

(ii) Discuss whether 'joint dispatch of drought relief and water supply' mentioned in Figure 2c is an appropriate strategy to mitigate the drought situation in China. (4 marks)

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3. **Elective: Transport Development, Planning and Management**

Figure 3a shows the freight transport system of Hong Kong and the locations of some related facilities. Table 3b shows the travel time of land transport between the Zhujiang Delta Region and Hong Kong International Airport. Table 3c shows some information about the construction of the third airport runway.

**Figure 3a**

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**Table 3b**

| | Shenzhen ⟷ Hong Kong | | Macau ⟷ Hong Kong | |
|---|---|---|---|---|
| **General journey time (min)** | **Before 2018** | **After 2018** | **Before 2018** | **After 2018** |
| | 50 | 28 | 220 | 38 |

**Table 3c**

| | Construction of the third airport runway |
|---|---|
| **Cost (billion dollar)** | 141.5 |
| **Expected increase in passenger traffic (10 thousand)** | 3 000 |
| **Construction time (year)** | 6 |
| **Area of reclamation (hectare)** | 650 |

(a) Refer to Figure 3a.

(i) State the major mode of freight transport in Hong Kong. (1 mark)

(ii) Explain how this transport mode is adopted in Hong Kong. (5 marks)

(b) Refer to Figure 3a and Table 3b.

(i) Account for the impacts of the opening of major roads after 2018 on the freight transport in Hong Kong. (4 marks)

(ii) Describe and explain the transport problems that may occur after 2018. (4 marks)

(c) Refer to Figure 3a and Table 3c.

Discuss whether the construction of the third airport runway is a sustainable transport development. (4 marks)

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4. **Elective: Regional Study of Zhujiang (Pearl River) Delta**

Figure 4a shows the map of Dongguan Songshan Lake Science and Technology Industrial Park. Figure 4b shows the landscape of the Industrial Park. Table 4c shows the percentage change of GDP of different industries in Zhujiang Delta Region from 2010 to 2018. Table 4d shows the characteristics of manufacturing industry in Guangdong Province from 1990 to 2010.

**Figure 4a**

**Figure 4b**

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**Table 4c**

| | 2010 | 2015 | 2018 |
|---|---|---|---|
| **Primary industry** | 2.1% | 1.8% | 1.5% |
| **Secondary industry** | 48.6% | 43.6% | 41.2% |
| **Tertiary industry** | 49.3% | 54.6% | 57.3% |

**Table 4d**

| | 1990s | 2010s |
|---|---|---|
| **Nature of manufacturing industry** | Traditional manufacturing | Advanced manufacturing |
| **High proportion industry** | Food, drinks, toy, footwear manufacturing | Information technology, pharmaceutical, automotive, chemical product manufacturing |

(a) Refer to Figure 4a. Account for the locational advantages of Dongguan Songshan Lake Science and Technology Industrial Park, with the support of map evidence. (6 marks)

(b) Refer to Figure 4b. Describe the landscape characteristic of Dongguan Songshan Lake Science and Technology Industrial Park. (3 marks)

(c) Refer to Table 4c. Describe and explain the percentage change of different types of industries in Zhujiang Delta Region from 2010 to 2018. (5 marks)

(d) Refer to Table 4d.

Discuss the importance of transforming ‘traditional manufacturing’ to ‘advanced manufacturing’ to the economic sustainability of Guangdong Province. (4 marks)

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**Section E: Answer any ONE question from this section. Each question carries 12 marks.**

5. **Elective: Dynamic Earth**

Account for the relationship between vulcanicity and mass wasting in Hong Kong. Discuss the impact of human activities on this relationship.

(12 marks)

6. **Elective: Weather and Climate**

Describe how air pressure changes in winter and summer affect the climate of Hong Kong. Discuss the relationship between air pressure changes and climatic hazards in South China.

(12 marks)

7. **Elective: Transport Development, Planning and Management**

Describe the transport development of Hong Kong since the 1970s. Discuss whether continuing the adoption of 'According Priority to Railways' transport strategy is effective in building a sustainable transport system in Hong Kong.

(12 marks)

8. **Elective: Regional Study of Zhujiang (Pearl River) Delta**

Describe the transformation of farming activities in the Zhujiang Delta Region since 1978. Discuss the social, economic and environmental importance of developing agro-tourism in the Zhujiang Delta Region.

(12 marks)

**END OF PAPER**

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