



福建中學

FUKIEN SECONDARY SCHOOL

S6 Mock Examination (2020-2021)

Geography Paper 2

(1 hour 15 minutes)

Date: 20th January 2021

Time: 11:30 a.m. - 12:45 p.m.

Name: _____

Class: _____ No.: _____

GENERAL INSTRUCTIONS

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

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

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

2. Answer a total of **TWO** questions.
3. Write your answers in the Answer Book. Start each question (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 ONE question from this section. Each question carries 18 marks. (15%)**Elective: Dynamic Earth**

1. Figure 1a shows a simplified geological map of Kowloon East and the location of site X. Figure 1b shows site X in detail. Figure 1c shows the distribution of a tectonic feature in Hong Kong.

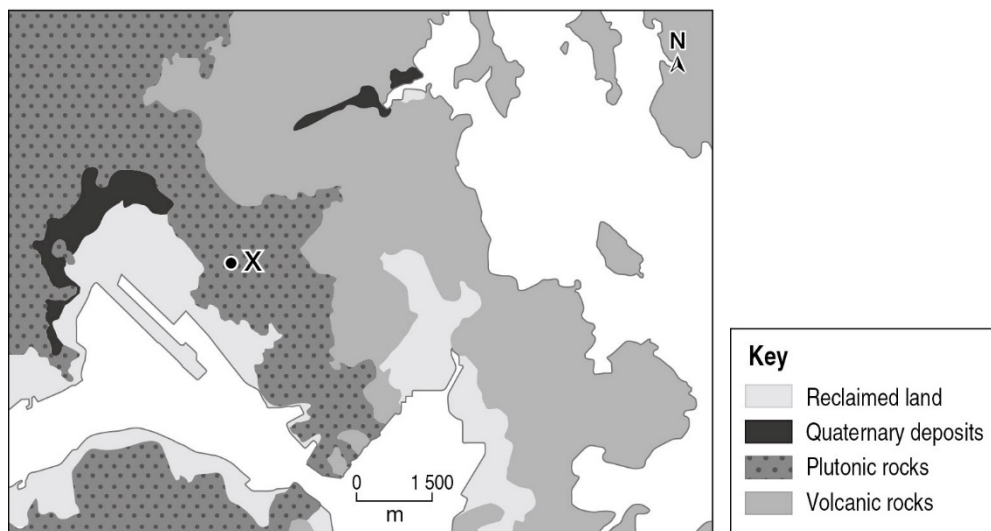
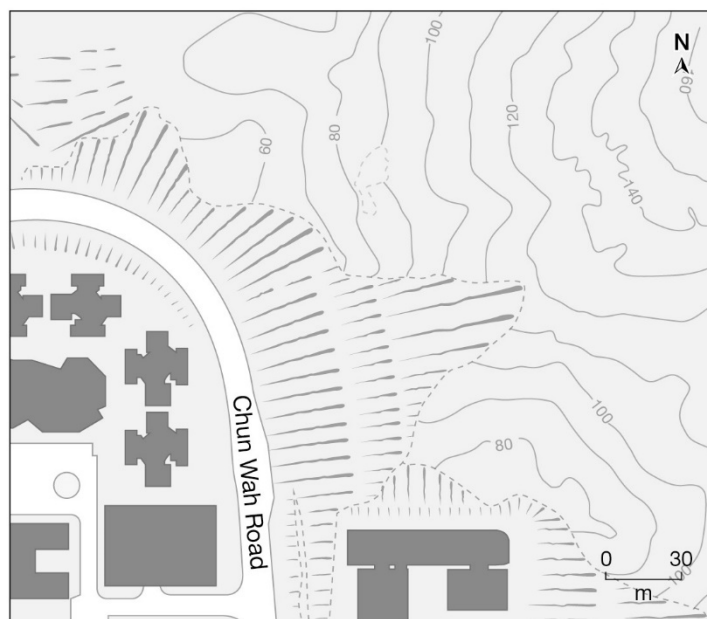
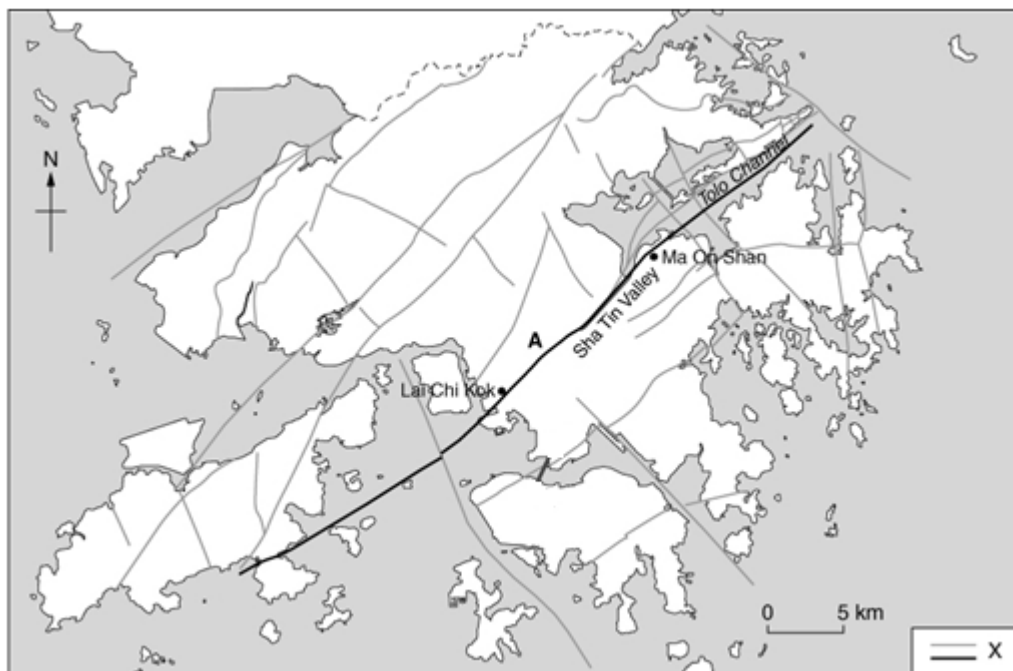
Figure 1a**Figure 1b**

Figure 1c

(a) Refer to Figures 1a and 1b.

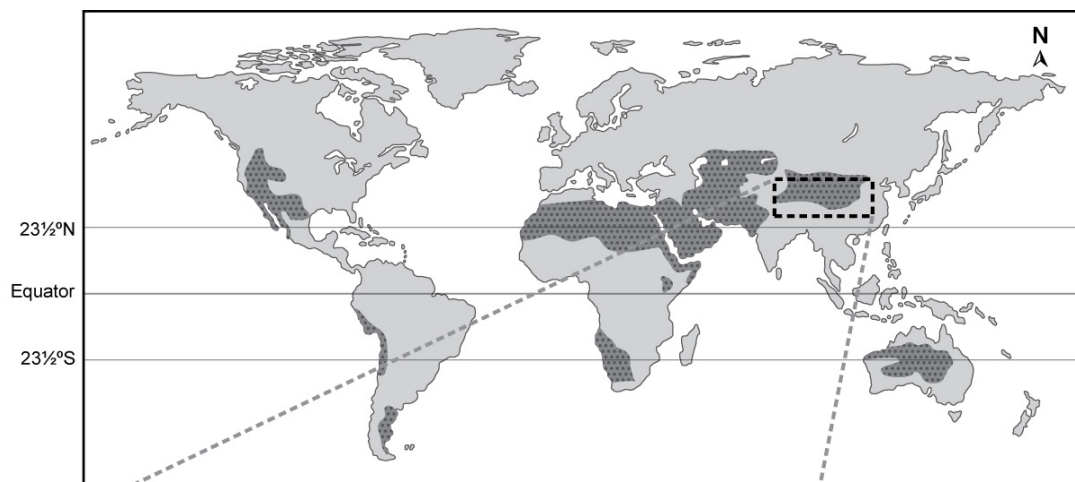
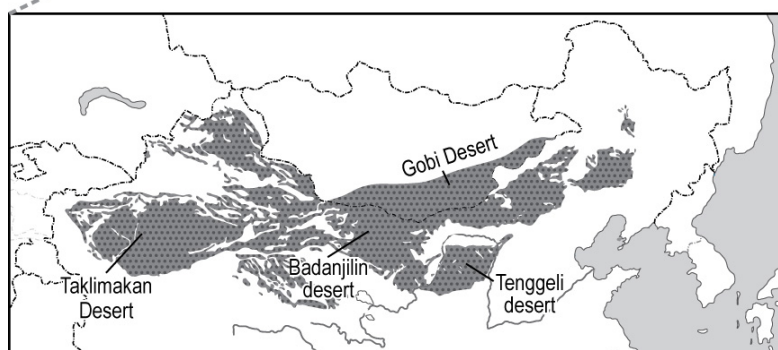
- (i) Which geological hazard is easily occurred at site X? (1 mark)
- (ii) Support your answer to question (a)(i) with map evidence. (6 marks)
- (iii) Explain how this geological hazard occurs. (4 marks)

(b) Refer to Figure 1c.

- (i) Name X in the key. (1 mark)
- (ii) What are the two major orientations of the lines shown in the figure? (2 marks)
- (iii) How does line A affect the relief of central and north-eastern parts of the New Territories? (4 marks)

Elective: Weather and Climate

2. Figure 2a shows the global distribution of major deserts. Figure 2b shows the major deserts in China. Figure 2c shows a measure to deal with desertification in China.

Figure 2a**Figure 2b****Figure 2c**

(a) Refer to Figure 2a.

(i) Describe the relationship between the global distribution of deserts and latitude. (1 mark)

(ii) Explain your answer to question (a)(i). (3 marks)

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

(i) Describe the spatial distribution of deserts in China. (2 marks)

(ii) Do deserts in China significantly follow the distribution pattern in question (a)(i)? Explain your answer. (4 marks)

(c) *Deserts in China are expanding in an alarming rate.*

(i) Examine the human factors that cause the above situation. (3 marks)

(ii) Discuss whether the measure shown in Figure 2c can effectively alter this situation. (5 marks)

Elective: Transport, Development, Planning and Management

3. Figure 3a shows part of the transport network in Hong Kong and some proposed NDAs. Table 3b shows the planned population and number of jobs in the NDAs.

Figure 3a

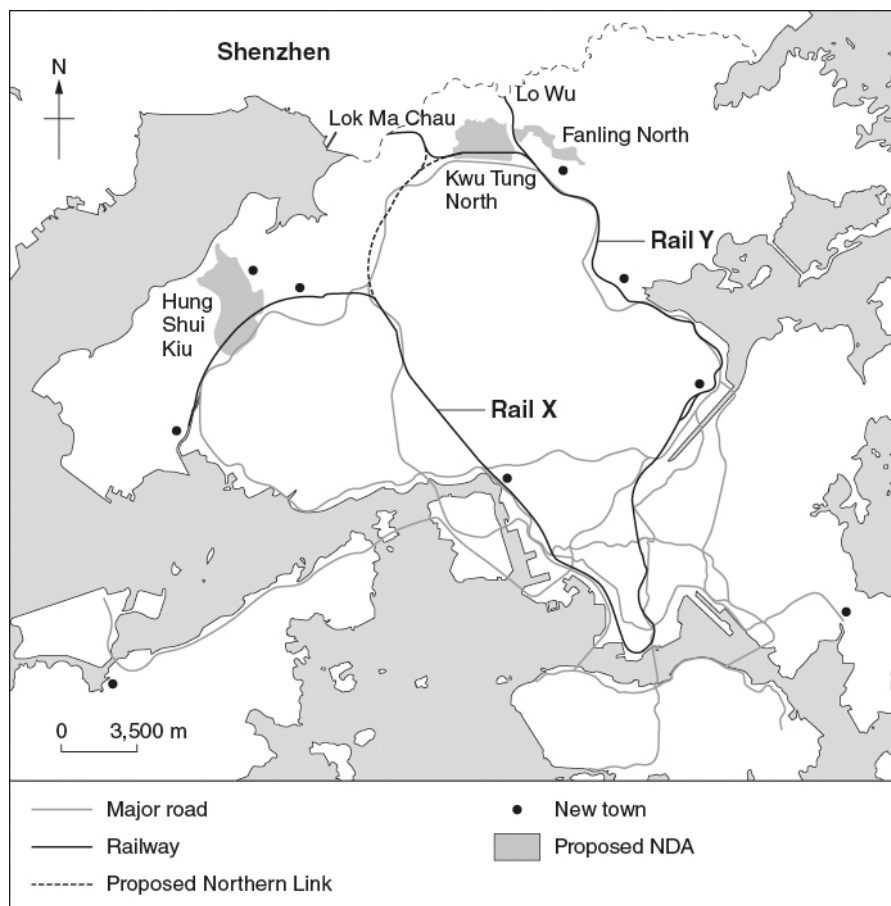


Table 3b

| | Fanling North NDA | Kwu Tung North NDA | Hung Shui Kiu NDA |
|---------------------------|------------------------------|-------------------------------|------------------------------|
| Planned population | 71,400 | 105,500 | 218,000 |
| Number of jobs | 6,500 | 31,200 | 100,000 |

(a) Refer to Figure 3a.

- (i) Describe the factors that may affect the patronage of rails X and Y. (2 marks)
- (ii) Explain the importance of rails X and Y to the working population living in the new towns in the northern part of the New Territories. (4 marks)

(b) With reference to Table 3b, describe and explain the change of passenger flow in rails X and Y after the development of the NDAs. (3 marks)

(c) Refer to Figure 3a.

- (i) Describe how the proposed Northern Link improves the rail network. (4 marks)
- (ii) Assess the environmental impacts brought by the building of the Northern Link. (5 marks)

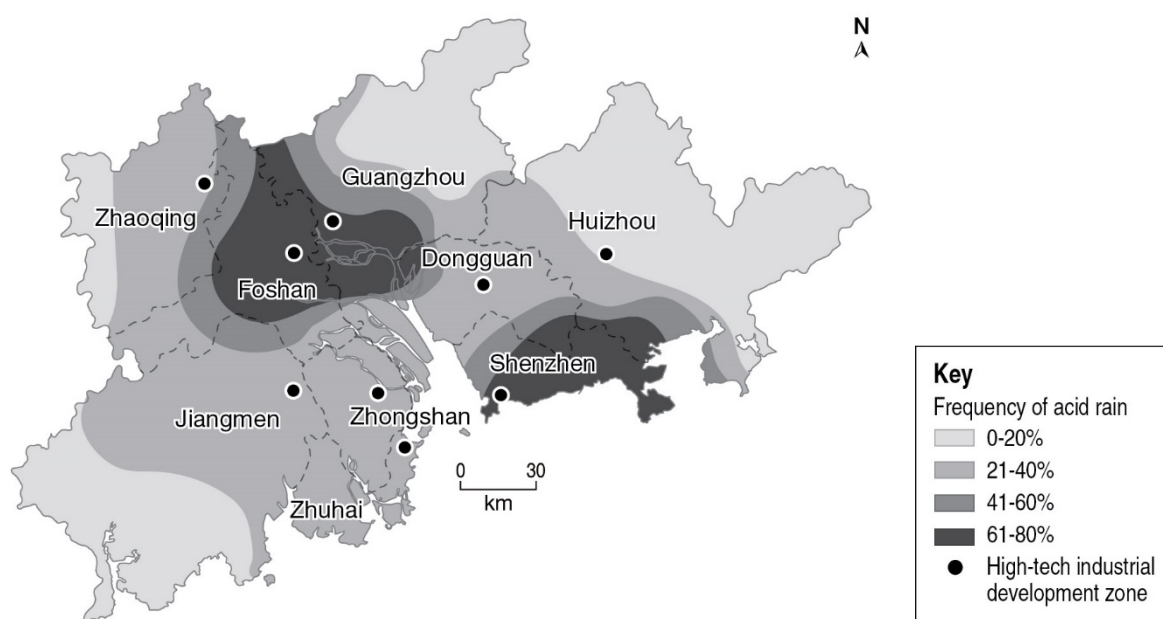
Elective: Regional Study of Zhujiang Delta

4. Table 4a shows some socio-economic information of the Zhujiang Delta Region in the 1980s and the 2010s. Figure 4b shows the frequency of acid rain occurred in the Zhujiang Delta Region in the 2010s and the distribution of the major high-tech industrial development zones in the area.

Table 4a

| | The 1980s | The 2010s |
|--|---|---|
| Industrial production (billion RMB) | 165 | 863 |
| Major types of industry | Textile, garment, toys, food processing, plastics | Digital products, software, automobile, petrochemical |
| Ratio of light to heavy industry | 78:22 | 37:63 |
| Land rent (RMB per m²) | 3.7 | 27.4 |
| Average monthly wage of manufacturing workers (RMB) | 198 | 4 561 |
| Population attaining tertiary education level (%) | 8.2 | 26.0 |
| R&D expenditure (billion RMB) | 4.1 | 89.8 |
| Government policy | Tax concessions | ‘Emptying the cage for new birds’ |

Figure 4b



(a) Refer to Table 4a.

- (i) Describe the changes in the industrial characteristics in the Zhujiang Delta Region between the 1980s and the 2010s. (3 marks)
- (ii) Explain why the changes you described in question (a)(i) occurred. (5 marks)

(b) Refer to Figure 4b.

- (i) Name the areas with the most severe acid rain problem in the Zhujiang Delta Region. (1 mark)
- (ii) Explain the occurrence of acid rain in the areas you mentioned in question (b)(i). (4 marks)
- (iii) *Since the early 1990s, many high-tech industrial development zones have been built in the Zhujiang Delta Region to encourage the development of high-tech industries.*

Discuss the relative importance of the construction of the high-tech industrial development zones in the Zhujiang Delta Region in alleviating the problem of acid rain. (5 marks)

Section E: Answer ONE question from this section. Each question carries 12 marks. (10%)**Elective: Dynamic Earth**

5. Contrast the characteristics and formation of intrusive and extrusive rocks in Hong Kong. Discuss the opportunities and risks brought by these rocks to the urban development in Hong Kong. (12 marks)

Elective: Weather and Climate

6. Compare the differences between tropical cyclones and anticyclones. Discuss whether temperature is a controlling factor for the formation of tropical cyclones. (12 marks)

Elective: Transport, Development, Planning and Management

7. Account for the major transport problems faced by commuters in Hong Kong. Discuss the effectiveness of the mass transit system in solving these problems. (12 marks)

Elective: Regional Study of Zhujiang Delta

8. Account for the shrinkage of cultivated land in the Zhujiang Delta Region in the last four decades. Discuss how modern agriculture is sustained in the region. (12 marks)

END OF PAPER