

PRACTICE PAPER
GEOGRAPHY PAPER 2

(1 hour)

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. Choose **ONE** question **only** in this section, **which must be in a different elective from that chosen in Section E.**

Candidates attempting:

Question 1 in this section are **NOT** allowed to choose Question 5 in Section E.

Question 2 in this section are **NOT** allowed to choose Question 6 in Section E.

Question 3 in this section are **NOT** allowed to choose Question 7 in Section E.

Question 4 in this section are **NOT** allowed to choose Question 8 in Section E.

Section E – consists of 4 short essay questions. Choose **ONE** question **only** in this section, **which must be in a different elective from that chosen in Section D.**

Candidates attempting:

Question 5 in this section are **NOT** allowed to choose Question 1 in Section D.

Question 6 in this section are **NOT** allowed to choose Question 2 in Section D.

Question 7 in this section are **NOT** allowed to choose Question 3 in Section D.

Question 8 in this section are **NOT** allowed to choose Question 4 in Section D.

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, which must be in a different elective from that chosen in Section E. Each question carries 18 marks.

1. Elective: Dynamic Earth

Candidates attempting this question are NOT allowed to choose Question 5 in Section E.

Table 1a shows some data of a natural event that occurred on a hillslope on 7 June 2008. Figure 1b shows the location of the event. Figure 1c shows the daily total rainfall at a nearby weather station received from 1 to 7 June.

Table 1a

| The Site | |
|-------------------------------------|---|
| Location | northern part of Hong Kong Island |
| Nature of slope | unpaved filled slope |
| Bedrock | granite |
| The Natural Event | |
| Runout distance | 80 m |
| Materials involved | filled materials, soil and loose rock fragments |
| Volume of materials involved | 200 m ³ |
| Damages | a security booth and a section of concrete retaining wall |

Figure 1b

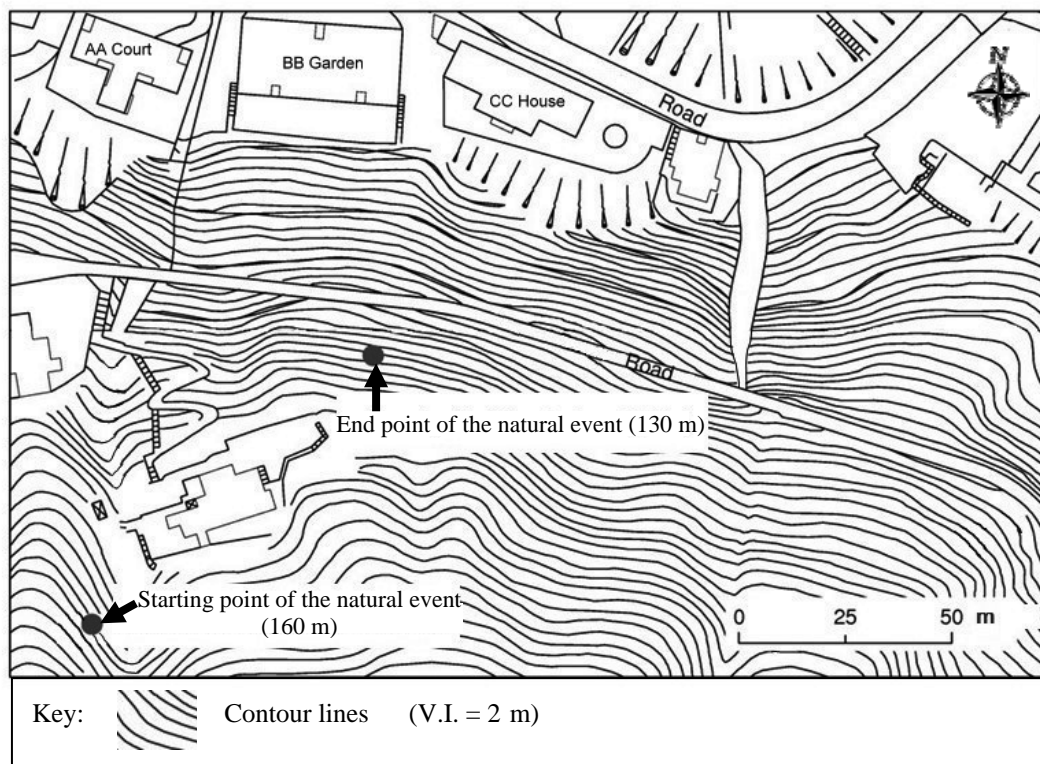
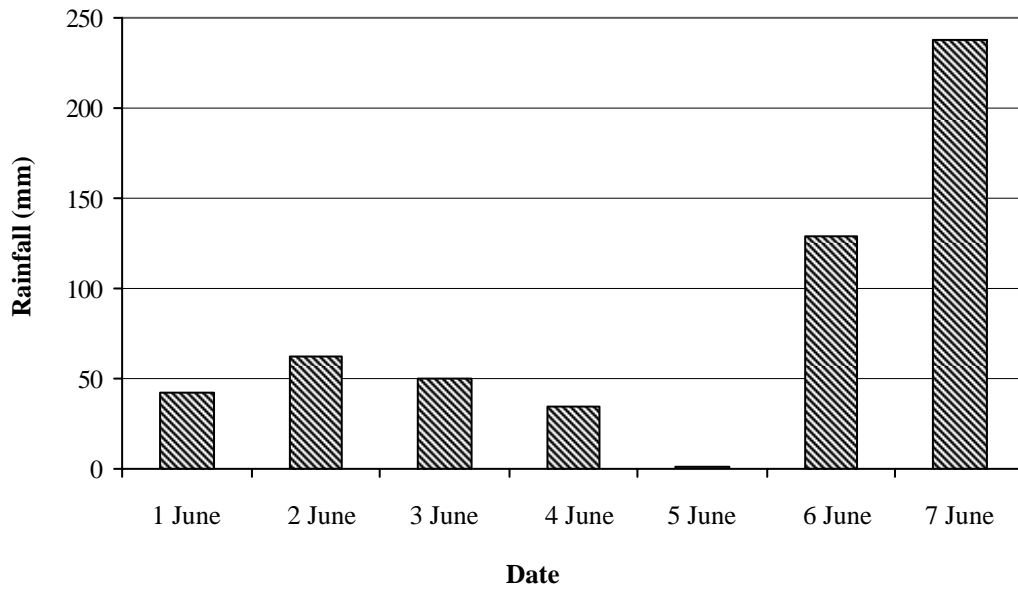
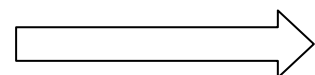


Figure 1c



Refer to Table 1a, Figure 1b and Figure 1c.

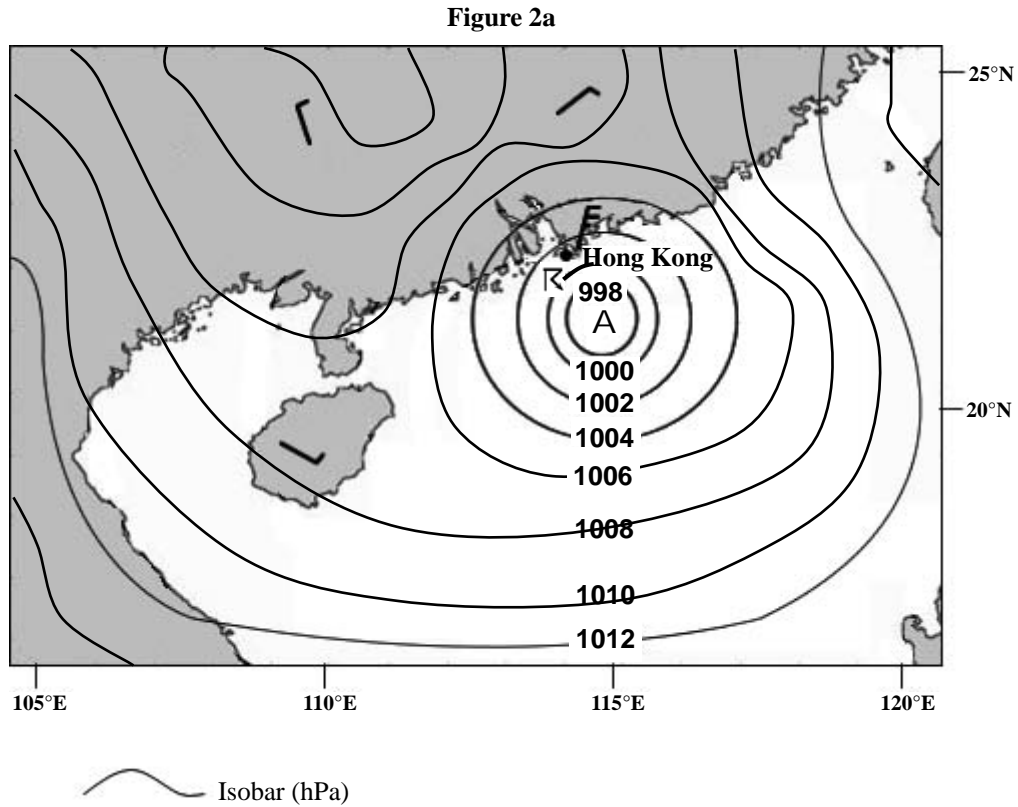
- (a) (i) Identify the natural event. (1 mark)
- (ii) What was the direct cause of the natural event? Explain your answer. (5 marks)
- (b) (i) How does the nature of the bedrock lead to the occurrence of the natural event? (4 marks)
- (ii) With reference to Figure 1b, describe and explain another factor leading to the natural event. (4 marks)
- (c) (i) How can concrete cover and tree planting help to prevent the natural event from happening? (2 marks)
- (ii) Which method mentioned in (c) (i) is more appropriate to be used in the area? Explain your answer. (2 marks)



2. Elective: Weather and Climate

Candidates attempting this question are NOT allowed to choose Question 6 in Section E.

Figure 2a shows the simplified weather chart of Hong Kong on a specific date. Figure 2b shows a natural hazard brought about by feature A at Tai O. Figure 2c shows the site of Tai O.



(a) Refer to Figure 2a.

(i) Name feature A. (1 mark)

(ii) Draw an annotated diagram to account for the formation of feature A. (5 marks)

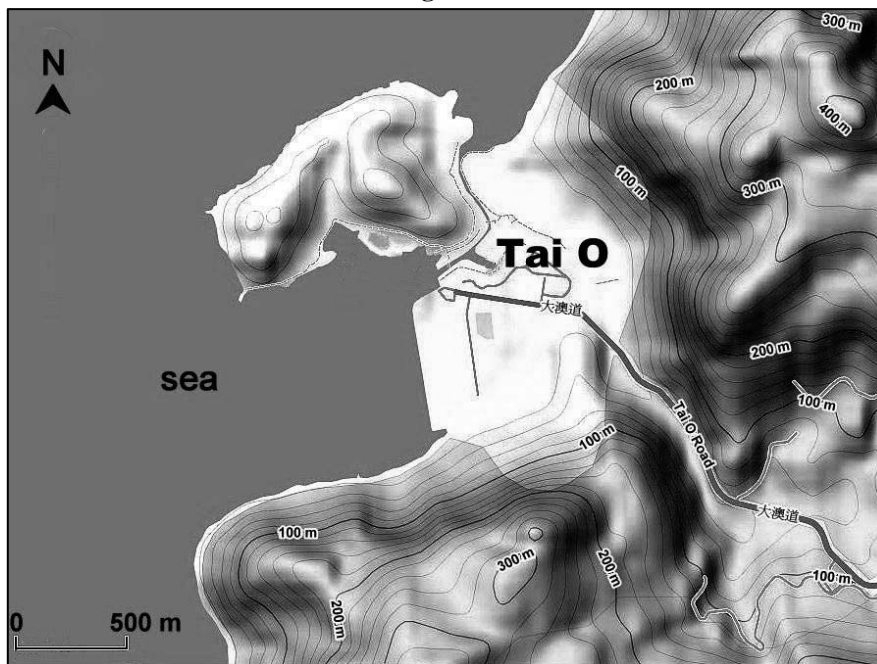
(b) (i) According to Figure 2a, describe the weather conditions of Hong Kong on that day. (3 marks)

(ii) How does feature A affect the weather conditions of Hong Kong in (b) (i)? (5 marks)

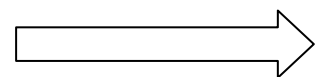
Figure 2b



Figure 2c



- (c) (i) Refer to Figures 2b and 2c. Describe how the local factors in Tai O may have intensified the hazard caused by feature A. (2 marks)
- (ii) Evaluate the effectiveness of using a warning system to reduce the damage caused by the hazard in Tai O. (2 marks)



3. Elective: Transport

Candidates attempting this question are NOT allowed to choose Question 7 in Section E.

Figure 3a shows some transport networks, airports, cities and industrial parks in the Zhujiang Delta. Table 3b shows some information about Hong Kong International Airport and Shenzhen Bao'an International Airport.

Figure 3a

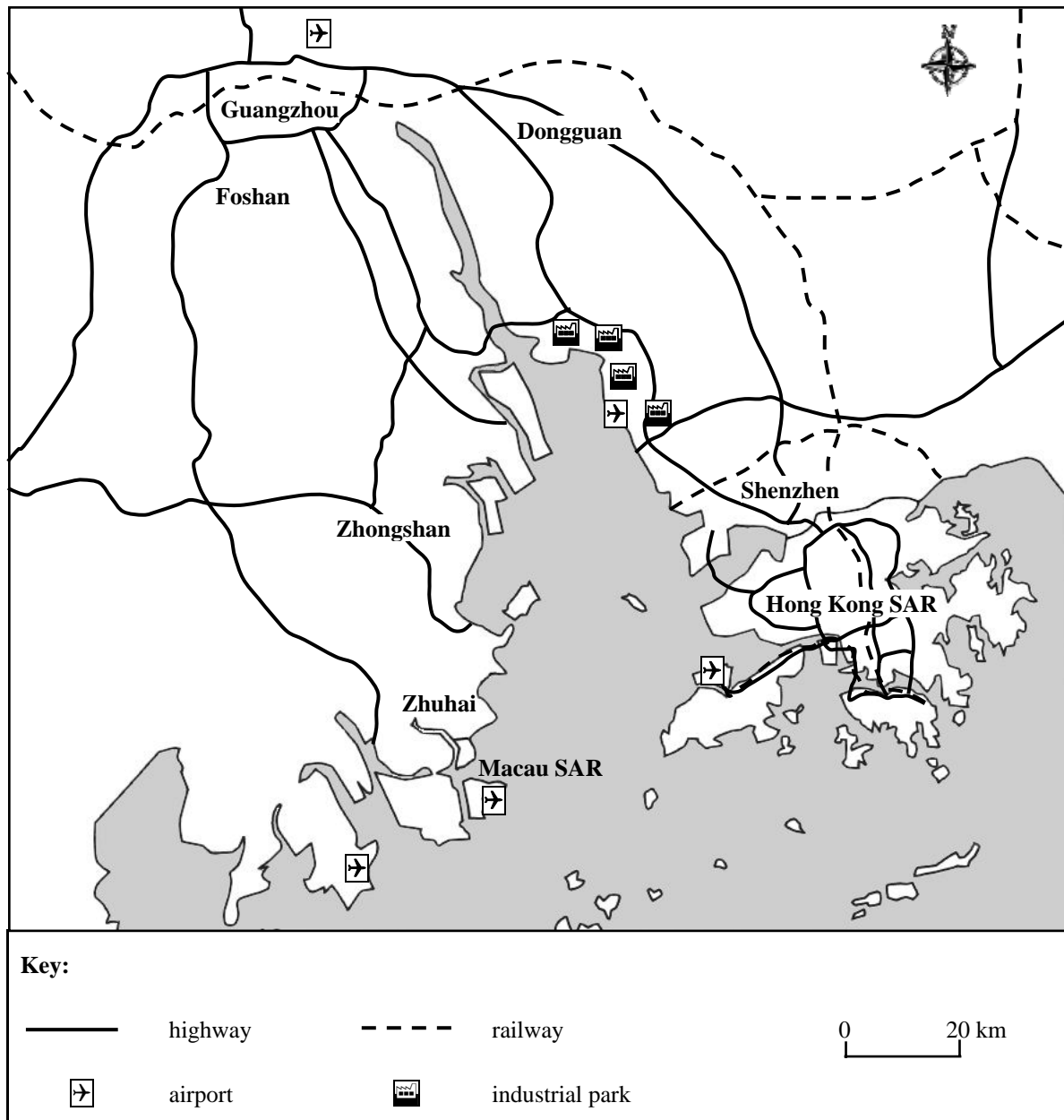


Table 3b

| | Hong Kong International Airport | Shenzhen Bao'an International Airport |
|---------------------------------------|--|--|
| Annual passengers ('0 000) | 4 300 | 2 000 |
| Routes | International: 115 Domestic: 45 | International: 10 Domestic: 50 |

- (a) Refer to Figure 3a.
- (i) Describe and explain the locational advantages of the Hong Kong International Airport. (4 marks)
- (ii) Despite the locational advantages of the Hong Kong International Airport, why does the Shenzhen Bao'an International Airport still have development potential? (4 marks)
- (b) Refer to Figure 3a and Table 3b. How can the two airports complement each other? (6 marks)
- (c) As the two airports can complement each other, why does Hong Kong still need to construct a third runway? (4 marks)

4. Elective: Regional Study of Zhujiang Delta

Candidates attempting this question are NOT allowed to choose Question 8 in Section E.

Figure 4a shows the topography and major cities of the Zhujiang Delta. Table 4b shows the climatic conditions of the Zhujiang Delta. Table 4c shows the population and economic conditions of Dongguan in 1989 and 2006.

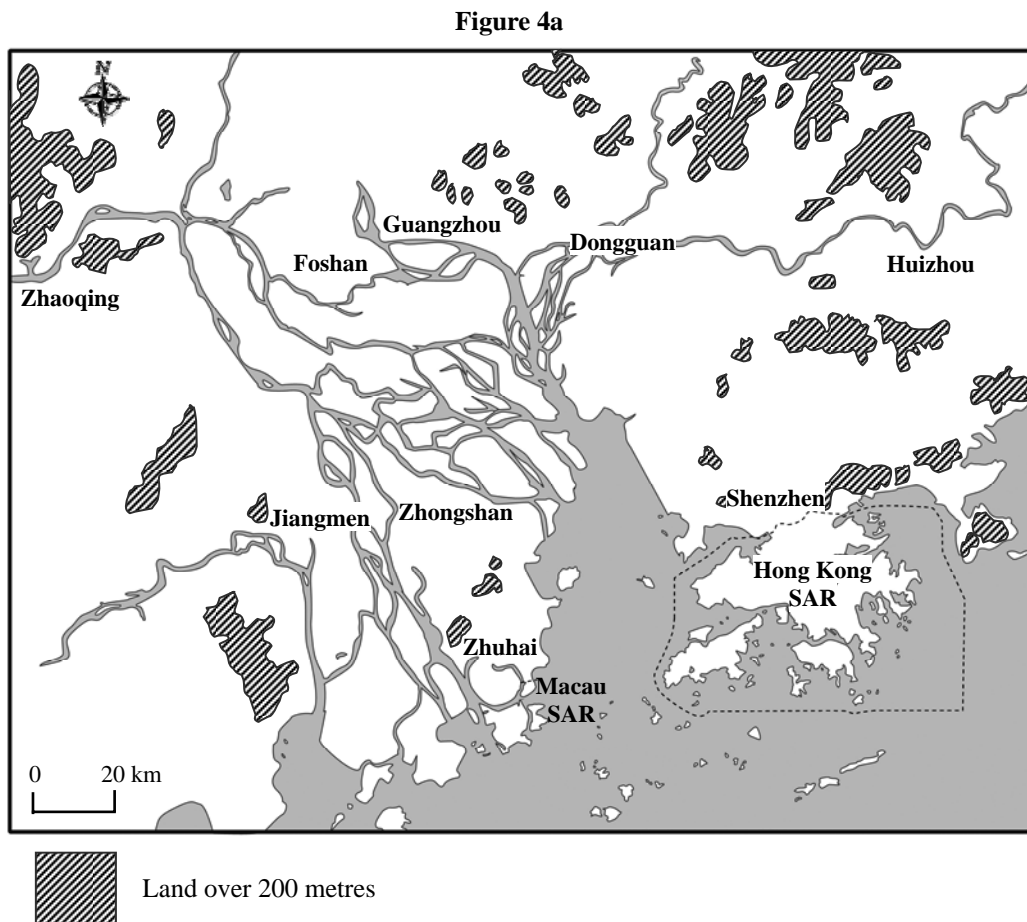


Table 4b

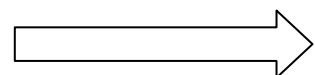
| | |
|-------------------------|-------------|
| Mean annual temperature | 22°C |
| Annual rainfall | 2 422 mm |
| Annual sunshine hours | 1 733 hours |

- (a) Refer to Figure 4a and Table 4b. Describe and explain the favourable factors for farming development in the Zhujiang Delta. (4 marks)

Table 4c

| | 1989 | 2006 |
|---|---------|------------|
| Population ('0 000) | 118.7 | 168.3 |
| Primary industry ('0 000 people) | 27.4 | 9.3 |
| Secondary industry ('0 000 people) | 21.6 | 46.0 |
| Tertiary industry ('0 000 people) | 10.1 | 29.4 |
| Total value of industrial production ('0 000 yuan) | 660 000 | 48 400 000 |
| Total farming area (hectares) | 59 333 | 33 000 |
| Total value of food (includes cereals and field crops) production ('0 000 yuan) | 35 488 | 4 882 |
| Farming area for food (hectares) | 12 842 | 4 084 |
| Total value of fruit production ('0 000 yuan) | 30 276 | 29 652 |
| Farming area for fruit (hectares) | 4 766 | 1 701 |

- (b) Refer to Table 4c.
- (i) Calculate the values of production per hectare for food and fruit in 2006. (2 marks)
- (ii) Explain the changes in farming areas and total production values of food and fruit. (5 marks)
- (c) (i) Using the data in Table 4c, draw the compound bar graph of population in different industries in Dongguan in 1989 and 2006 **on a piece of graph paper**. (3 marks)
- (ii) With reference to the different information in (c) (i), assess the prospect of farming development in the Zhujiang Delta region. (4 marks)



Section E: Answer ONE question from this section, which must be in a different elective from that chosen in Section D. Each question carries 12 marks.

5. Elective: Dynamic Earth

Candidates attempting this question are NOT allowed to choose Question 1 in Section D.

Why are rocks in the Sai Kung volcanic region distinctively different from those found in the Northeast New Territories sedimentary region? Evaluate the impact of faults on the landscape in these two regions.

(12 marks)

6. Elective: Weather and Climate

Candidates attempting this question are NOT allowed to choose Question 2 in Section D.

Explain how natural factors contribute to the drought problem in North China. To what extent can the local community help the government to combat drought?

(12 marks)

7. Elective: Transport

Candidates attempting this question are NOT allowed to choose Question 3 in Section D.

Explain the causes of traffic congestion in the inner city area of Hong Kong. Discuss whether the railway system can help to solve the problem of traffic congestion in the inner city area.

(12 marks)

8. Elective: Regional Study of Zhujiang Delta

Candidates attempting this question are NOT allowed to choose Question 4 in Section D.

Account for the change from labour-intensive industry to capital-intensive industry in the Zhujiang Delta region. Evaluate the impact of developing high-tech industries on sustainable development in the Zhujiang Delta region.

(12 marks)

END OF PAPER

Sources of materials used in this paper will be acknowledged in the *Hong Kong Diploma of Secondary Education Examination Practice Papers* published by the Hong Kong Examinations and Assessment Authority at a later stage.

鳴謝 Acknowledgements

本專輯的試題曾引用下列刊物 / 網站的資料：

Material from the following publications/web-sites has been used in question papers in this volume:

- | | |
|--|--|
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| LADATCO TOURS | Canopy Inkaterra < http://www.ladatco.com/rfd-resama%20canopy.htm > |
| OurAmazingPlanet.com | Charles Q. Choi , Volcanoes Could Trigger Bigger Climate Impact Than Thought, 11 July 2011 < http://www.ouramazingplanet.com/1544-climate-impact-volcanoes-eruptions.html > |

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| Survey and Mapping Office, Lands Department | Map Extract 1:20 000, Series HM20C, Sheet 6, Edition 15, 2011 Map Extract 1:20 000, Series HM20C, Sheet 10, Edition 14, 2011 The maps/aerial photograph were reproduced with permission of the Director of Lands. © The Government of Hong Kong SAR. Licence No. (to be available in a later stage) |
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| USA TODAY / USATODAY.com | Mike Tsukamoto, Volcano tourism heats up, 21 July 2003 < http://mediagallery.usatoday.com/Volcano-tourism-heats-up/G1543 > |
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| 網易新聞 | 香港大澳遭遇"小海嘯":水深有一層樓高(圖), 2008年9月25日 < http://news.163.com/08/0925/09/4MM6FUCC0001124J.html > |

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