PP-DSE GEOG PAPER 1

HONG KONG EXAMINATIONS AND ASSESSMENT AUTHORITY

Student Bounty Com HONG KONG DIPLOMA OF SECONDARY EDUCATION EXAMINATION

PRACTICE PAPER GEOGRAPHY PAPER 1

(2½ hours)

This paper must be answered in English

GENERAL INSTRUCTIONS

- This paper consists of **THREE** sections:
 - **Section A** consists of 40 multiple-choice questions. Answer **ALL** questions in this section.
 - Section B consists of 4 data / skill-based structured questions. Choose TWO questions only in this section.
 - **Section C** consists of 3 short essay questions. Choose **ONE** question only in this section.
- 2. Draw sketch maps and diagrams to supply additional, relevant information when appropriate.
- 3. A map extract is provided in this paper.
- 4. Answers to Section A should be marked on the Multiple-choice Answer Sheet. Answers to Sections B and C should be written in the Answer Book. In the Answer Book, start each question (not part of a question) on a new page. The Answer Sheet for Section A and the Answer Book for Sections B and C must be handed in separately at the end of the examination.

INSTRUCTIONS FOR SECTION A (MULTIPLE-CHOICE QUESTIONS)

- Read carefully the instructions on the Answer Sheet. After the announcement of the start of the examination, you should first stick a barcode label and insert the information required in the spaces provided. No extra time will be given for sticking on the barcode label after the 'Time is up' announcement.
- 2. When told to open this book, you should check that all the questions are there. Look for the words 'END OF **SECTION A'** after the last question.
- 3. All questions carry equal marks.
- 4. **ANSWER ALL QUESTIONS.** You are advised to use an HB pencil to mark all the answers on the Answer Sheet, so that wrong marks can be completely erased with a clean rubber. You must mark the answers clearly; otherwise you will lose marks if the answers cannot be captured.
- 5. You should mark only ONE answer for each question. If you mark more than one answer, you will receive NO MARKS for that question.
- 6. No marks will be deducted for wrong answers.

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Not to be taken away before the end of the examination session

Section A: There are 40 questions in this section. Answer ALL questions in this section. All the must be marked on the Answer Sheet. **Cong*(1:20 000) provided.

- In which of the following grid squares is a trellis drainage pattern?
 - 0074
 - В. 0179
 - С. 0277
 - 9877 D.
- 2. The area of Tsing Yi Island is approximately
 - 9 km^2 . Α.
 - 12 km^2 . Β.
 - C. 15 km^2 .
 - D. 18 km^2 .
- 3. The average gradient of the section of river from grid reference 997776 to the catchwater is
 - A. 1:2.1.
 - 1:2.4. B.
 - C. 1:2.7.
 - D. 1:3.0.
- 4. Which of the following are the locational advantages of the farmland at Tin Fu Tsai (grid square 9779)?
 - located in the lowland (1)
 - flat relief (2)
 - (3) direct access to the main road
 - (4) source of water for irrigation
 - (1) and (3) only A.
 - B. (2) and (4) only
 - C. (1), (2) and (3) only
 - D. (2), (3) and (4) only
- 5. Along grid references 000770 to 020770, we can find
 - (1) institutional land use.
 - (2) recreational land use.
 - transport land use. (3)
 - (4) residential land use.
 - (1) and (4) only A.
 - (1), (2) and (3) only B.
 - C. (2), (3) and (4) only
 - (1), (2), (3) and (4)

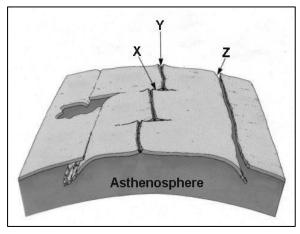


Which of the following CORRECTLY describe the formation of the landform features shown in the above diagram?

Landform feature	Formation
(1)	extrusive vulcanicity
(2)	folding
(3)	very slow cooling of magma
(4)	violent volcanic eruption

- A. (1) and (3) only
- B. (2) and (4) only
- C. (1), (2) and (4) only
- D. (1), (2), (3) and (4)





Which of the following descriptions about X, Y and Z are CORRECT?

		X	Y	Z
(1)	Feature	transform fault	mid-oceanic ridge	ocean trench
(2)	Type of force	shear force	tensional force	compressional force
(3)	Convection in mantle	convergence	divergence	convergence
(4)	Tectonic movement	lateral displacement	seafloor spreading	plate subduction

- A. (1) and (2) only
- B. (3) and (4) only
- C. (1), (2) and (4) only
- D. (1), (2), (3) and (4)

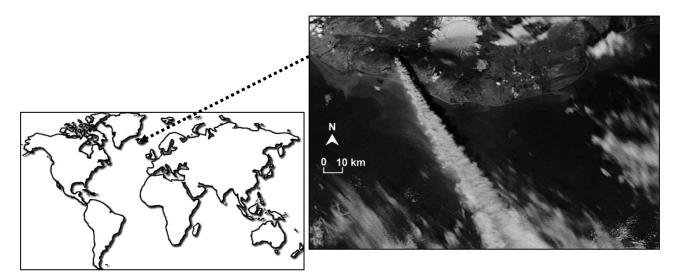
8. The table below shows the information of two earthquakes occurred at city X.

Γhe table below sh	ows the information o	of two earthquakes oc	ocurred at city X.	ou.
Distance from epicentre	Date/ Local time	Magnitude (Richter Scale)	Casualties	32
40 km	4 September 2010 (Saturday) 4:35 a.m.	7.1	approximately 100 injured, 2 serious	COM
10 km	22 February 2011 (Tuesday) 12:51 p.m.	6.3	 181 deaths 1500 – 2000 injuries, 104 serious 	

Which of the following statements CORRECTLY explain the higher casualties in the 2011 earthquake?

- The epicentre was closer to the city. (1)
- (2) The local residents were less aware of the potential danger.
- The structure of many buildings was already weakened in the previous earthquake. (3)
- The earthquake occurred during lunchtime on a weekday.
 - A. (1) and (3) only
 - (2) and (4) only B.
 - C. (1), (2) and (3) only
 - D. (2), (3) and (4) only

9.



Which of the following statements about the natural hazard in the above photograph are CORRECT?

- (1) Tectonic activities are active.
- The hazard was caused by the divergence of plates. (2)
- (3) The hazard will disrupt air transport.
- (4) Volcanic ash will block the sunlight.
 - A. (1) and (3) only
 - В. (2) and (4) only
 - C. (1), (3) and (4) only
 - D. (1), (2), (3) and (4)

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10.



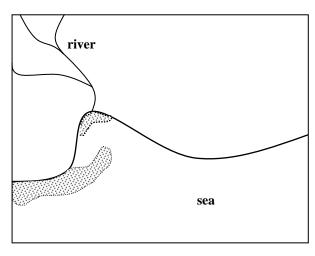
Which of the following measures DOES NOT help to reduce the loss caused by the natural hazard shown in the above photograph?

- A. insurance
- B. drilling
- C. warning system
- D. land use zoning
- 11. Which of the following are CORRECT comparisons between the upper course and the lower course of rivers?

		Upper course	Lower course
(1)	Gradient	large	small
(2)	Mean velocity of flow	high	low
(3)	Roundness of load	high	low
(4)	Roughness of river bed	high	low

- A. (1) and (4) only
- B. (2) and (3) only
- C. (1), (2) and (3) only
- D. (1), (2) and (4) only
- 12. Which of the following favours the development of deltas?
 - A. building of dams
 - B. returning farmland to lakes
 - C. deforestation at the upper course
 - D. cutting down of mangroves at the river mouth

Refer to the diagram below to answer Questions 13 and 14.





sand

- 13. What depositional landforms are shown in the diagram?
 - (1) beach
 - (2) sand spit
 - (3) sand bar
 - (4) tombolo
 - A. (1) and (2) only
 - B. (1) and (4) only
 - C. (2) and (3) only
 - D. (3) and (4) only
- 14. Which of the following are favourable physical conditions for the formation of the above depositional landforms?

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- (1) long fetch
- (2) existence of longshore drift
- (3) alluvium brought by the river
- (4) swash greater than backwash
 - A. (1) and (2) only
 - B. (3) and (4) only
 - C. (1), (2) and (4) only
 - D. (2), (3) and (4) only



Refer to the above photograph of an island in the northeast New Territories. Which of the following descriptions are CORRECT?

	Landform	Major coastal process
(1)	P	depositional
(2)	Q	depositional
(3)	R	erosional
(4)	S	erosional

- A. (1) and (2) only
- B. (1), (3) and (4) only
- C. (2), (3) and (4) only
- D. (1), (2), (3) and (4)
- 16. Why do transnational corporations set up their production plants in less developed countries?
 - (1) to open up new market
 - (2) to avoid trade barriers
 - (3) to gain access to market information
 - (4) to reduce production costs
 - A. (1) and (2) only
 - B. (1), (3) and (4) only
 - C. (2), (3) and (4) only
 - D. (1), (2), (3) and (4)

- (1) an abundant labour supply
- (2) rich reserves in iron ore and coal
- a well-developed transport system (3)
- (4) a long history of industrial development
 - (1) and (2) only
 - B. (1), (3) and (4) only
 - C. (2), (3) and (4) only
 - (1), (2), (3) and (4)
- What are some possible factors for the high concentration of IT firms in Silicon Valley, California?
 - (1) low wages
 - (2) abundant raw materials
 - (3) close to research institutes
 - (4) with agglomeration economies
 - A. (1) and (2) only
 - B. (3) and (4) only
 - C. (1), (3) and (4) only
 - D. (1), (2), (3) and (4)



The above photograph shows a factory in the suburb. Which of the following are explanations of this location?

- low land rent (1)
- (2) pleasant environment
- (3) well-connected transport system
- (4) low population density
 - (1) and (2) only A.
 - (3) and (4) only В.
 - C. (1), (2) and (3) only
 - D. (1), (2), (3)and (4)

Which of the following pairs of comparisons are CORRECT?

			12.	
			Stude	
			8	
				10
	c coppede			
h of the following pairs	of comparisons are CORRECT?		•	30
h of the following pairs	of comparisons are CORRECT? Iron and steel industry	IT industry	7	CHIL
h of the following pairs Labour		IT industry skilled	}	CHALL
	Iron and steel industry	•]	SOUNTY.CO
Labour	Iron and steel industry unskilled	skilled		SOUNES.CO

- A. (1) and (3) only
- B. (2) and (4) only
- C. (1), (2) and (4) only
- D. (1), (3) and (4) only



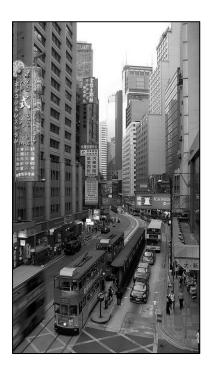


Which of the following are the causes of the problem shown in the above photograph?

- (1) shortage of land
- (2) out-migration of people
- lack of employment opportunities (3)
- (4) remote location
 - A. (1) and (2) only
 - B. (3) and (4) only
 - C. (2), (3) and (4) only
 - D. (1), (2), (3) and (4)
- Which of the following are the advantages of using reclamation as a means to solve the problem of land 22. shortage in Hong Kong?
 - (1) land acquisition is not necessary
 - (2) more land is available for future development
 - (3) favourable for the expansion of port-related activities
 - (4) no pollution is created
 - (1) and (4) only A.
 - B. (2) and (3) only
 - C. (1), (2) and (3) only
 - D. (1), (2), (3)and (4)

- 23. Why do many buildings in the inner city areas lack proper maintenance?
 - (1) The tenants lack money.
 - (2) The owners are not willing to invest money on maintenance.
 - (3) The tenants are not aware of the poor conditions of the buildings.
 - (4) It is the government's responsibility to carry out the maintenance work.
 - A. (1) and (2) only
 - B. (3) and (4) only
 - C. (1), (2) and (4) only
 - D. (1), (2), (3) and (4)

24.



Which of the following may affect the air pollution index of the area in the above photograph?

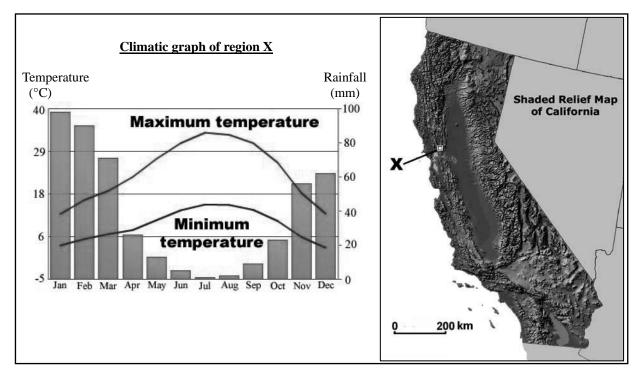
- (1) exhaust from transport means
- (2) high buildings block the dispersal of pollutants
- (3) carbon monoxide from air-conditioning systems of buildings
- (4) suspended particles from factories in the area
 - A. (1) and (2) only
 - B. (3) and (4) only
 - C. (1), (2) and (4) only
 - D. (1), (2), (3) and (4)

	1991	2001	2011
Urban population (million)	22	25	36
Total population (million)	84	100	118

The above table shows the population changes of country A from 1991 to 2011. Which of the following CORRECTLY describe the population changes in country A?

- (1) continuous decrease in rural population
- (2) continuous increase in urban population
- (3) continuous drop in the population growth rate
- (4) continuous rise in the level of urbanisation
 - A. (1) and (4) only
 - B. (2) and (3) only
 - C. (1), (2) and (3) only
 - D. (1), (2) and (4) only

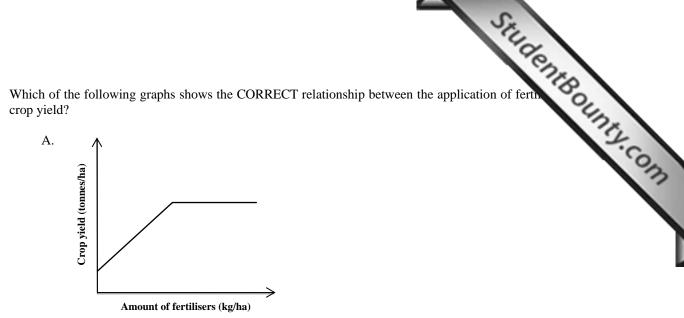
26.

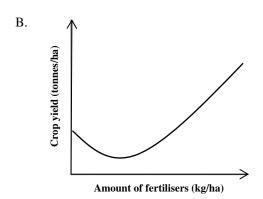


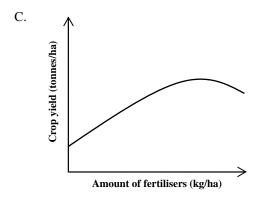
The above diagram shows the climate and relief of region X in California. CORRECT descriptions of the problems faced by the farmers in region X?

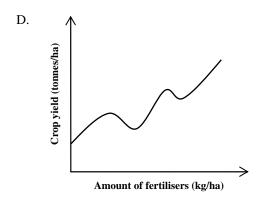
Which of the following are the

- (1) short frost-free days
- (2) high risk of drought
- (3) lack of extensive lowland
- (4) large annual range of temperature
 - A. (1) and (4) only
 - B. (2) and (3) only
 - C. (2), (3) and (4) only
 - D. (1), (2), (3) and (4)









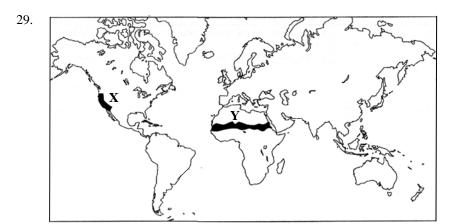
A. B. C. D.



Which of the following CORRECTLY matches the physical constraints of the farming activity shown in the above photograph and the solution adopted by local farmers?

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Physical constraints	Solutions
dust storm	plant windbreaks
drought	install drip irrigation
drying up of waterhole	tap underground water
low carrying capacity	practise transhumance



Which of the following are CORRECT comparisons between farming in regions X and Y in the above map?

		X	Y
(1)	Farming type	mainly arable	mainly pastoral
(2)	Climate	warm and wet	hot and dry
(3)	Market	local and overseas	local
(4)	Technological input	lower	higher

- A. (1) and (3) only
- B. (2) and (4) only
- C. (1), (3) and (4) only
- D. (1), (2), (3) and (4)

- SHILDENT BOUNTY.COM Which of the following may increase the risk of famine in less developed countries?
 - (1) climatic anomalies
 - (2) lack of farm labour
 - more farmlands for biofuels (3)
 - (4) land degradation
 - A. (1) and (2) only
 - B. (1), (3) and (4) only
 - C. (2), (3) and (4) only
 - (1), (2), (3) and (4)
- Which of the following are CORRECT descriptions of the trees in the emergent layer of tropical rainforests?

	Part	Characteristic	Adaptation
(1)	trunk	tall	strive for sunlight
(2)	canopy	lateral development	absorb more sunlight
(3)	roots	shallow	absorb nutrients from top soil
(4)	leaves	small	drain away excessive water

- (1) and (2) only A.
- В. (1), (2) and (3) only
- C. (1), (3) and (4) only
- D. (2), (3) and (4) only
- Transnational corporations can reduce damage to the tropical rainforests by
 - (1) using recycled paper.
 - (2) refusing to use timber from primary forests.
 - (3) cooperating with the governments of less developed countries to set up national parks.
 - (4) subsidising environmental organisations to conserve the rainforests.
 - (1) and (2) only A.
 - B. (3) and (4) only
 - C. (1), (2) and (4) only
 - (1), (2), (3) and (4)
- 33. Which of the following are favourable growing conditions for vegetation in tropical rainforests?
 - (1) small diurnal range of temperature
 - (2) high amount of annual rainfall
 - (3) fertile soil
 - (4) abundant sunshine
 - A. (1) and (4) only
 - (2) and (3) only B.
 - C. (1), (2) and (4) only
 - D. (2), (3) and (4) only

- Student Bounty.com Which of the following is NOT a likely impact of exploiting the tropical rainforest on the native pe
 - a reduction in rainforest resources
 - B. a decrease in employment opportunities
 - C. loss of traditional culture
 - D. an improvement in external transport

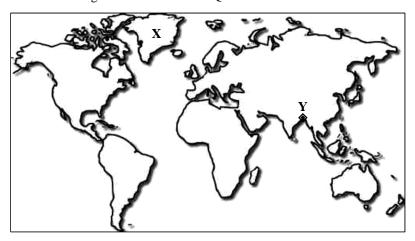
35.



The above photograph shows a canopy walk in the tropical rainforest. What effect will this activity have on the tropical rainforest regions?

- increasing the economic benefits
- (2) raising awareness of rainforest conservation
- (3) creating disturbance to the living organisms at the canopy
- (4) reducing biodiversity
 - A. (1) and (2) only
 - B. (3) and (4) only
 - C. (1), (2) and (3) only
 - D. (1), (2), (3) and (4)
- What impact will global warming have on the coastal ecosystem?
 - coral bleaching (1)
 - (2) increasing damage by storms
 - increasing pH value of seawater (3)
 - retreating of coastline (4)
 - A. (1) and (4) only
 - B. (2) and (3) only
 - C. (1), (2) and (4) only
 - (1), (2), (3)and (4)

Refer to the diagram below to answer Questions 37 and 38.



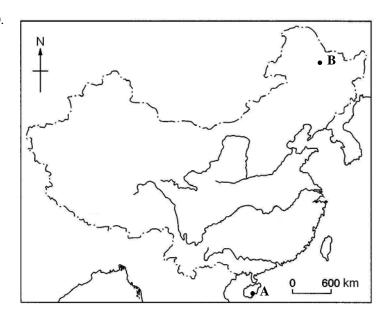
- 37. Which of the following will NOT be an impact of global warming on area X?
 - A. more pests
 - B. more typhoons
 - C. more fresh water resources
 - D. longer growing seasons of crops
- 38. Which of the following is NOT a reason for area Y to be prone to the impact of climatic changes?

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- A. coastal location
- B. high population density
- C. low economic level
- D. large amount of greenhouse gases emission
- 39. Which of the following are greenhouse gases?
 - (1) methane
 - (2) carbon monoxide
 - (3) carbon dioxide
 - (4) nitrous oxide
 - A. (1) and (3) only
 - B. (2) and (4) only
 - C. (1), (2) and (4) only
 - D. (1), (3) and (4) only

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40.



The above map shows the locations of cities A and B. Which of the following comparisons CORRECTLY describe the insolation characteristics of city A and city B in July?

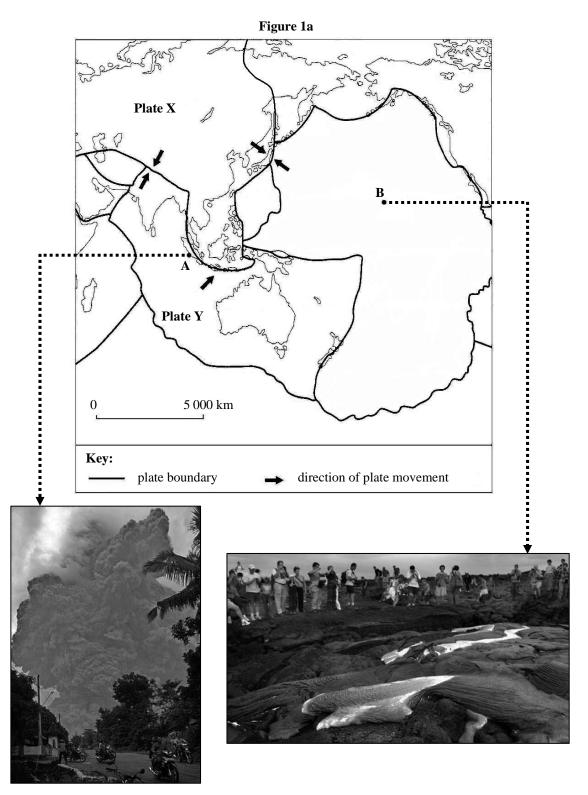
		City A	City B
(1)	Amount of insolation	more	less
(2)	Angle of insolation	larger	smaller
(3)	Extent of sunshine	larger	smaller
(4)	Duration of sunshine	longer	shorter

- A. (1) and (2) only
- B. (3) and (4) only
- C. (2), (3) and (4) only
- D. (1), (2), (3) and (4)

END OF SECTION A

shows some information about the tectonic hazard at region B.

Student Bounty.com 1. Figure 1a shows the locations of regions A and B where a tectonic hazard occurs frequently. Figure 1b



Refer to Figure 1a. (a)

> Name plates X and Y. (i)

SHIIdenHounty.com (ii) How is the location of the tectonic hazard at region B different from that at region A?

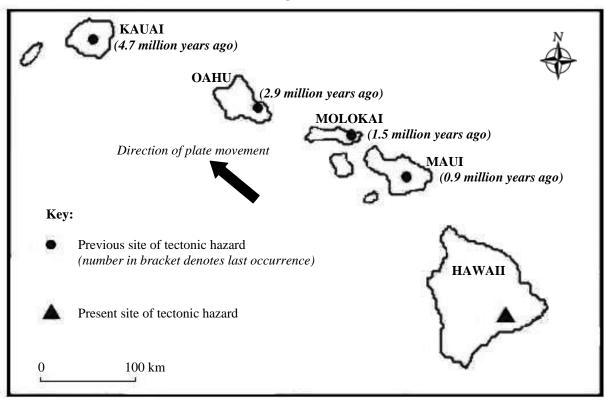
(1 mark)

(iii) Explain the occurrence of the tectonic hazard at region A.

(6 marks)

(iv) Compare and contrast the impact of the tectonic hazard at regions A and B. (4 marks)

Figure 1b



Refer to Figures 1a and 1b. Explain how the tectonic hazard changes with time and space.

(5 marks)

Student Bounty.com 2. Study the map extract of Hong Kong (1:20 000) provided. A student used the map extract for a r on Tsing Yi Island. Grid squares 9974 and 0274 show the heavy industrial district and light indudistrict on Tsing Yi Island respectively. Table 2 shows some records of the field study.

Table 2

RECORD FORM OF FIELD STUDY

Date: day / month / 2011 Time: 2 p.m. to 4 p.m.

Site: Tsing Yi Island (grid square 0274)

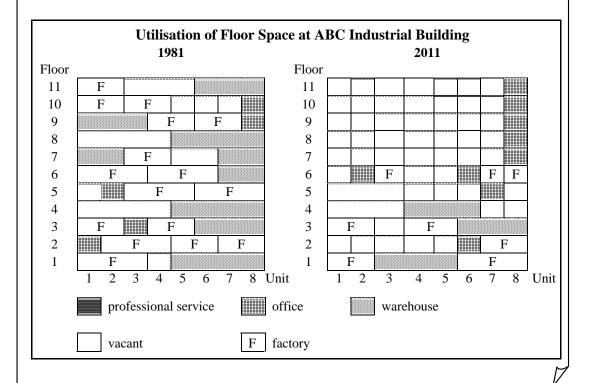
Issues for Enquiry

- Land use changes of light industrial district on Tsing Yi Island in the past 30 years
- Study on the feasibility of developing the district into an IT industrial district

Record of Information

Interview with a security officer of ABC Industrial Building:

- floors in the 1980s mainly occupied by textile, garment and dyeing factories
- large factory with considerable scale
- most factories moved to the Mainland in the 1990s

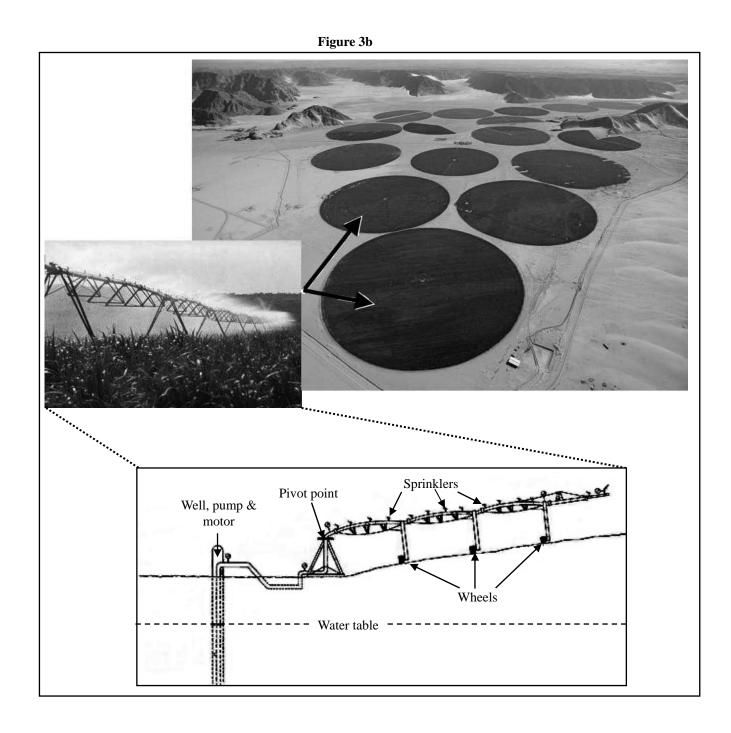


(a)	Study the map extract (1:20 000) provided. Using map evidence, the development of heavy industries in grid square 9974.	explain the favourable to (6 m)
(b)	Study Table 2.	Y.COM
	(i) Describe the changes of economic activities in the area in the	past 30 years. (2 marks)
	(ii) Explain the changes of economic activities in (b) (i).	(2 marks)
(c)	The student suggested developing the area of grid square 0274 in map evidence, discuss the	nto an IT industrial district. Using
	(i) advantages; and	(4 marks)
	(ii) limitations	(4 marks)

of developing IT industry in the area.

Table 3a

3. Table 3a shows the climatic information of area X in a less developed country. Figure 3b savenum example of farming technology.													
Table 3a													
Month	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	3
Mean temperature (°C)	23.5	26.0	30.0	33.0	33.0	31.0	28.0	26.5	28.0	29.0	27.0	24.5	
Rainfall (mm)	0	0	0.3	10.3	25.8	50.3	144.0	174.4	84.3	20.3	0.1	0	1



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Defente Toble 20	

- (a) Refer to Table 3a.
 - (i) On a piece of graph paper, draw the climatic graph of area X.

(4 marks)

(ii) What climatic constraints might the farming activities in area X encounter?

(3 marks)

- (b) Refer to Table 3a and Figure 3b.
 - (i) Explain how the farming technology shown in Figure 3b alleviates the climatic constraints in area X. (3 marks)
 - (ii) What positive and negative socio-economic impact might the technology shown in Figure 3b bring to area X? (4 marks)
- (c) Evaluate the effectiveness of adopting genetic modification technology to alleviate the climatic constraints of farming in area X. (4 marks)

4. Photographs in Figure 4a were taken in Switzerland in three different years. Figure 4b shows the consumption in China from 1990 to 2009.

Student Bounty Com Figure 4a

Figure 4b Millions tonnes coal equivalent Year ← Coal ★ Natural Gas O Oil
HEP, nuclear & wind

(a) Refer to Figure 4	1a

Describe the changes of the natural environment. (i)

Student Bounts, com (ii) Account for the short-term and long-term impact on the farming community nearby brought by the changes in the natural environment. (5 marks)

Refer to Figure 4b.

- (i) Describe the trend of the energy consumption in China since 1990. (2 marks)
- (ii) In terms of the atmospheric energy budget, how does the trend of energy consumption in China associate with the changes of the natural environment in Switzerland? (5 marks)
- (iii) Comment on the strategies of energy consumption that the Chinese government could adopt to slow down the changes described in (a) (i). (4 marks)

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

5. The government may adopt hard or soft strategies to protect coasts.

StudentBounts.com Explain how hard strategies protect coasts. Using beach nourishment as an example, discuss whether soft strategies are more effective than hard strategies in the protection of coasts. (12 marks)

- 6. In what ways have the concepts of sustainable development been applied to urban renewal projects in Hong Kong? Comment on the difficulties that the HKSAR Government faces in adopting these concepts in urban renewal. (12 marks)
- 7. Explain the relative importance of biomass in the nutrient cycle of tropical rainforests. Discuss how (12 marks) modern farming practices affect the nutrient cycle in tropical rainforests.

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.

PP-DSE-GEOG 1-26

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PP-DSE GEOG

PAPER 2

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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.

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Not to be taken away before the end of the examination session

elective from that

Section D: Answer ONE question from this section, which must be in a different elective from that in Section E. Each question carries 18 marks.

1. Elective: Dynamic Earth

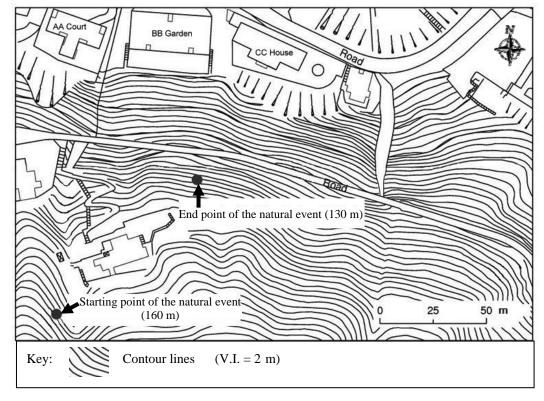
Candidates attempting this question are NOT allowed to choose Question 5 in Section E.

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

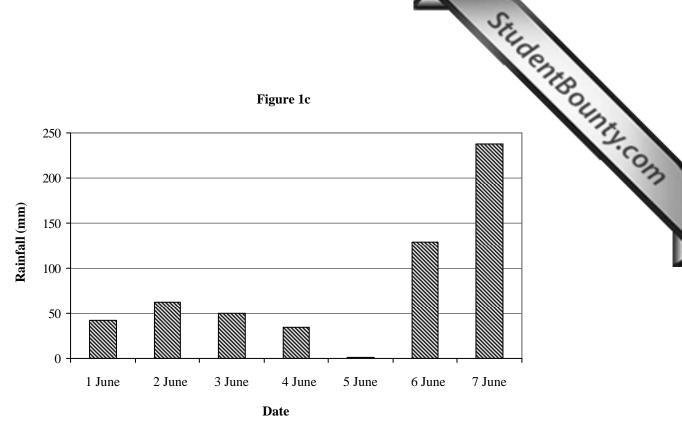
The Site	
Location	northern part of Hong Kong Island
Nature of slope	unpaved filled slope
Bedrock	granite
The Natural Event	
Runout distance	80 m
Materials involved	filled materials, soil and loose rock fragments
Volume of materials involved	200 m ³
Damages	a security booth and a section of concrete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

Figure 1b



PP-DSE-GEOG 2-2

Figure 1c



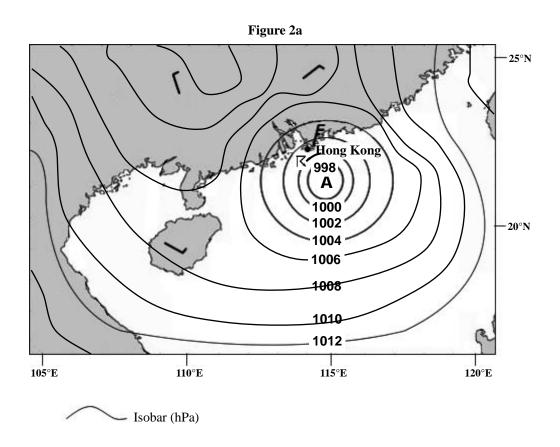
Refer to Table 1a, Figure 1b and Figure 1c.

- (a) (i) Identify the natural event. (1 mark)
 - What was the direct cause of the natural event? Explain your answer. (ii) (5 marks)
- How does the nature of the bedrock lead to the occurrence of the natural event? (4 marks) (b) (i)
 - (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)
 - 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.

Student Bounty.com 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.



Refer to Figure 2a.

Name feature A. (1 mark) (i)

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

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

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

Figure 2b

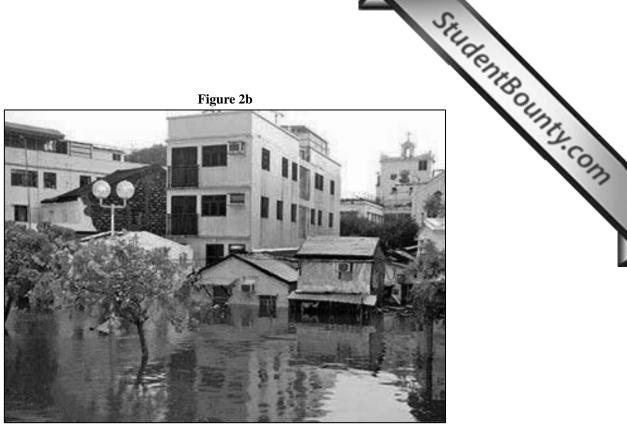
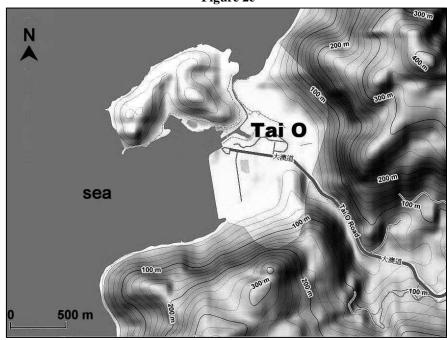


Figure 2c



- (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)
 - Evaluate the effectiveness of using a warning system to reduce the damage caused by the hazard (ii) in Tai O. (2 marks)

PP-DSE-GEOG 2-5

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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

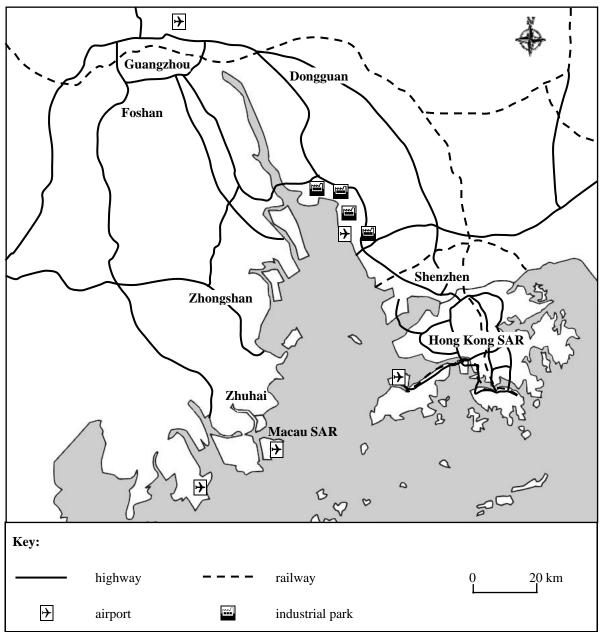


	Table 3b	StudentBour
	Hong Kong International Airport	Shenzhen Bao'an International Airport
Annual passengers ('0 000)	4 300	2 000
Routes	International: 115 Domestic: 45	International: 10 Domestic: 50

- Refer to Figure 3a. (a)
 - Describe and explain the locational advantages of the Hong Kong International Airport. (i)

(4 marks)

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

PP-DSE-GEOG 2-7

Go on to the next page

7

4. Elective: Regional Study of Zhujiang Delta

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

Student Bounty.com 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.

Figure 4a Guangzhou Dongguan: Huizhou Foshan Zhaoqing Jiangmen Zhongshan Hong Kong Zhuhai 20 km

Table 4b

Land over 200 metres

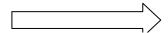
Mean annual temperature	22°C
Annual rainfall	2 422 mm
Annual sunshine hours	1 733 hours

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

Table 4c		2006 168.3 9.3 46.0
	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 Tal	ble 4c

- Calculate the values of production per hectare for food and fruit in 2006. (2 marks) (i)
- (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)
 - With reference to the different information in (c) (i), assess the prospect of farming development (ii) in the Zhujiang Delta region. (4 marks)



han dinney.com Section E: Answer ONE question from this section, which must be in a different elective from that 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.

PP-DSE-GEOG 2-10

Acknowledgements

本專輯的試題曾引用下列刊物/網站的資料:

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ThisFabTrek.com Cattle at waterhole

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