

FUKIEN SECONDARY SCHOOL
S5 Final Examination (2020-2021)
Geography Paper 1
(2 hours 30 minutes)

Date: 15th June 2021

Time: 8:30 a.m. - 11:00 a.m.

Name: _____

Class: _____ No.: _____

GENERAL INSTRUCTIONS

1. This paper consists of **THREE** sections:
Section A — consists of 12 multiple-choice questions. Answer **ALL** questions in this section.
Section B — consists of 3 data/skill-based structured questions. Choose **TWO** questions only in this section.
Section C — consists of 2 short essay questions. Choose **ONE** question only in this section.
2. Draw sketch maps and diagrams to supply additional, relevant information when appropriate.
3. Answers to all sections should be written in the Answer Book. In the Answer Book, start each question (not part of a question) on a new page.

Section A: There are 12 questions in this section. All answers must be marked in the Answer Book. (12 marks)

1. What is the farming method shown in the photo below?



- A. Hydroponics
- B. Intercropping
- C. Mixed farming
- D. Extensive farming

2. Which of the following comparisons on farming between the Sahel and southern California is/are correct?

	The Sahel	Southern California
(1)	Specialise in rearing one animal species	Specialise in growing one or two crops
(2)	Adapt to the environment	Modify the environment
(3)	Farm produce sold at local market only	Farm produce sold in California only

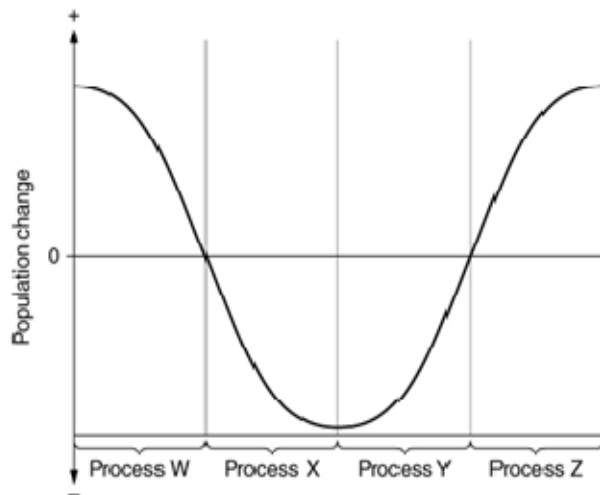
- A. (1) only
- B. (2) only
- C. (1) and (3) only
- D. (2) and (3) only

3. Which of the following can be done in order to make Hong Kong a sustainable city?

- (1) Developing a compact urban form
- (2) Creating platforms for public consultation
- (3) Developing country parks for housing estates

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

4. The figure below shows the processes of urban development of a city. What is Process Z?



- A. Urbanisation
 - B. Suburbanisation
 - C. Counter-urbanisation
 - D. Reurbanisation
5. Which of the following descriptions about tropical rainforests are correct?
- (1) Infertile soil
 - (2) High biodiversity
 - (3) Serious soil erosion
- A. (1) and (2) only
 - B. (1) and (3) only
 - C. (2) and (3) only
 - D. (1), (2) and (3)
6. Which of the following are the effects of deforestation on the nutrient cycle of tropical rainforests?
- (1) Decreasing the nutrient store in biomass
 - (2) Decreasing the nutrient store in litter
 - (3) Increasing the nutrient store in soil
- A. (1) and (2) only
 - B. (1) and (3) only
 - C. (2) and (3) only
 - D. (1), (2) and (3)

7. Which of the following statements about the structure of the earth are correct?

- (1) The oceanic crust is denser than the continental crust.
- (2) The asthenosphere is a layer in plastic state.
- (3) The plates, the mantle and the core are the three layers of the earth.

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

8. Which of the following descriptions about the photo below are correct?



- (1) There are folds.
- (2) Tensional force occurs here.
- (3) There is vertical displacement of rock layers.

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

9. Which of the following is the reason for the relocation of the iron and steel industry in China from the inland to the coastal regions?

- A. To facilitate export
- B. To be closer to coal mine
- C. To enjoy tax incentives
- D. To benefit from lower labour cost

10. Which of the following are the correct descriptions of mobile phone industry?

- (1) Weight-losing industry
- (2) Fabricating industry
- (3) High-tech industry

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

11. Which of the following gases absorb long-wave radiation from the earth's surface?

- (1) Water vapour
- (2) Carbon dioxide
- (3) Chlorofluorocarbons

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

12. Which of the following are the pieces of evidence of global warming?

- (1) Retreating glaciers
- (2) Melting of sea ice
- (3) Expanding deserts

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

Section B: Answer TWO questions from this section. (36 marks)

1. Figure 1a shows the locations of earthquakes that occurred in areas X and Y in April 2016. Figure 1b shows the photos of areas X and Y before the earthquake. Table 1c shows information about the two earthquakes.

Figure 1a

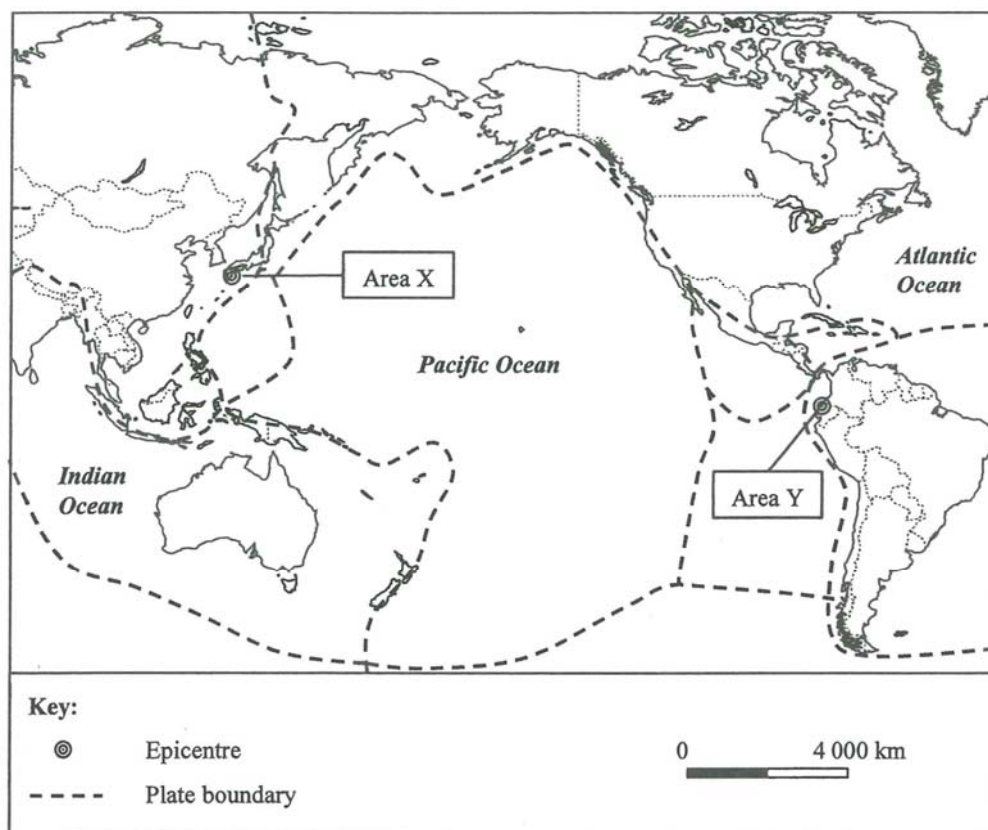


Figure 1b



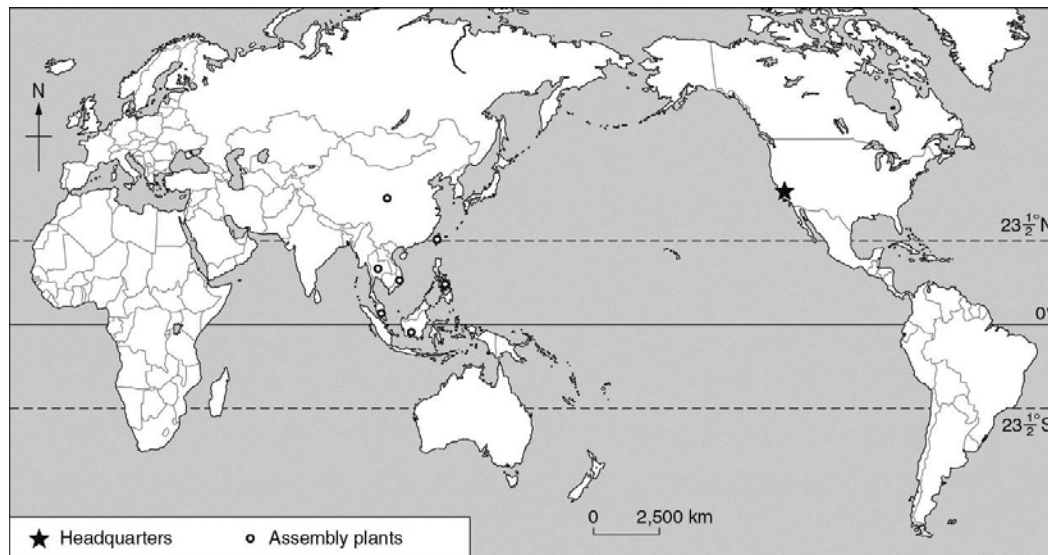
Table 1c

Area	Date	Magnitude (Richter scale)	Depth of focus(km)	Death toll	Economic loss (billion USD)	*GDP per capita (USD)	*Number of earthquakes measured above 7 on the Richter scale in the last 10 years
X	15 April 2016	7.0	10.0	41	3.5	38 895	13
Y	16 April 2016	7.8	20.6	676	3.0	5 969	2

*Data of the country

- (a) Refer to Figure 1a. Answer the following questions with reference to the plate tectonics theory.
- (i) Compare the locations of earthquakes in areas X and Y. (2 marks)
 - (ii) Account for the occurrence of the earthquake in area Y. (4 marks)
- (b) Refer to Figure 1b and Table 1c.
- (i) Describe the differences in losses between the earthquakes of areas X and Y. (2 marks)
 - (ii) Quoting evidence from Figure 1b and Table 1c, explain the differences mentioned in question (b)(i). (6 marks)
- (c) Refer to Figure 1a and Table 1c. The earthquakes in areas X and Y occurred on two consecutive days.
- Discuss whether the earthquake in area X might have triggered the earthquake in area Y. (4 marks)

2. Figure 2a shows the locations of the headquarters of Apple Inc. and the assembly plants of iPhone. Table 2b shows the costs of some production factors in 2001 and 2018. Figure 2c is a newspaper clipping about the recent relocation of production work of Apple Inc..

Figure 2a**Table 2b**

	2001	2018	Change (%)
¹ Average price of crude oil (USD/barrel)	26	65	X
² Hourly wage of a manufacturing worker in China (USD)	0.57 (2002)	5.51	+867%
² Hourly wage of a manufacturing worker in India (USD)	0.71	0.92 (2014)	+30%
³ Hourly wage of a manufacturing worker in the USA (USD)	18.9	27.3	Y

Source: ¹US Energy Information Administration, ²various sources, ³Bureau of Labour Statistics, US Department of Labour

Figure 2c

According to a study, Apple has reshored 22,200 jobs in the USA. In early 2018, an Apple spokesperson said the company plans to spend more than US\$30 billion in buying, maintaining and improving the equipment and buildings, etc. in the USA within the next five years...

Source: Online news in June 2018

- (a) Refer to Figure 2a. Account for the distribution of the assembly plants of Apple Inc.. (5 marks)
- (b) (i) Refer to Table 2b. Find out the values of X and Y. (2 marks)
- (ii) With reference to the answers in question (b)(i), explain why the industrial relocation shown in Figure 2c has taken place. (2 marks)
- (iii) Explain how the USA can be benefited from such the industrial relocation. (4 marks)
- (c) *Due to the trade conflict between the USA and China, Apple plans to shift some assembling work of iPhone from China to India.*

With reference to Table 2b, discuss whether this is a better decision than relocating the assembling work back to the USA. (5 marks)

3. Photos 3a and 3b show part of Area A in 2010 and 2021 respectively. Figure 3c shows the land use of Area B in suburb.

Photo 3a



Photo 3b



Figure 3c

- (a) Refer to Photo 3a. Describe the urban problems found in Area A. (4 marks)
- (b) Refer to Photo 3b.
- Identify the urban renewal strategy taken place in Area A. (1 mark)
 - What are the merits of the urban renewal strategy mentioned in question (b)(i)? (4 marks)
 - What are the demerits of the urban renewal strategy mentioned in question (b)(i)? (4 marks)
- (c) Refer to Figure 3c.
- Recently, many people have moved from Area A to Area B. Identify the name of this process of urban development. (1 mark)
 - Quoting map evidence, explain the advantages of living in Area B. (4 marks)

Section C: Answer ONE question from this section. (12 marks)

1. Account for the increasing greenhouse gas emissions in less developed countries. Discuss the constraints encountered by less developed countries in reducing greenhouse gas emissions.
(12 marks)

2. Describe the ecological impact of large-scale deforestation in tropical rainforests on the local environment. Discuss whether sustainable development of tropical rainforests can be achieved in less developed countries.
(12 marks)

END OF PAPER