

FUKIEN SECONDARY SCHOOL
S2 First Term Examination (2020-2021)
Geography
(1 hour)

Date: 14th January 2021

Name: _____

Time: 8:30 a.m. - 9:30 a.m.

Class: _____ No.: _____

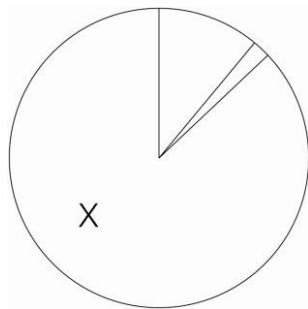
Instructions to Candidates:

1. The full mark of this paper is 100.
2. Write **ALL** answers on the answer sheets provided.
3. Hand in both the question paper and the answer sheets at the end of the examination.

I. Multiple Choice Questions (18 marks)

Choose the best answers and put a ✓ in the correct boxes on the answer sheets.

1. The graph below shows the distribution of usable surface waters on the Earth. What is X?



- A. Rivers
B. Underground water flow
C. Sea water
D. Lakes
2. Which of the following processes of water cycle would decrease after urbanization?
- (1) Infiltration
(2) Underground water flow
(3) Surface runoff
- A. (3) only
B. (1) and (2) only
C. (2) and (3) only
D. (1), (2) and (3)

3. Which of the following is / are the physical cause(s) of flooding in China?

- (1) Strong summer monsoon
- (2) Reclamation of lakes
- (3) Poor management of water resources

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

4. Which of the following countries has the greatest threat of water shortage?

- A. Australia
- B. Brazil
- C. India
- D. Russia

5. Which of the following are the impacts of water pollution?

- (1) Reduce freshwater supply
- (2) Cause health problems
- (3) Lower living standard

- 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 comparisons about the processes of water cycle are correct?

	Rural areas	Urban areas
(1) Transpiration	More	Less
(2) Infiltration	More	Less
(3) Groundwater storage	Less	Less

- 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 river sections does flooding usually occur?

- (1) The upper course
- (2) The middle course
- (3) The lower course

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

8. The water resources in China decrease from the ____a____ to the ____b____.

	a	b
A.	southwest	northeast
B.	northeast	southwest
C.	northwest	southeast
D.	southeast	northwest

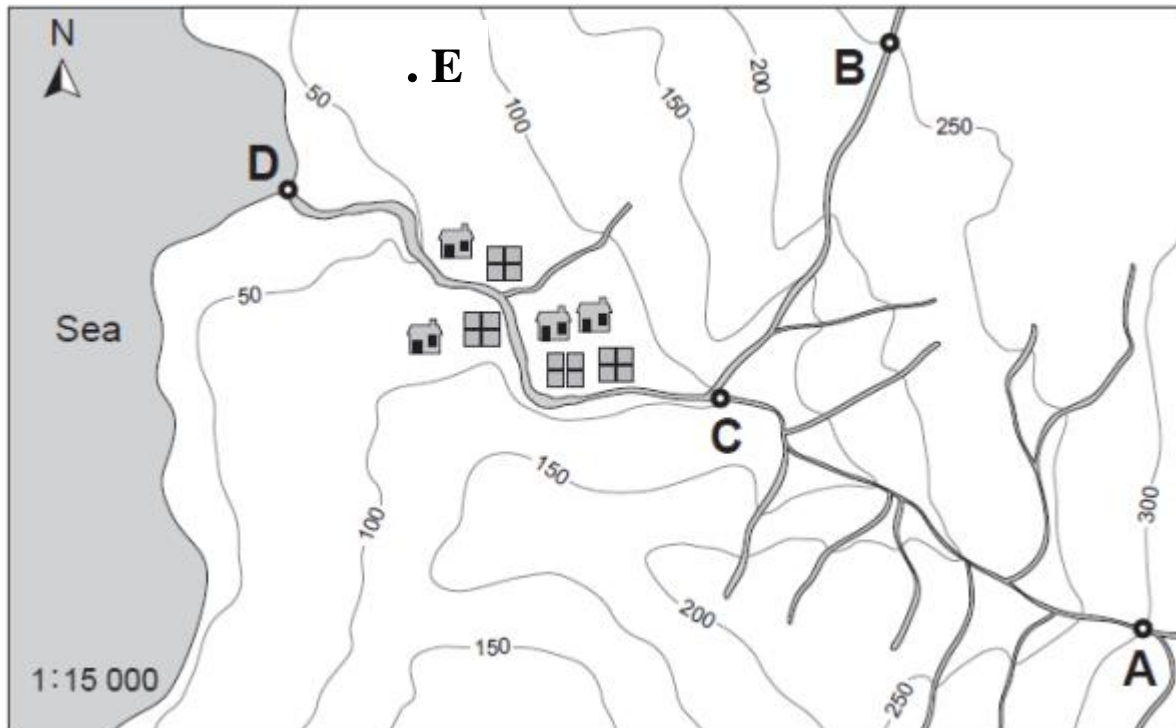
9. Which of the following comparisons between afforestation and deforestation are correct?

		Afforestation	Deforestation
(1)	Transpiration	More	Less
(2)	Infiltration	Less	More
(3)	Soil erosion	Less	More

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

II. Data-based Questions (70 marks)

1. Study the map below carefully and answer questions (a) to (f).



- What is the vertical interval of the map? (2 marks)
- What are the heights of points A and E? (2 marks)
- Calculate the slope gradients of CD and BD. Show the steps of calculation. (8 marks)
- Which slope in question (c) is steeper? (2 marks)
- Which area, B or E, is a low-lying area? Explain your answer with map evidence. (4 marks)
- Why are places with low-lying relief more prone to flooding? (4 marks)

2. Study Table 2a and Map 2b carefully and answer questions (a) to (e).

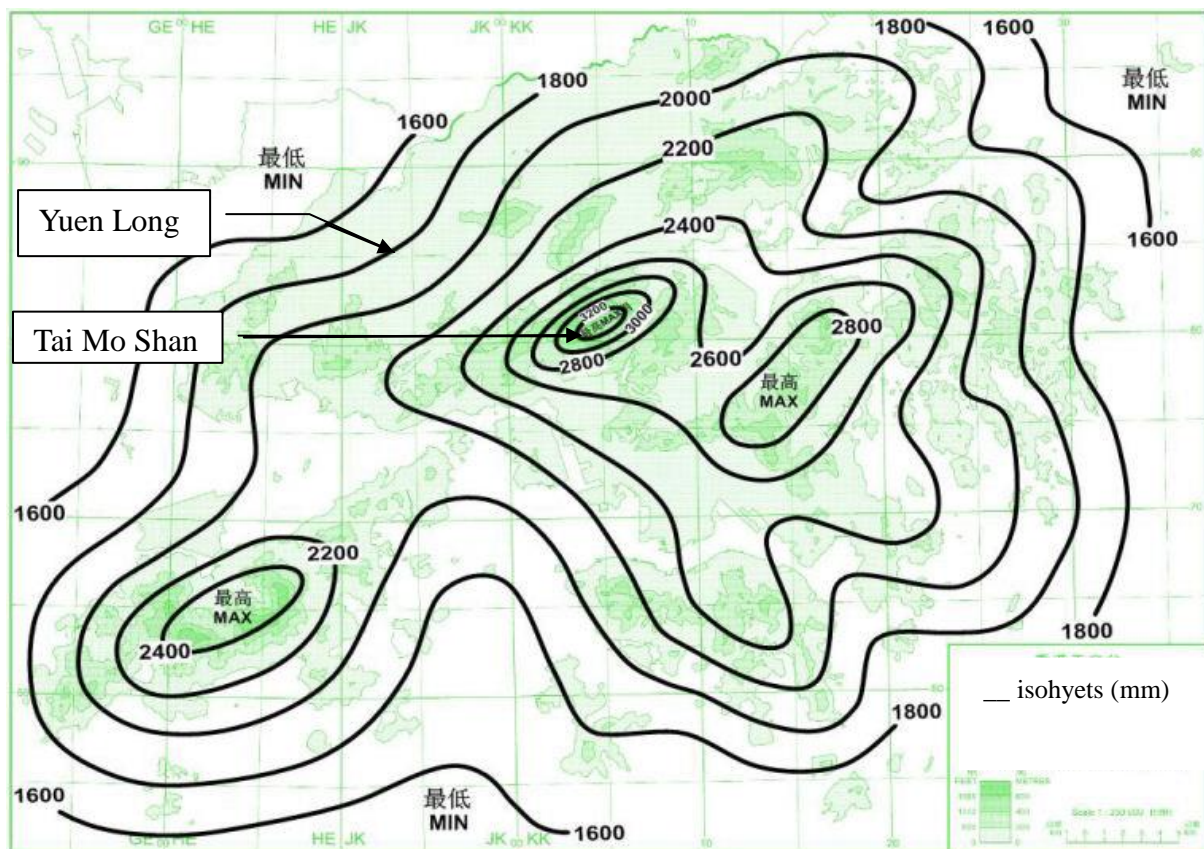
Table 2a

Climatic data of Dongguan

Month	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Mean Temperature (°C)	14.2	15	18.3	22.3	26	27.9	28.9	28.8	27.6	24.5	20.2	16
Rainfall (mm)	41	78	107	179	272	272	264	274	155	59	46	28

Map 2b

The distribution map of annual rainfall in Hong Kong



Refer to Table 2a.

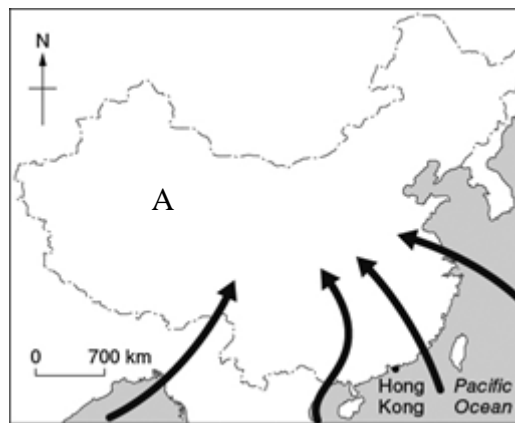
- (a) Draw a climatic graph of Dongguan. (8 marks)
- (b) Calculate the annual mean temperature, annual range of temperature and annual rainfall of Dongguan respectively. (6 marks)
- (c)(i) Describe the rainfall pattern of Dongguan. (2 marks)
- (ii) Why is this rainfall pattern found in Dongguan? (4 marks)

Refer to Map 2b.

- (d) Calculate the difference of annual rainfall between Yuen Long and Tai Mo Shan. (2 marks)
- (e) Explain why there is a difference of annual rainfall between Yuen Long and Tai Mo Shan. (6 marks)

3. Study Figure 3 carefully and answer questions (a) to (e).

Figure 3 A wind system



- | | |
|---|-----------|
| (a) Identify the season in China. | (2 marks) |
| (b) Describe the wind direction in Figure 3. | (2 marks) |
| (c) Explain the formation of wind system in Figure 3. | (8 marks) |
| (d) How does the wind system in Figure 3 affect the climate of Hong Kong? | (2 marks) |
| (e) Explain why there is only little rain at Site A. | (6 marks) |

III. Long Questions (12 marks)

Answer both questions in complete sentences and paragraphs.

- | | |
|--|-----------|
| 1. How does deforestation increase the chance of flooding in China? Explain your answer. | (6 marks) |
| 2. Why does drought occur in China? Explain your answer with one physical factor and one human factor. | (6 marks) |

-- End of Question Paper --