

FUKIEN SECONDARY SCHOOL  
S5 First Term Uniform Test (2020-2021)  
Geography  
(1 hour 15 minutes)

Date: 21<sup>st</sup> October 2020

Name: \_\_\_\_\_

Time: 10:15 a.m. - 11:30 a.m.

Class: \_\_\_\_\_ No.: \_\_\_\_\_

**Instructions to Candidates:**

1. The full mark of this paper is 40.
2. Answer **ALL** questions.
3. Write all answers on the single-lined paper provided.
4. Hand in both the question paper and the single-lined paper at the end of the test.

**I. Multiple Choice Questions (10 marks)**

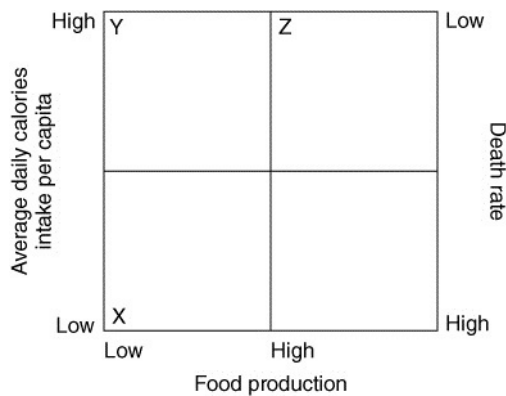
Choose the best options and write the correct answers on the single-lined paper.

1. Refer to the table below. Which of the following statements about countries X and Y is/are correct?

	Country X	Country Y
Cereal production (million tonnes)	9.3	11.7
Cereal consumption (million tonnes)	11.8	12.4
GNP per capita (US\$)	144	35,398
Daily food intake per capita (calories)	1,850	2,760

- (1) Both countries are less developed countries.
  - (2) Both countries have high risk of food insecurity.
  - (3) Country Y is able to buy food in the world market to satisfy local food demand.
- A. (1) only  
B. (3) only  
C. (1) and (2) only  
D. (2) and (3) only

2. The figure below shows the average daily calories intake per capita, food production and death rate of some countries/regions. Which of the following are the correct matches of countries/regions X, Y and Z?



	Country/Region X	Country/Region Y	Country/Region Z
A.	North Korea	Ethiopia	Japan
B.	Ethiopia	Hong Kong	The USA
C.	Hong Kong	The USA	Australia
D.	South Africa	Singapore	Hong Kong

3. Which of the following sets of information about farming are correct?

	Type of farming	Farming characteristics
(1)	Intensive farming	High labour input per unit of land
(2)	Subsistence farming	Grow crops for the international market
(3)	Mixed farming	Grow crops and raise livestock on the same farm

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

4. Which of the following are the correct matches about the factors and impacts of farming?

	<b>Factor affecting farming</b>	<b>Impact on farming</b>
(1)	Windward slope	Adequate sunshine
(2)	Rain shadow	Low rainfall
(3)	Gentle slope gradient	Thick soil

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

5. Refer to the photo below. Which of the following descriptions about the farming activity shown are correct?



- (1) More than one crop is grown.
  - (2) Farmland is intensively used.
  - (3) Technological level is low.
- 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 advantages of greenhouse farming?

- (1) Reduces pest attack
- (2) Stabilizes farmers' income
- (3) Lengthens the growing season

- 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 are the possible consequences of changing the farming practices in the Sahel in recent years?

- (1) Higher birth rate
- (2) Worsening of desertification
- (3) Increase in the risk of food insecurity

- 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 are the environmental impacts of farming in southern California?

- (1) Desertification
- (2) Eutrophication
- (3) Soil erosion

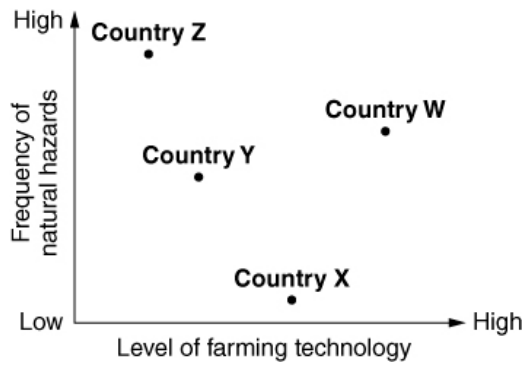
- A. (1) and (2) only
- B. (1) and (3) only
- C. (2) and (3) only
- D. (1), (2) and (3)

9. Which of the following are the practices in an organic farm?

- (1) Adopt crop rotation
- (2) Avoid the use of chemical fertilizers
- (3) Avoid the use of genetically modified seeds

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

10. The figure below shows the frequency of natural hazards and level of farming technology in countries W, X, Y and Z. Which of the following countries has the highest risk of food insecurity?

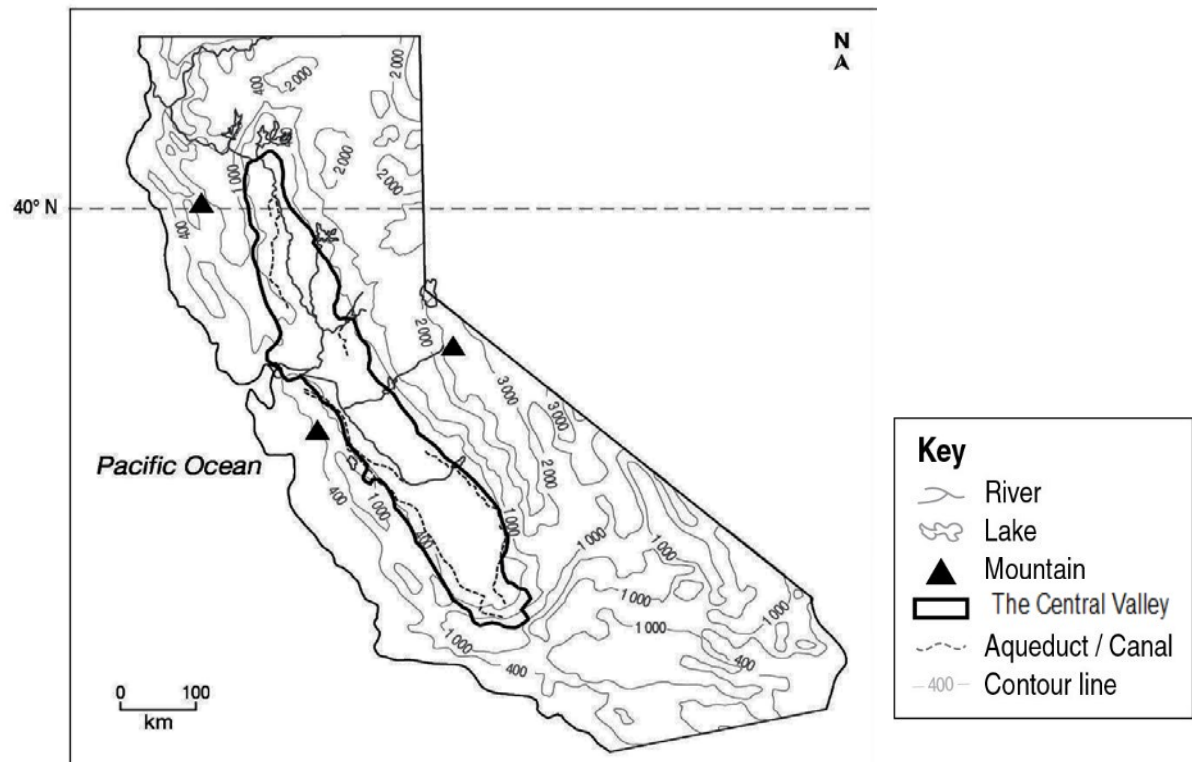


- A. Country W
- B. Country X
- C. Country Y
- D. Country Z

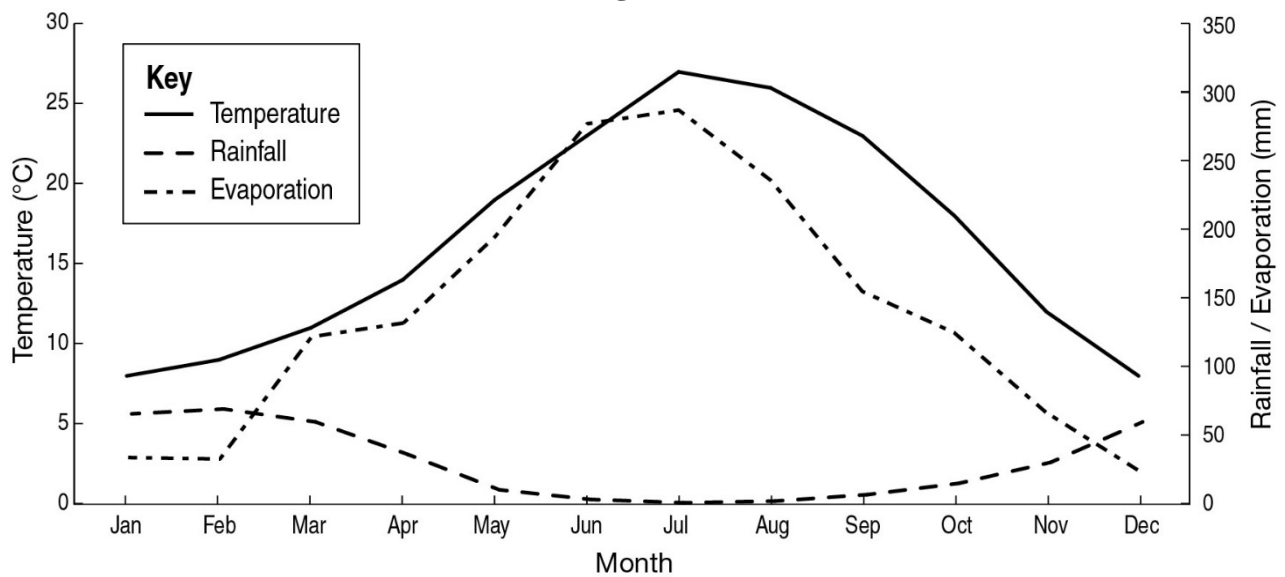
## II. Data-based Question (18 marks)

- Figure 1a shows the location and physical conditions of the Central Valley of California, the USA. Figure 1b shows the climatic conditions of the Central Valley. Photo 1c shows a soil problem with the accumulation of white grains in the Central Valley.

**Figure 1a**



**Figure 1b**



**Photo 1c**

- (a) Refer to Figures 1a and 1b.
- (i) Describe and explain the natural factors that favour agricultural development in the Central Valley. (4 marks)
  - (ii) What are the physical constraints on farming in the Central Valley? (4 marks)
- (b) Refer to Figure 1b and Photo 1c.
- (i) Identify and explain the soil problem shown in Photo 1c. (3 marks)
  - (ii) Suggest the impacts of the problem identified in question (b)(i) on agricultural production in the Central Valley. (3 marks)
- (c) Discuss whether the problem identified in question (b)(i) can be effectively mitigated by the adoption of drip irrigation. (4 marks)

### **III. Short Essay (12 marks)**

1. Describe the physical constraints to farming in the Sahel. Discuss whether climatic hazard has become the sole cause of land degradation in the Sahel in recent years. (12 marks)

**-- End of Paper --**