

FUKIEN SECONDARY SCHOOL
S3 First Term Uniform Test (2020-2021)
Geography
(45 minutes)

Date: 21st October 2020

Name: _____

Time: 8:30 a.m. - 9:15 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 test.

I. Multiple Choice Questions (20 marks)

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

1. Which department is responsible for releasing the weather information of Hong Kong?
 - A. The Hong Kong Observatory
 - B. The Education Bureau
 - C. The Civil Aviation Department
 - D. The Drainage Service Department
2. Tropical cyclones usually move to the _____ over the Pacific Ocean.
 - A. north
 - B. east
 - C. south
 - D. west
3. Which of the following are the climatic characteristics of South China?
 - (1) Spring is warm and dry.
 - (2) Autumn is mild and dry.
 - (3) Winter is cool and dry.
 - 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 weather symbols is **not** associated with precipitation?

- A. 
- B. 
- C. 
- D. 

5. Which of the following wind directions represents the winter monsoon in South China?

- A. South
- B. Southeast
- C. Northeast
- D. East

6. Arrange the forming processes of tropical cyclones.

- (1) Air condenses at a high altitude to form clouds.
 - (2) Warm and wet air rises when the sea surface temperature is above 26°C.
 - (3) Surrounding air moves in forming a strong convection.
 - (4) Air at the bottom continues to move into the low pressure centre.
- A. (1)→(2)→(3)→(4)
 - B. (1)→(3)→(2)→(4)
 - C. (2)→(1)→(3)→(4)
 - D. (2)→(3)→(4)→(1)

7. What does the weather symbol below represent?

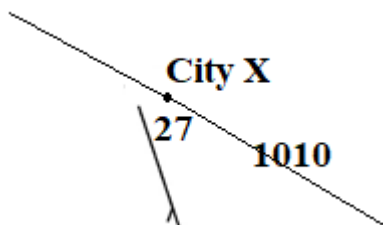


- A. Drizzle
- B. Fog
- C. Thunderstorm
- D. Snow

8. Which of the following preventive measures help reduce the impacts brought by tropical cyclones?

- (1) Forecast and warning
- (2) Education
- (3) Fund raising
- A. (1) and (2) only
- B. (1) and (3) only
- C. (2) and (3) only
- D. (1), (2) and (3)

9. Read the figure below. Which of the following weather conditions about city X is/are correct?

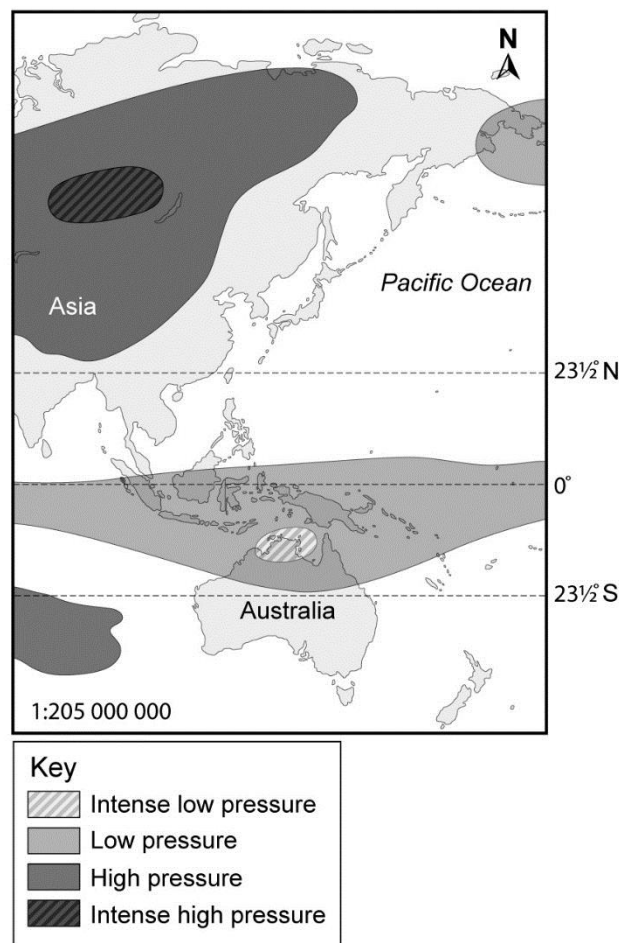


- (1) 27°
 - (2) Northwest wind
 - (3) no rain
 - A. (1) only
 - B. (2) only
 - C. (3) only
 - D. (2) and (3) only
10. Why do tropical cyclones disappear when they move inland?
- A. Loss of solar energy
 - B. Loss of moisture supply
 - C. Less friction with land
 - D. Less transpiration

II. Data-based Questions (68 marks)

1. Study Figure 1 carefully and answer questions (a) to (e).

Figure 1



- (a) Draw arrows to show the wind direction on the answer sheets. (2 marks)
- (b) What is a monsoon system? (4 marks)
- (c) Identify the season of Hong Kong as shown in Figure 1. (2 marks)
- (d) Explain the formation of the monsoon system in Figure 1. (8 marks)
- (e) How does the monsoon system in Figure 1 affect the climate of Hong Kong? (4 marks)

2. Study Figure 2a and Table 2b carefully and answer questions (a) to (f).

Figure 2a
Locations and weather conditions of cities X and Y on a particular day

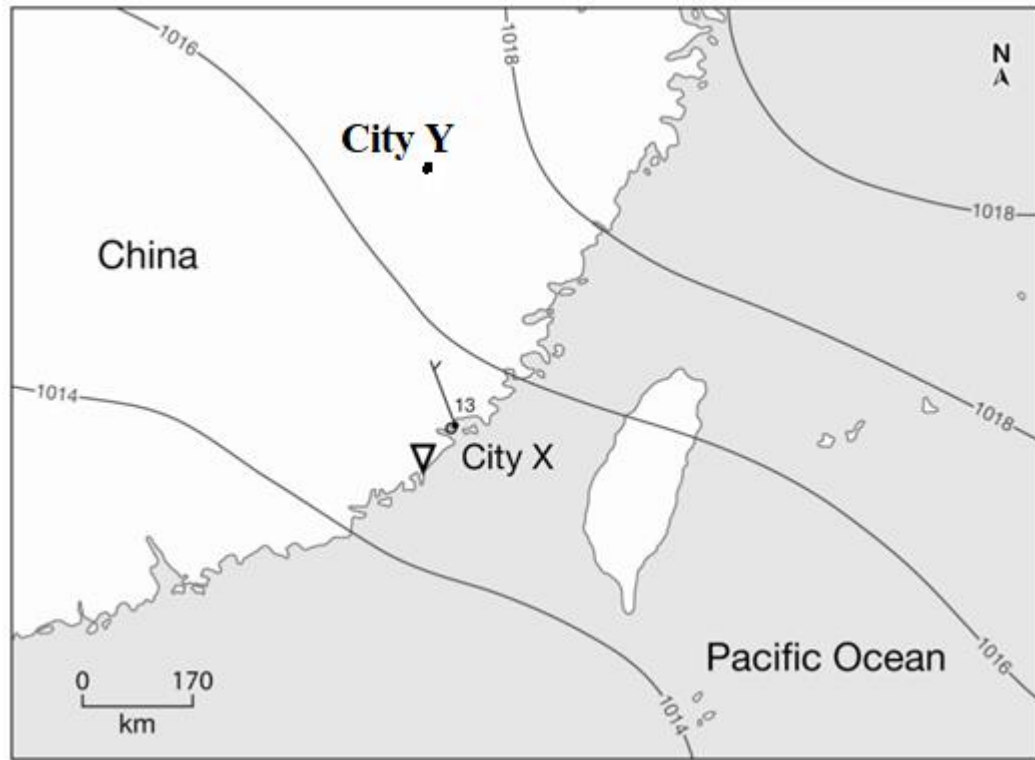


Table 2b
Climatic data of city X

Month	Jul	Aug	Sep	Oct	Nov	Dec
Temperature (°C)	28.2	28.0	26.5	23.3	19.3	15.1
Rainfall (mm)	206.4	214.8	144.7	61.8	39.1	28.5

Refer to Figure 2a.

- (a) Describe the weather conditions of city X. (5 marks)
- (b) Identify the season of city X. Quote map evidence to support your answer. (3 marks)
- (c) *“The temperature of city Y is 10 °C, north wind is blowing at a speed of 7.5m/s. There is no precipitation.”*

Draw the weather conditions of city Y as shown in the statement above on the answer sheets.

(3 marks)

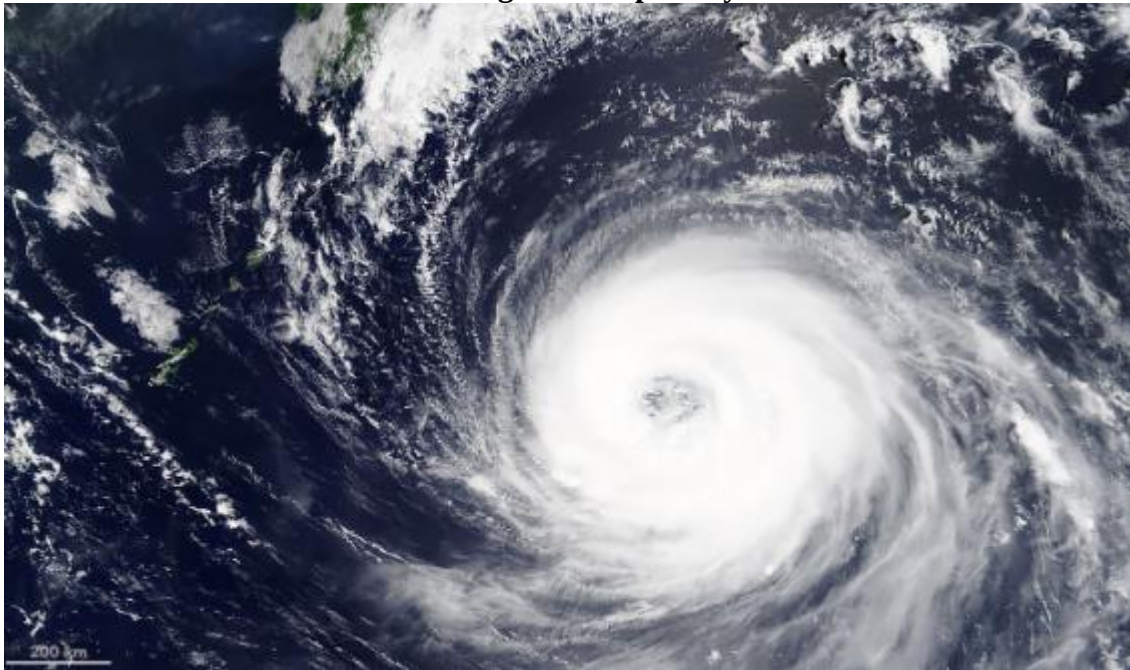
- (d) Describe the difference between weather and climate. (4 marks)

Refer to Table 2b.

- (e) Complete the climatic graph of city X on the answer sheets. (5 marks)
- (f) Describe the climatic characteristics of city X. (4 marks)

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

Figure 3
Satellite image of a tropical cyclone



- (a) Is tropical cyclone a low pressure system or a high pressure system? (1 mark)
- (b) Draw a cross section of tropical cyclones. (5 marks)
- (c) Describe the changes of weather conditions when a place is affected by tropical cyclones.
Complete the table on the answer sheets. (8 marks)
- (d) Describe the impacts brought by tropical cyclones. (6 marks)
- (e) Suggest **two** remedial measures to reduce the impacts brought by tropical cyclones. (4 marks)

III. Long Question (12 marks)

Answer the question in complete sentences and paragraphs.

1. “*There are different types of climate in different regions of China.*”
Using appropriate examples to explain the factors affecting the climate of China. (12 marks)

-- End of Question Paper --

