

FUKIEN SECONDARY SCHOOL
S3 First Term Examination (2020-2021)
Geography
(1 hour)

Date: 4th 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 (10 marks)

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

1. Why is South China often affected by tropical cyclones?
 - (1) Land is heated quickly
 - (2) Located at low latitudes
 - (3) Close to the sea

A. (1) and (2) only
B. (1) and (3) only
C. (2) and (3) only
D. (1), (2) and (3)
2. Air pressure is shown by _____, which are the black lines joining places with same air pressure on the chart.

A. contour lines
B. isobars
C. isobaths
D. isotherms

3. Refer to the climatic data below. Calculate the annual mean temperature.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Temp. (°C)	16.3	16.8	19.1	22.6	25.9	27.9	28.8	28.6	27.7	25.5	21.8	17.9
Rainfall (mm)	24.7	54.4	82.2	174.7	304.7	456.1	376.5	432.2	327.6	100.9	37.6	26.8

- A. 23.2°C
 B. 12.5°C
 C. 12.3°C
 D. 2398.4mm
4. Which of the following descriptions about summer monsoon in South China are correct?
- (1) Offshore winds
 (2) Wet winds
 (3) South winds
- A. (1) and (2) only
 B. (1) and (3) only
 C. (2) and (3) only
 D. (1), (2) and (3)
5. Which of the following warning signals may be hoisted by the Hong Kong Observatory when a tropical cyclone is approaching Hong Kong?
- A. Strong Monsoon Signal
 B. Cold Weather Warning
 C. Landslip Warning
 D. Frost Warning
6. Which of the following countries is located along the destructive plate boundary?
- A. Australia
 B. Iceland
 C. Easter Island
 D. The Philippines

7. Which of the following are the primary effects of earthquakes?

- (1) Aftershocks
- (2) Collapse of roads and bridges
- (3) Collapse of buildings
- 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 countries is/are more capable of reducing the impacts of natural hazards?

	Country	Population (million)	GDP per capita (US\$)	Literacy rate (%)
(1)	A	9.0	646	55
(2)	B	4.3	29 362	99
(3)	C	127	42 820	99

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

9. Which of the following natural hazards are caused by extreme weather conditions?

- (1) Drought
- (2) Earthquake
- (3) Flooding
- (4) Volcanic eruption
- A. (1) and (2) only
- B. (1) and (3) only
- C. (2) and (4) only
- D. (3) and (4) only

10. Which of the following comparisons about earthquakes between more developed countries and less developed countries is **incorrect**?

	More developed countries	Less developed countries
A. Economic loss	Higher	Lower
B. Number of deaths	Fewer	More
C. Shock-proof buildings	Enforced	Not used
D. Emergency planning	Comprehensive	Well-planned

II. Data-based Questions (74 marks)

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

Figure 1a

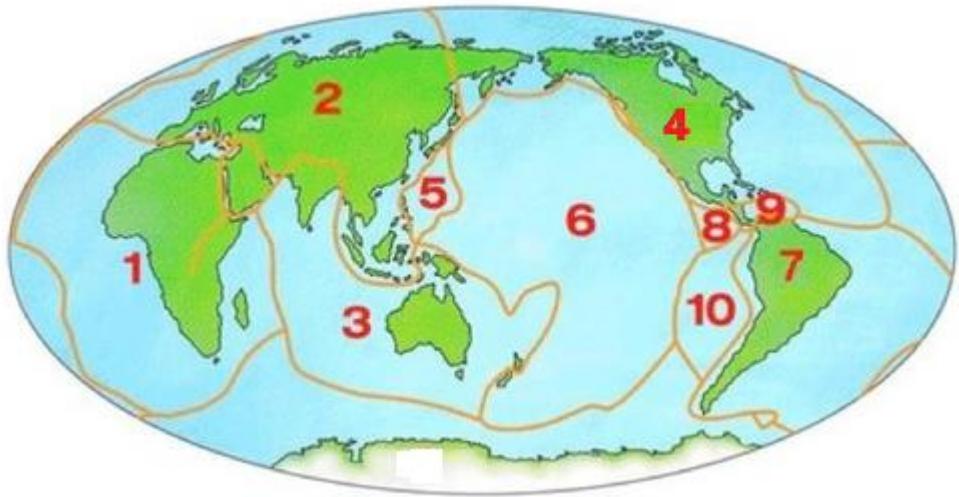


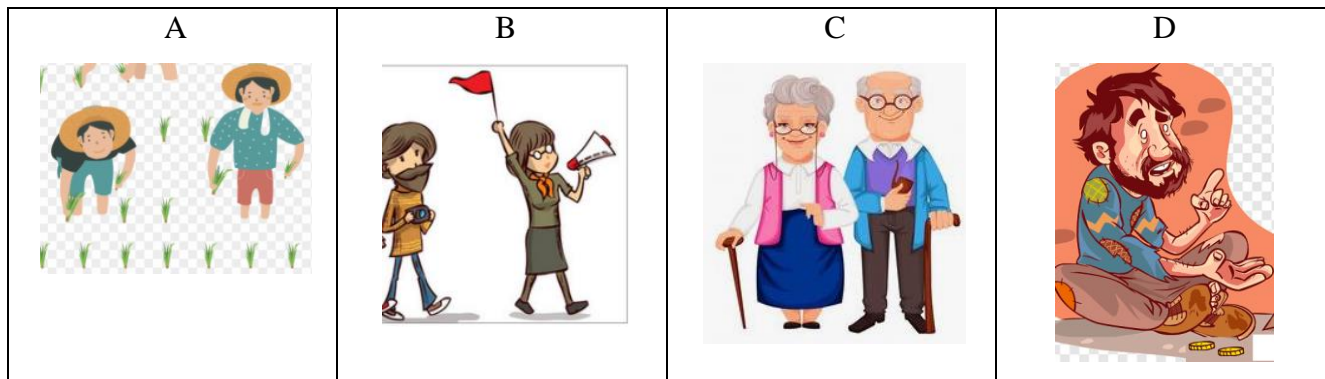
Figure 1b



Figure 1c



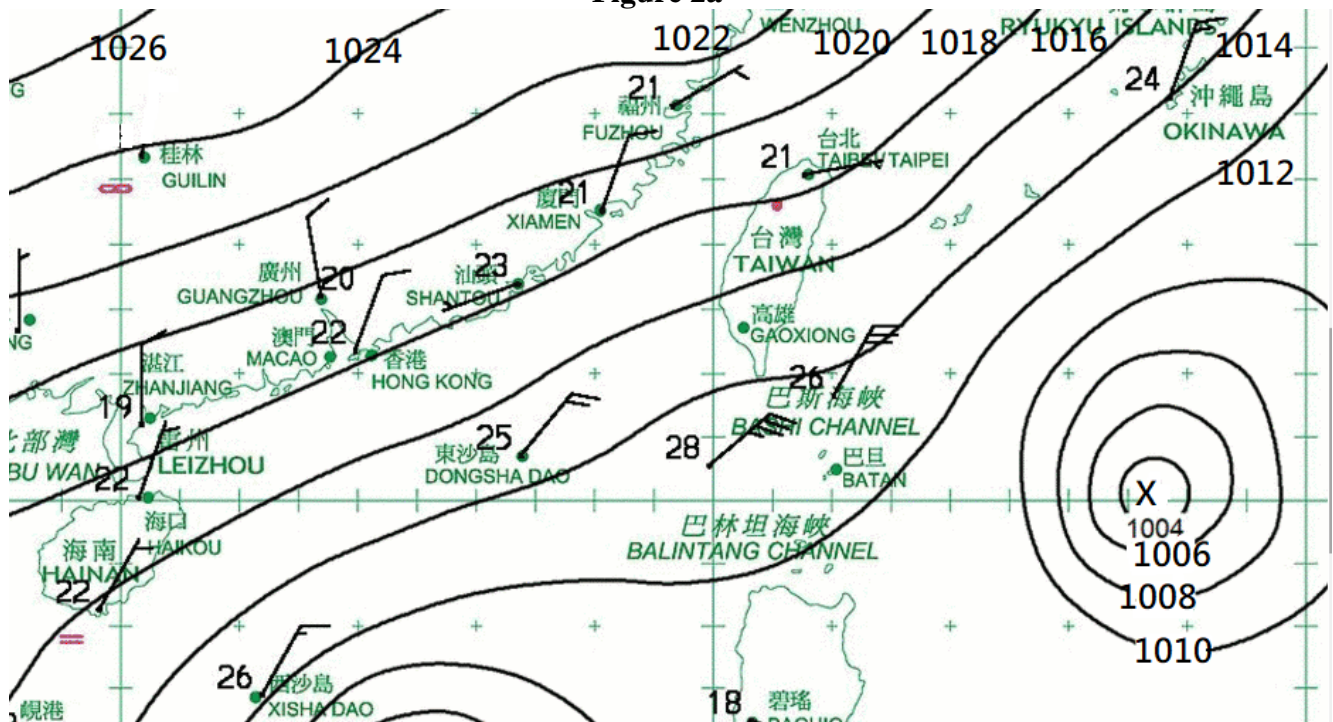
Figure 1d



- (a) Identify the name of the plates shown in Figure 1a. (10 marks)
- (b) Show the location of the Circum-Pacific Belt on the answer sheets. (2 marks)
- (c) Refer to Figure 1b.
- Identify the tectonic hazard shown in Figure 1b. (2 marks)
 - Explain the forming processes of this tectonic hazard. (5 marks)
 - Describe **two** environmental impacts brought by this tectonic hazard. (4 marks)
 - Name the indicator used to measure the amount of energy released by this tectonic hazard. (2 marks)
 - Describe **two** remedial measures that can be done by the government to reduce the impacts brought by this tectonic hazards. (4 marks)
- (d) Refer to Figure 1c.
- Identify the preventive measure. (2 marks)
 - Explain how this measure reduces the impacts brought by the tectonic hazard shown in Figure 1b. (4 marks)
 - Is this preventive measure necessary in Hong Kong? Explain your answer. (4 marks)
- (e) Refer to Figure 1d. Why do these people still stay in hazard-prone areas? (8 marks)

2. Study Figure 2a carefully and answer questions (a) to (g).

Figure 2a



- Name the chart shown in Figure 2a. (2 marks)
- Describe the weather conditions of Hong Kong. (5 marks)
- “The temperature of Guilin is 18°C, northeast wind is blowing at a speed of 2.5m/s. There is no precipitation.”*
Draw the weather conditions of Guilin as shown in the statement above on the answer sheets. (4 marks)
- What is pressure system X? (2 marks)
- Explain the forming processes of pressure system X. (6 marks)
- Describe the weather conditions when pressure system X is influencing a particular place. (4 marks)
- Why does pressure system X disappear when it lands? (4 marks)

III. Long Questions (16 marks)

Answer both questions in complete sentences and paragraphs.

- Account for the negative impacts brought by volcanic eruptions. (9 marks)
- Evaluate the effectiveness of issuing an early warning in less developed countries in reducing the impacts brought by earthquakes. (7 marks)

-- End of Question Paper --

