

FUKIEN SECONDARY SCHOOL  
S6 First Term Uniform Test (2020-2021)  
Geography  
(1 hour 15 minutes)

Date: 19<sup>th</sup> October 2020

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

Time: 11:00 a.m. - 12:15 p.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.

Refer to the map extract of Hong Kong provided and answer Questions 1 and 2.

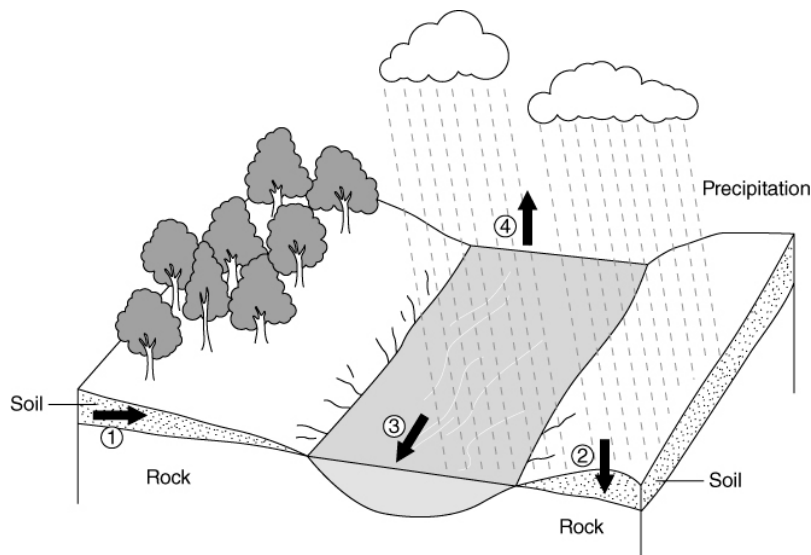
1. Which of the following coastal features can be found in grid square 9269?
  - (1) Reclaimed land
  - (2) Headland
  - (3) Artificial slope
  - (4) Lagoon
  - A. (1) and (3) only
  - B. (2) and (4) only
  - C. (1), (2) and (3) only
  - D. (1), (2), (3) and (4)
2. What is the stream order of the river entering grid reference 938704?
  - A. First order
  - B. Second order
  - C. Third order
  - D. Fourth order

3. Which of the following comparisons between ox-bow lakes and lagoons are correct?

	<b>Ox-bow lakes</b>	<b>Lagoons</b>
(1)	Developed on floodplains	Developed on deltas
(2)	Fresh water	Salty water
(3)	Formed by lateral erosion and deposition	Surrounded by sand ridges
(4)	Permanent	Will disappear in low-tide period

- A. (1) and (3) only  
 B. (2) and (4) only  
 C. (1), (2) and (3) only  
 D. (2), (3) and (4) only

4. Which of the following about processes ① to ④ is correct?



	<b>Process ①</b>	<b>Process ②</b>	<b>Process ③</b>	<b>Process ④</b>
A.	Stem flow	Percolation	Surface runoff	Transpiration
B.	Base flow	Percolation	Surface runoff	Transpiration
C.	Overland flow	Infiltration	Channel flow	Evaporation
D.	Throughflow	Infiltration	Channel flow	Evaporation

5. Which of the following coastal features are formed by wave erosion?

- (1) Pothole
  - (2) Sea cliff
  - (3) Geo
  - (4) Spit
- A. (1) and (4) only
- B. (2) and (3) only
- C. (1), (3) and (4) only
- D. (2), (3) and (4) only

6. Which of the following gauging stations of a river channel yields the highest discharge?

Gauging station	Cross-sectional area of the channel	Velocity at the station
P	20 m <sup>2</sup>	0.5 m/sec
Q	30 m <sup>2</sup>	0.5 m/sec
R	10 m <sup>2</sup>	0.5 m/sec
S	30 m <sup>2</sup>	2 m/sec

- A. Gauging station P
- B. Gauging station Q
- C. Gauging station R
- D. Gauging station S

7. Which of the following descriptions about the fluvial processes in a river basin are correct?

- (1) Headward erosion only occurs at the upper course of a river.
  - (2) Deposition only occurs at the middle and lower courses of a river.
  - (3) Large pebbles are usually transported by traction and saltation.
- A. (1) and (2) only
- B. (1) and (3) only
- C. (2) and (3) only
- D. (1), (2) and (3)

8. The photo below shows a river channel with flood-preventing measure. Which of the following matches is correct?



	Measure	Effect
A.	To smoothen the river bed	Improve river velocity
B.	To widen the river bank	Improve river flow
C.	To steepen the river bank	Water will not overflow easily
D.	To pave the river bank with cement	River bank will not collapse easily

9. Study the map below. Which of the following comparisons between areas P and Q is/are correct?



	Area P	Area Q
(1)	An depositional area	An erosional area
(2)	Deeper coastal water	Shallower coastal water
(3)	Sheltered from strong winds	Less affected by prevailing winds

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

10. The photo below shows the coastal environment of a certain place. Which of the following statements are correct?



- (1) Both wave erosion and deposition are active in the area.
  - (2) Groynes are built to dissipate the energy of incoming sea wave.
  - (3) Groynes are built to reduce the effect of longshore drift.
- A. (1) and (2) only  
B. (1) and (3) only  
C. (2) and (3) only  
D. (1), (2) and (3)

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

1. Study the map extract of Hong Kong provided.

- (a) (i) Name the coastal feature found at grid reference 925688. (1 mark)  
(ii) Compare the coastal processes that take place at grid references 925688 with 931667. (6 marks)
- (b) Refer to the residential areas found in grid squares 9269 and 9268.
  - (i) What type of people would prefer to live there? (1 mark)
  - (ii) Quote map evidence and explain the locational advantages of developing this type of housing. (4 marks)
- (c) Describe and explain the human modifications along the coastline in grid square 9368. (6 marks)

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

Answer **ONE** question only.

1. Explain why external processes are active in Hong Kong. Discuss whether external processes are the major contributing factors that incur geological hazards in Hong Kong. (12 marks)
  
2. Describe and explain the formation of clastic sedimentary rocks. Explain how sedimentary rocks shape the landforms in the northeastern part of Hong Kong. (12 marks)

**-- End of Paper --**