

FUKIEN SECONDARY SCHOOL
S6 First Term Uniform Test (2021-2022)
Geography
(1 hour 15 minutes)

Date: 10th November 2021
Time: 11:00 a.m. - 12:15 p.m.

Name: _____
Class: _____ No.: _____

Instructions to Candidates:

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

I. Multiple Choice Questions (10 marks)

Choose the best options.

1. Which of the following factors lead to an increase in the rate of fluvial deposition?
 - (1) The amount of load in the river increases
 - (2) Precipitation in the drainage basin increases
 - (3) Water in the river channel enters a lake or a sea

A. (1) and (2) only
B. (1) and (3) only
C. (2) and (3) only
D. (1), (2) and (3)
2. Which of the following lead to a high evapotranspiration rate?
 - (1) Low temperature
 - (2) High wind speed
 - (3) Dense vegetation cover

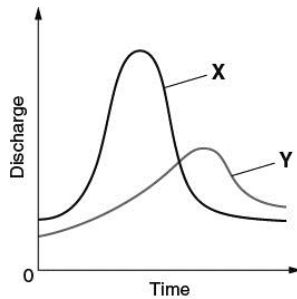
A. (1) and (2) only
B. (1) and (3) only
C. (2) and (3) only
D. (1), (2) and (3)

3. Under which of the following situations will the energy of a river drop?

- (1) The river reaches a lake.
- (2) The river channel is rugged.
- (3) The river channel has many distributaries.

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

4. Refer to the figure below. Which of the following matchings about drainage basins X and Y shown in the hydrograph is correct?



	X	Y
(1)	With steeper slopes	With gentler slopes
(2)	Sparse vegetation cover	Dense vegetation cover
(3)	Covered by impermeable rocks	Covered by permeable rocks

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

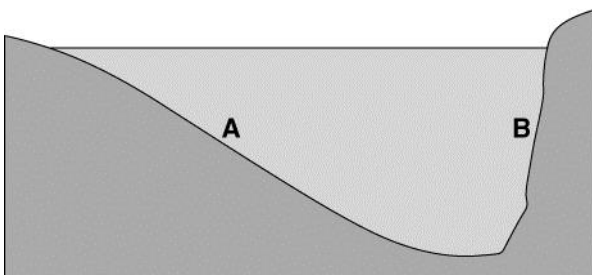
5. Refer to the photo below. Which of the following is/are the change(s) after the modification of the natural river?



- (1) The river is straightened.
- (2) The channel friction is higher.
- (3) The amount of river load is smaller.

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

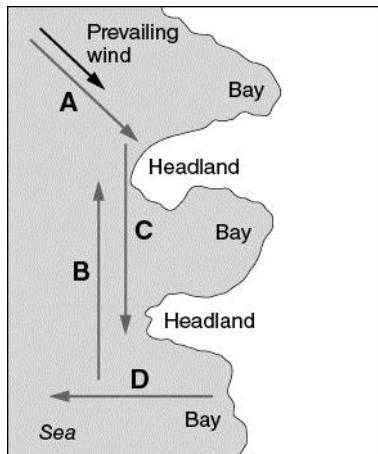
6. The figure below shows a cross-section of a river channel. Which of the following statements about the channel are correct?



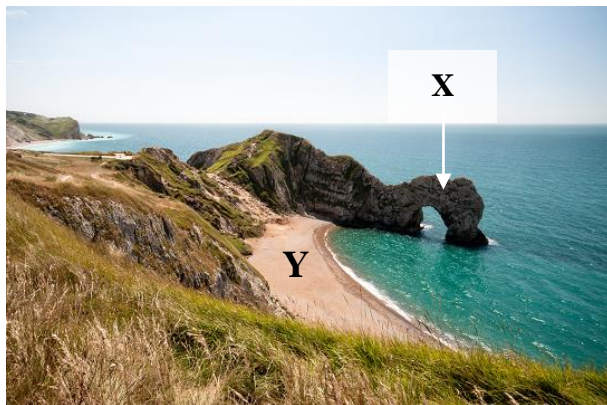
- (1) A is the inner bank.
- (2) The river flow is faster at B.
- (3) This river channel is found at the upper course.

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

7. Refer to the map below. Which arrow shows the correct direction of longshore drift?



8. Refer to the photo below. Which of the following comparisons between landform features X and Y is/are correct?

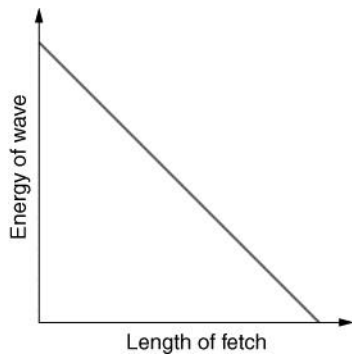


	X	Y
(1)	It is affected by destructive waves.	It is affected by constructive waves.
(2)	Coastal erosional features are found.	Coastal depositional features are found.
(3)	Offshore gradient is gentler.	Offshore gradient is steeper.

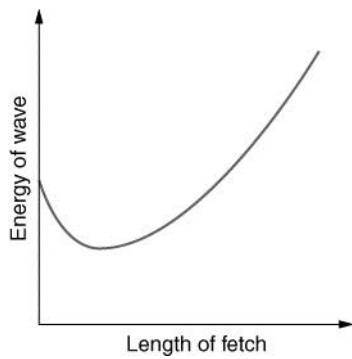
- A. (2) only
 B. (1) and (2) only
 C. (1) and (3) only
 D. (1), (2) and (3)

9. Which of the following figures shows the correct relationship between the length of fetch and the energy of wave?

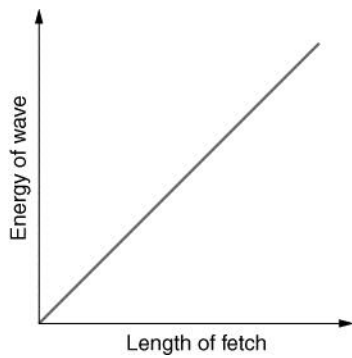
A.



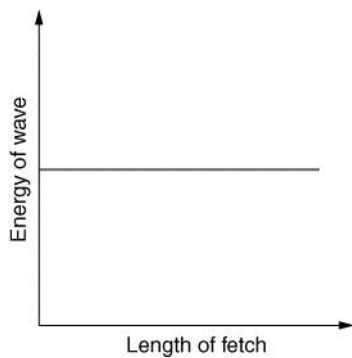
B.





C.



D.



10. Which of the following comparisons between the coastal protection methods shown below is/are correct?

		
(1)	Hard strategy	Soft strategy
(2)	Protects the coast by absorbing wave energy	Protects the coast by reflecting wave energy
(3)	Relatively inexpensive to build	Expensive to build

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

II. Data-based Question (18 marks)

1. Figure 1a shows the distribution of rock types in eastern Hong Kong. Photos 1b and 1c show the rocks taken at the two locations in Figure 1a.

Figure 1a

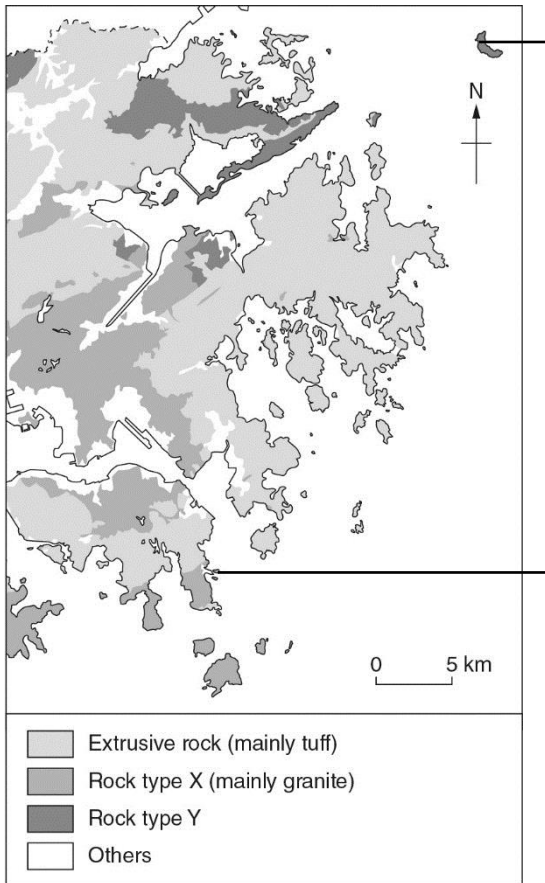


Photo 1b



Photo 1c



- (a) Refer to Figure 1a.
- (i) Identify rock types X and Y. (2 marks)
 - (ii) Explain the formation of rock type X. (3 marks)
- (b) Contrast the characteristics of the rock types shown in Photos 1b and 1c in **a table form**. (4 marks)
- (c) (i) Identify the forms of weathering on the rocks shown in Photos 1b and 1c. Support your answer with photo evidence. (4 marks)
- (ii) Refer to the rock in Photo 1c. Explain how geology facilitates the form of weathering mentioned in question (c)(i) to take place. (5 marks)

III. Short Essay (12 marks)

1. Account for the human factors in causing drought in North China. Discuss whether adopting water-saving methods on farms can lessen the impacts brought by drought in North China. (12 marks)

-- End of Paper --