

Section A

Answer **two** questions, Question 1 **or** 2 and Question 3 **or** 4.

Answer Question 1 **or** 2.

EITHER

River Environments

1 (a) Study Fig. 1, a graph showing the estimated average monthly sediment load for a point on the River Wye.

(i) Describe the pattern of average monthly sediment load shown in Fig. 1.

.....
.....
.....
.....
.....
.....
.....
.....
..... [4]

(ii) Explain **two** possible reasons for this pattern.

.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
..... [6]

OR

Coastal Environments

2 (a) Study Fig. 2, a graph showing variations in mean pebble size with distance from a cliff along a beach at La Malbaie, Quebec, Canada.

(i) Describe the variations in mean pebble size with distance from the cliff in Fig. 2.

.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
..... [4]

(ii) Explain **two** possible reasons for these variations.

.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
..... [6]

OR

Hot Arid and Semi-Arid Environments

4 (a) Study Fig. 4, a map of the present-day distribution of hot arid and semi-arid environments.

(i) Describe the distribution of hot arid and semi-arid environments shown in Fig. 4.

.....
.....
.....
.....
.....
.....
.....
.....
..... [4]

(ii) What are the differences between the climatic characteristics of hot arid and semi-arid environments?

.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
..... [6]

Section B

Answer **one** of the following questions.

The question answered must be on a different topic from the two topics chosen in Section A.

River Environments

- 5 With reference to one or more river basins, examine the factors affecting the development of landforms of fluvial deposition. [25]

Coastal Environments

- 6 With reference to one or more coastlines, examine the factors affecting the development of landforms of coastal deposition. [25]

Cold Environments

- 7 With reference to located examples, explain how human and physical factors make ecosystems in cold environments vulnerable to damage. [25]

Hot Arid and Semi-Arid Environments

- 8 With reference to located examples, explain how human and physical factors make ecosystems in hot arid/semi-arid environments vulnerable to damage. [25]

Essay plan for your answer.

