



General Certificate of Secondary Education
2012

Centre Number

71

Candidate Number

Geography

Unit 1:
Understanding Our Natural World

Higher Tier

[GGG12]



THURSDAY 14 JUNE, MORNING

TIME

1 hour 30 minutes.

INSTRUCTIONS TO CANDIDATES

Write your Centre Number and Candidate Number in the spaces provided at the top of this page.

Write your answers in the spaces provided in this question paper.

Answer **all three** questions.

You are provided with an O.S. map for use with **Question 1**.

Do **not** write your answer on this map.

INFORMATION FOR CANDIDATES

The total mark for this paper is 100.

Figures in brackets printed down the right-hand side of pages indicate the marks awarded to each question or part question.

Quality of written communication will be assessed in questions **1(c)**, **1(h)(ii)** and **2(e)**.

For Examiner's
use only

Question Number	Marks
1	
2	
3	

Total
Marks

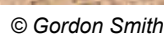


Fig. 3

- (i) State **one** human activity shown at the coast in **Fig. 3**.

 [1]

- (ii) State **one** other use made of the coast by people.

 [1]

- (iii) Describe the conflicting nature of **one** human activity in a coastal area. Refer to a place in your answer.

[3]

Examiner Only	
Marks	Remark



Fig. 5

- (ii) Name **one** input and **one** output shown on Fig. 5.

Output _____ [2]

[Turn over

(iii) Explain **one** effect on the drainage basin cycle if the vegetation is removed.

[3]

Examiner Only	
Marks	Remark

Theme B: Our Changing Weather and Climate

- 2 (a) Study **Fig. 7** which shows a weather system over the British Isles on a day in July 2009. Answer the following questions.

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Fig. 7

- (i) Complete the following statements to describe the weather conditions shown on **Fig. 7**.

The pressure at X is _____ mb

The wind direction at Weymouth is _____ [2]

Examiner Only	
Marks	Remark

- | Examiner Only | |
|---------------|--------|
| Marks | Remark |
| | |



- volcano
- /// plate boundary

Describe the world distribution of volcanoes shown on the map referring to named places in your answer.

[4]

- (b) Study **Fig. 11** which shows Slemish Mountain which is a volcanic plug. Answer the question which follows.



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Fig. 11

Explain how a volcanic plug such as Slemish Mountain was formed.

[3]

- (c) (i) Complete **Table 1** below to show another example of each of these rock types.

Table 1

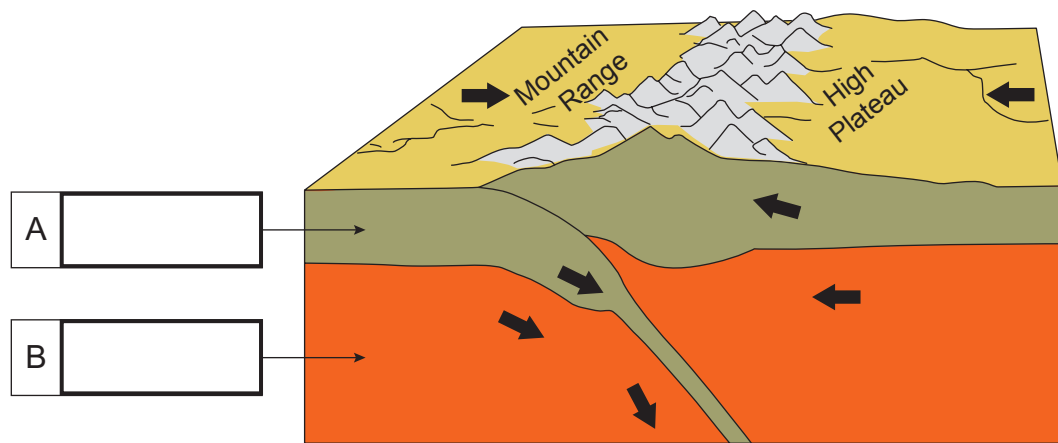
Igneous	Sedimentary
Granite	Sandstone

[2]

(ii) Explain how sedimentary rocks were formed.

[3]

(d) Study **Fig. 12** which shows a collision plate boundary. Answer the questions which follow.



Source: United States Geological Survey.

Fig. 12

(i) Add labels at A and B on **Fig. 12** to indicate the following two layers:

Mantle

Crust

[2]

- (ii) Explain how fold mountains are formed at a collision plate boundary.

[3]

- (e) Earthquakes may occur far away from plate boundaries. Name an earthquake in the British Isles which you have studied. Outline the cause of this earthquake and describe and explain fully **one** impact this earthquake had.

Name of Earthquake _____

Cause

[2]

Impact

[3]

Examiner Only	
Marks	Remark

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