



Centre Number

71

Candidate Number

General Certificate of Secondary Education
2013

Geography

Unit 1:
Understanding Our Natural World
Higher Tier

[GGG12]



TUESDAY 4 JUNE, AFTERNOON

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.

INFORMATION FOR CANDIDATES

The total mark for this paper is 108.

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 Question **3(d)**.

Spelling, punctuation and the accurate use of grammar will be assessed in questions **1(i)** and **2(c)(iii)**.

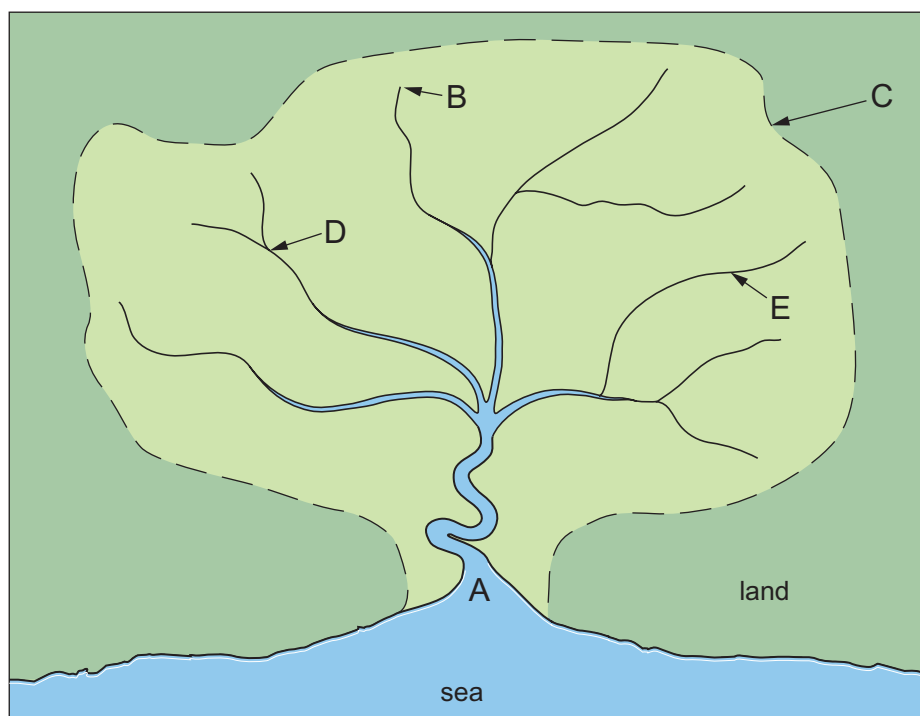
For Examiner's
use only

Question Number	Marks
1	
2	
3	

Total
Marks

Theme A: The Dynamic Landscape

- 1 (a) Study **Fig. 1** which shows a drainage basin. Answer the questions which follow.



Key

- A = _____ = Where the river enters the sea.
- B = _____ = The start of a river.
- C = _____ = High ground which separates one drainage basin from another.
- D = _____ = Where two rivers meet.
- E = _____ = A small river which joins the main river.

Source: Principal Examiner

Fig. 1

- (i) Complete the key for **Fig. 1** by labelling features A–E. [5]

- (ii) Name **two** stores of water within the drainage basin system.

1. _____

2. _____ [2]

(iii) State the meaning of the term **infiltration**.

[2]

Examiner Only	
Marks	Remark



Fig. 2

- (i)** Describe how load size varies along the Colin River.

[4]

Examiner Only	
Marks	Remark

- (e) Coasts are shaped by waves. State **two** facts about constructive waves.

[2]

- (f) Study **Fig. 3** which shows a labelled photograph of a coastal spit in Alaska called Homer Spit. Answer the questions which follow.



Source: Alaska ShoreZone Program NOAA/NMFS/AKFSC; Courtesy of Mandy Lindeberg, NOAA/NMFS/AKFSC

Fig. 3

Identify the **two** land uses (**X** and **Y**) shown in **Fig 3**. Choose your answers from the list below.

Residential

Industry

Transport

Tourism

X _____

Y _____

[2]

[illegible]

Examiner Only	
Marks	Remark

BLANK PAGE
(Questions continue overleaf)

Theme B: Our Changing Weather and Climate

- 2 (a) Study **Fig. 4** which shows a simple weather forecast about an anticyclone that is over Northern Ireland in July. Answer the questions which follow.

- A. The temperature will be a very warm 28 °C.
 B. The wind speed will be calm.
 C. Warm air will come from a south-easterly direction.
 D. There will be no rain.

Fig. 4

- (i) Using **Fig. 4** complete **Table 1** by writing in the names of the instruments that could be used to collect information on each of these elements of the weather forecast.

Table 1

Weather element	Instrument
A	
B	
C	
D	

[4]

- (ii) State the name of the air mass that is most likely to be responsible for this weather.

_____ [1]

- (iii) Explain why there will be no rain.

 _____ [3]

[6]

Spelling, punctuation and accurate use of grammar [4]

Examiner Only	
Marks	Remark

- (d)** Study **Fig. 6** which shows the cities where international agreements on climate change have been discussed. Answer the questions which follow.

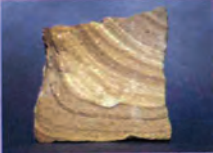




(i) Using **Fig. 6** state the name of the city where the 2011 international agreement on climate change was discussed.

[1]

(ii) Outline **two** challenges associated with securing international co-operation to deal with climate change.

[4]

Name of rock	Rock type
 <p>© Joyce Photographics / Science Photo Library</p> <p>Sandstone ●</p>	<p>● Igneous</p> <p>● Sedimentary</p> <p>● Metamorphic</p>
 <p>© Mark A. Schneider / Science Photo Library</p> <p>Basalt ●</p>	
 <p>© Aaron Haupt / Science Photo Library</p> <p>Slate ●</p>	

[3]

Examiner Only	
Marks	Remark

Permission to reproduce all copyright material has been applied for.
In some cases, efforts to contact copyright holders may have been unsuccessful and CCEA
will be happy to rectify any omissions of acknowledgement in future if notified.