

**Tuesday 19 May 2015 – Afternoon**

**GCSE GEOGRAPHY A**

**A731/02 Contemporary Themes in Geography (Higher Tier)**

Candidates answer on the Question Paper.

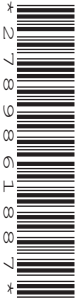
**OCR supplied materials:**

- An Insert (A731/01/02/1 – inserted)

**Other materials required:**

None

**Duration:** 1 hour 45 minutes



Candidate forename		Candidate surname	
--------------------	--	-------------------	--

Centre number						Candidate number				
---------------	--	--	--	--	--	------------------	--	--	--	--

**INSTRUCTIONS TO CANDIDATES**

- The Insert will be found inside this document.
- Write your name, centre number and candidate number in the boxes above. Please write clearly and in capital letters.
- Use black ink. HB pencil may be used for graphs and diagrams only.
- Answer **all** the questions.
- Read each question carefully. Make sure you know what you have to do before starting your answer.
- Write your answer to each question in the space provided. If additional space is required, you should use the lined pages at the end of this booklet. The question number(s) must be clearly shown.
- Do **not** write in the bar codes.

**INFORMATION FOR CANDIDATES**

- The number of marks is given in brackets [ ] at the end of each question or part question.
- The total number of marks for this paper is **112**.
- You will be awarded marks in questions 1(d)(iii), 1(f), 2(c)(ii), 3(b), 3(e), 4(c) and 5(c) for the quality of written communication of your answer. Questions marked with a pencil (✎) will carry 3 additional marks for spelling, punctuation and grammar.
- This document consists of **16** pages. Any blank pages are indicated.

Answer **all** the questions.

**Extreme Environments**

1 (a) Study Fig. 1 in the separate Insert.

Describe **two** features of this landscape that make it an extreme environment.

.....

.....

.....

..... [2]

(b) Explain how the landscape and climate of mountain environments are challenging for people.

.....

.....

.....

.....

.....

.....

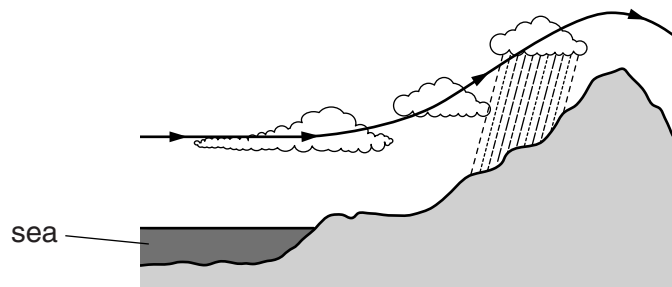
.....

.....

.....

..... [4]

(c) Annotate (fully label) the diagram below to explain how mountains cause relief rainfall.



[4]

(d) Many mountain areas are affected by glaciation.

(i) What is meant by 'terminal moraine'?

.....  
.....  
.....  
..... [2]

(ii) Describe the physical processes that lead to the formation of terminal moraines.

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

(iii) Describe **one** feature of a mountain environment which has been shaped by glacial erosion. Explain how this feature was formed.

You may use a labelled diagram to help you.

Name of feature .....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

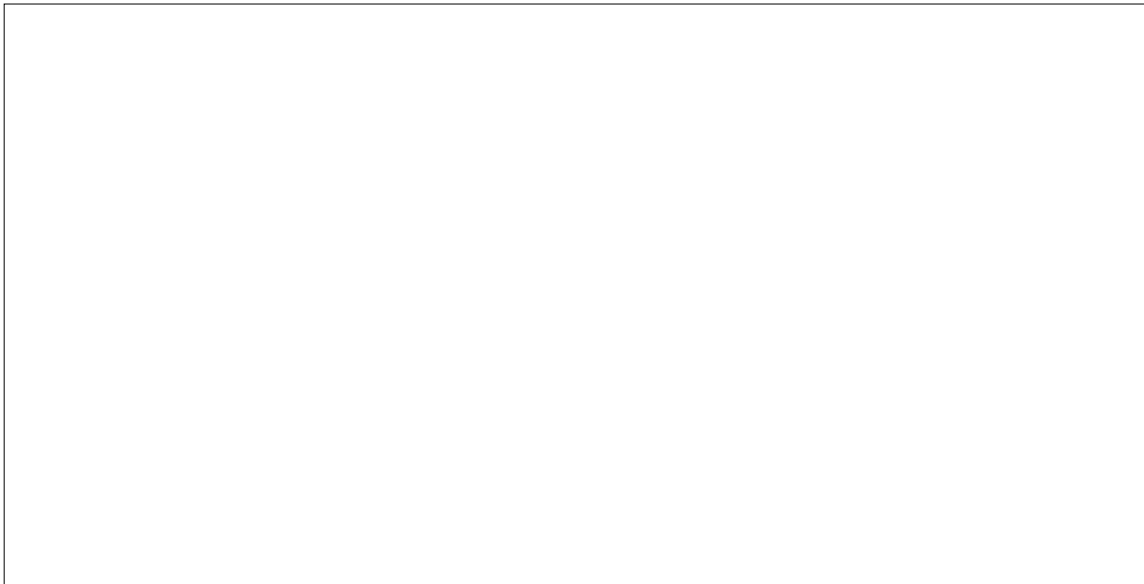
.....

.....

.....

.....

.....



[6]



2 (a) Study Fig. 3 in the separate Insert.

Using information from Fig. 3 and your own knowledge, explain why earthquakes occur in Iceland.

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

(b) (i) Explain how the Richter Scale and the Mercalli Scale are used to measure earthquakes.

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

(ii) Which of the two methods of measuring earthquakes do you think is more useful?

Give reasons for your answer.

.....  
.....  
.....  
..... [2]

(c) You will have studied a recent earthquake.

Name the place where this earthquake occurred .....

(i) Describe **two** long-term impacts of this earthquake.

.....  
.....  
.....  
..... [2]

(ii) Evaluate the strategies used to manage the impacts of this earthquake.

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

 Spelling, punctuation and grammar [3]

The Global Citizen

3 (a) Study Fig. 4 in the separate Insert.

(i) Agriculture is an example of a primary industry.

Define the term 'primary industry'.

.....  
..... [1]

(ii) Identify the **two** countries labelled X and Y on the graph in Fig. 4.

Country X .....

Country Y ..... [2]

(iii) Describe and explain the relationship shown by the graph in Fig. 4.

.....  
.....  
.....  
.....  
.....  
..... [3]





(d) What factors might an ethical consumer consider when choosing an energy provider?

.....  
.....  
.....  
..... [2]

(e) You will have studied **one** named service.

State the service you have studied .....

Explain how your chosen service affects people and the environment.

Refer to specific detail in your answer.

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

 Spelling, punctuation and grammar [3]

4 Study Fig. 5 in the separate Insert, a newsletter about shale gas extraction.

(a) Using Fig. 5, identify and explain **one** disadvantage of extracting shale gas.

.....  
.....  
.....  
..... [2]

(b) Using Fig. 5 and your own knowledge, explain why gas supply and demand in the UK are likely to change in the future.

.....  
.....  
.....  
.....  
.....  
..... [3]

(c) You will have studied a named energy issue.

State the energy issue you have studied .....

Explain how you think this issue might develop in the future.

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

**Similarities and Differences in Settlements and Population**

5 (a) Study Fig. 6 in the separate Insert.

(i) Identify **two** different land uses shown in Fig. 6.

1 .....

2 ..... [2]

(ii) Define the term 'central business district'.

.....

.....

.....

..... [2]

(iii) Does Fig. 6 show a central business district?

Justify your answer.

.....

.....

.....

.....

.....

.....

.....

.....

..... [4]

(b) Study Fig. 7 in the separate Insert.

Using Fig. 7, describe **one** change to town centres and suggest **one** reason why this change is taking place.

.....

.....

.....

..... [2]



**ADDITIONAL ANSWER SPACE**

If additional answer space is required, you should use the following lined page(s). The question number(s) must be clearly shown in the margins.

This section of the page is a large, empty area of lined paper. It consists of approximately 25 horizontal dotted lines spaced evenly down the page. A solid vertical line runs down the left side of this area, creating a margin. This is intended for students to write their answers to questions that require more space than the previous page.



A large rectangular area with a vertical solid line on the left side and horizontal dotted lines extending across the page, providing a grid for writing answers.



**Copyright Information**

OCR is committed to seeking permission to reproduce all third-party content that it uses in its assessment materials. OCR has attempted to identify and contact all copyright holders whose work is used in this paper. To avoid the issue of disclosure of answer-related information to candidates, all copyright acknowledgements are reproduced in the OCR Copyright Acknowledgements Booklet. This is produced for each series of examinations and is freely available to download from our public website ([www.ocr.org.uk](http://www.ocr.org.uk)) after the live examination series.

If OCR has unwittingly failed to correctly acknowledge or clear any third-party content in this assessment material, OCR will be happy to correct its mistake at the earliest possible opportunity.

For queries or further information please contact the Copyright Team, First Floor, 9 Hills Road, Cambridge CB2 1GE.

OCR is part of the Cambridge Assessment Group; Cambridge Assessment is the brand name of University of Cambridge Local Examinations Syndicate (UCLES), which is itself a department of the University of Cambridge.