

SUPERVISOR'S USE ONLY

91007



Level 1 Geography, 2011

91007 Demonstrate geographic understanding of environments that have been shaped by extreme natural event(s)

9.30 am Wednesday 23 November 2011 Credits: Four

Achievement	Achievement with Merit	Achievement with Excellence
Demonstrate geographic understanding of environments that have been shaped by extreme natural event(s).	Demonstrate in-depth geographic understanding of environments that have been shaped by extreme natural event(s).	Demonstrate comprehensive geographic understanding of environments that have been shaped by extreme natural event(s).

Check that the National Student Number (NSN) on your admission slip is the same as the number at the top of this page.

You should attempt ALL parts of ALL questions in this booklet.

If you need more room for any answer, use the extra space provided at the back of this booklet.

Check that this booklet has pages 2–12 in the correct order and that none of these pages is blank.

YOU MUST HAND THIS BOOKLET TO THE SUPERVISOR AT THE END OF THE EXAMINATION.

TOTAL

You are advised to spend 60 minutes answering the questions in this booklet.

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QUESTION ONE: UNDERSTANDING EXTREME NATURAL EVENTS

	For copyr	ight reasons, this reso	urce cannot be reproduc	ed here.
-	-	asons, how the cartoon	w.cartoonistgroup.com and the comments in it affected by extreme natu	
(1) (2) (3)	Heavy machine People seeking Emergency eva	ery brought in to reinfor shelter, or moving to h acuation plans being av	xtreme natural event res ce a collapsed river bank nigher ground. vailable online or via radi ed to prevent future flood	c. o/television.
(1) (2) (3) (4) The	Heavy machine People seeking Emergency eva Flood manager	ery brought in to reinfor shelter, or moving to he cuation plans being avenent schemes introducen completed for you.	ce a collapsed river bank nigher ground. /ailable online or via radi	k. o/television. ding. emaining statements

Refer to **Map One** below when answering (c) and (d).

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	Map One: Global Distribution of Extreme Natural Events 2009
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	Note: The larger the circle, the greater the cost/number of deaths.
	Source (adapted): http://www.munichre.com/app_pages/www/@res/pdf/media_relations/press_ releases/2009/2009_12_29_app2_en.pdf
	One shows 850 extreme natural events. Many of these events are located on, or neacoast.
Fully	explain why coastal environments are more vulnerable to (likely to be affected by) eme natural events.

Part (c) continues on the following page

to G	raph One below when answering (d).
	For copyright reasons, this resource cannot be reproduced here.
i)	Source (adapted): www.emdat.be/natural-disasters-trends What was the annual average cost of damage in \$US billions, caused by extreme natural events in Europe from 1990 to 2009?
Refe	er to BOTH Map One on page 3 and Graph One above when answering (ii). Fully explain, with reasons, the relationship between the number of extreme natural events in Africa, and the cost of damages for Africa.

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	e box below, name ONE type of extreme natural event , and a case study (or studies) that will use to answer Questions Two and Three.	ASSESSOR'S USE ONLY
	Type of extreme natural event:	
	Name of case study (studies):	
QUE	ESTION TWO: NATURAL PROCESSES	
the e	the following Geographic Concepts . Include specific references to them, as well as to extreme natural event and to the environment of the case study (studies) you have named to support your answers to this question.	
	Geographic Concepts	
Pro	ocesses are sequences of related actions that shape and change environments.	
En	vironments have particular characteristics and features, which can be the result of	
pro	ocesses. Some environments can be changed because of an extreme natural event.	
(a)	Draw an annotated (labelled) diagram in the box below to clearly show the major natural characteristics (features) of the environment in your named case study (studies) that m it vulnerable to (likely to be affected by) your named extreme natural event.	

You may answer i your answer.	in paragraph form OR use a combination of notes and diagrams to support	
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QUESTION THREE: IMPACT ON HUMANS AND THEIR RESPONSES

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Read the following **Geographic Concepts**. Include **specific references** to them, as well as to the **extreme natural event** and to the **environment** of the case study (studies) you have named on page 6, to support your answers to this question.

Geographic Concepts

Change involves any alteration to the natural or cultural environment. As people interact with their environment, both are changed.

Perspectives may influence how people interact with environments and the decision and responses that they make.

(a) Fully explain how your named extreme natural event has affected the **cultural environment**.

You may use diagrams, and include some of the ideas from the table below, to support your answer.

Cul	tural environment:
•	communication networks
•	economic activities
•	people
•	towns/cities
•	transport networks.

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When an extreme natural event occurs, individuals, groups, or organisations respond in different ways.

The **response pyramid** below shows some individuals, groups, or organisations that are involved after an extreme natural event.



(b) Fully explain ONE **immediate response** AND ONE **long-term response** to the effects of your named extreme natural event, by selected individuals, groups, or organisations.

(i)

Refer to the individuals, groups, or organisations listed in the pyramid above (or any others), to support your answer.

Individual, group, or organisation:
Immediate response:

ndividual, group, or organisation:	
_ong-term response:	

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QUESTION NUMBER	Write the	e question n	number(s) if	applicable.		

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