NZQA

NEW ZEALAND QUALIFICATIONS AUTHORITY
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Level 1 Geography, 2015

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

9.30 a.m. Thursday 12 November 2015
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 the 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 2–8 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

ASSESSOR'S USE ONLY

INSTRUCTIONS

In the box below, name ONE type of **extreme natural event**, and an environment **case study (studies)**.

Type of extreme natural event:

_____

Name of case study (studies):

_____

_____

_____

_____

Refer to these when answering ALL of the questions in this booklet.

QUESTION ONE: Natural Processes

Read the geographic concept below and refer to it when answering this question.

Geographic Concept

Processes are a sequence of actions, natural and / or cultural, that shape and change environments, places, and societies. Processes vary in time and space. Processes vary in magnitude (size) and frequency.

Extreme natural events occur **above** the earth, **on** the earth's surface, or **below** the earth's surface.

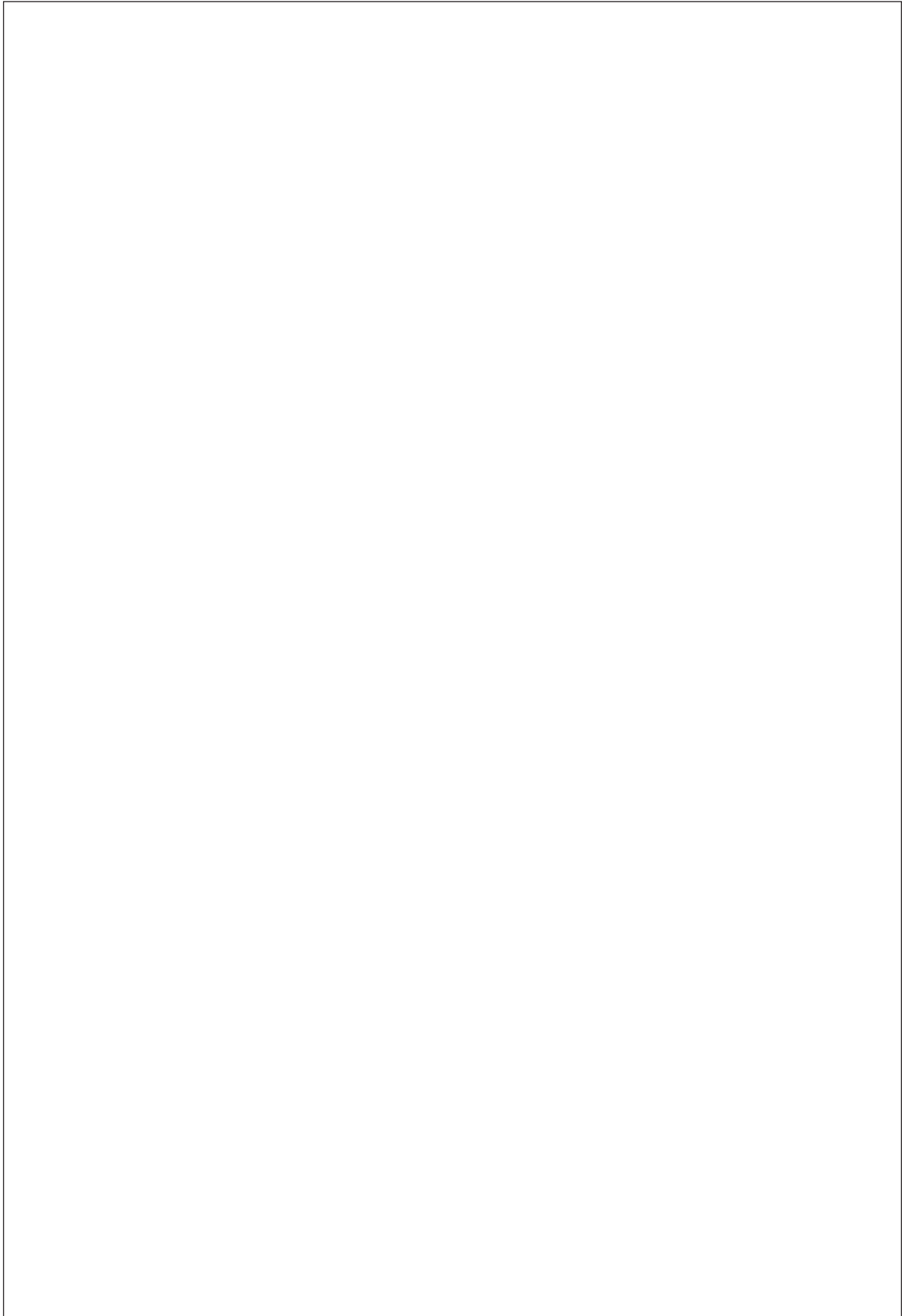(a)   Where do the extreme natural events listed below occur (above, on, or below the earth's surface)?

Earthquake: _____

Flood: _____

Tropical Cyclone: _____

(b) In the box below, draw an annotated diagram, or a series of annotated diagrams, to fully explain the processes that caused the extreme natural event that you named on page 2.

Add notes on your diagram(s) to explain how the processes work for your chosen environment case study (studies).

QUESTION TWO: Vulnerability of Environments to Extreme Natural Events

Read the geographic concept below and refer to it when answering this question.

Geographic Concept

Environments may be natural and / or cultural. They have particular characteristics and features which can be the result of natural and / or cultural processes.

Some **natural and cultural characteristics (features)** make an environment more vulnerable to extreme natural events.

Natural Characteristics (Features)	Cultural Characteristics (Features)
Location	Time and history of settlement
Geology	Preparedness
Landforms	Buildings
Relief	Infrastructure
Oceans and coastlines	Economic activities
Climate	Level of technology
Rivers and lakes	Level of development

Fully explain how at least ONE natural and ONE cultural characteristic (feature) of your environment(s) make it more vulnerable to your extreme natural event from page 2.

You may use characteristics (features) from the table above, or other examples.

In your answer, include specific, relevant evidence from the extreme natural event case study (studies) you named on page 2.

Natural characteristic (feature): _____

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Cultural characteristic (feature): _____

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QUESTION THREE: The Human Response to the Extreme Natural Event

Read the geographic concept below and refer to it when answering this question.

Geographic Concept
Change is a normal process in cultural environments. During an extreme natural event, change can be unpredictable or erratic, and can occur at varying rates, at different times, and in different places.

Fully explain how different groups of people have responded to the effects of your chosen extreme natural event(s).

In your answer, include specific, relevant evidence from:
•   the geographic concept of change
•   your extreme natural event case study (studies).

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QUESTION NUMBER

Extra space if required.
Write the question number(s) if applicable.