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## Level 1 Geography 2022

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

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 the question 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.

Do not write in any cross-hatched area (▨). This area may be cut off when the booklet is marked.

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

## INSTRUCTIONS

Name ONE type of **extreme natural event** and an **environment case study** (or studies) in which it has occurred that you will use to answer ALL parts of the question in this booklet.

Extreme natural event: \_\_\_\_\_

\_\_\_\_\_

Environment case study (or studies): \_\_\_\_\_

\_\_\_\_\_

Geographic concepts you may use in your answers include:

### **Processes**

A sequence of actions that shape and change environments.

### **Patterns**

May be spatial: the arrangement of features on the earth's surface; or temporal: how characteristics differ over time in recognisable ways.

### **Environments**

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

### **Interaction**

Involves elements of an environment affecting each other and being linked together. Interaction incorporates movement, flows, connections, links, and interrelationships, which work together and may be one-way or two-way interactions. Landscapes are the visible outcome of interactions. Interaction can bring about environmental change.

### **Sustainability**

Involves adopting ways of thinking and behaving that allow people to meet their needs and aspirations without preventing future generations from meeting theirs. It may be achieved by preventing, limiting, minimising, or correcting environmental damage to water, air, and soil, as well as considering problems related to waste, noise, and visual pollution.

### **Change**

Involves any alteration to the natural or cultural environment. Change can be spatial and / or temporal. It occurs at varying rates, at different times, and in different places. Change can cause further change.

### **Kaitiakitanga**

Involves guardianship of, and caring for, te whenua (the land). It is the sustainable use, management, and control of natural resources that are carried out to the mutual benefit of people and the natural environment.

### (a) Processes

In your answer, include geographic terminology, a geographic concept from page 3, and detailed case study evidence.



(b) **Vulnerability**

In order for people to be impacted by an extreme natural event, they have to be vulnerable to it in some way.

In the space opposite, draw a diagram(s) and/or map(s) to show how TWO characteristics (natural and/or cultural) of your case study environment made (or could make) people more vulnerable to your chosen extreme natural event.

Annotate your diagram/map(s) to include geographic terminology, a geographic concept from page 3, and detailed case study evidence.



(c) **Response**

Responses to extreme natural events usually include trying to minimise the effects of the events if or when they happen again.

Explain ONE way in which people responded to your extreme natural event in order to minimise its effects should it happen again.

In your answer, include geographic terminology, a geographic concept from page 3, and detailed case study evidence.



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