2

NZQA

NEW ZEALAND QUALIFICATIONS AUTHORITY
MANA TOHU MĀTAURANGA O AOTEAROA

QUALIFY FOR THE FUTURE WORLD
KIA NOHO TAKATŪ KI TŌ ĀMUA AO!

Level 2 Geography

91240   Demonstrate geographic understanding of a large natural environment

Credits: Four

Achievement	Achievement with Merit	Achievement with Excellence
Demonstrate geographic understanding of a large natural environment.	Demonstrate in-depth geographic understanding of a large natural environment.	Demonstrate comprehensive geographic understanding of a large natural environment.

SAMPLE ASSESSMENT

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 2–8 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.

Not Achieved

TOTAL   **2**

INSTRUCTIONS

Name ONE **large natural environment case study** you will use to answer ALL parts of the question in this booklet.

Amazon Rainforest

In your answers, you should:
- use appropriate geographic terminology
- refer to relevant geographic concepts
- integrate comprehensive supporting evidence from your case study.

Relevant Geographic Concepts

Environments

Environments may be natural and / or cultural. They have particular characteristics and features, which can be the result of natural and / or cultural processes. The particular characteristics of an environment may be similar to, or different from another.
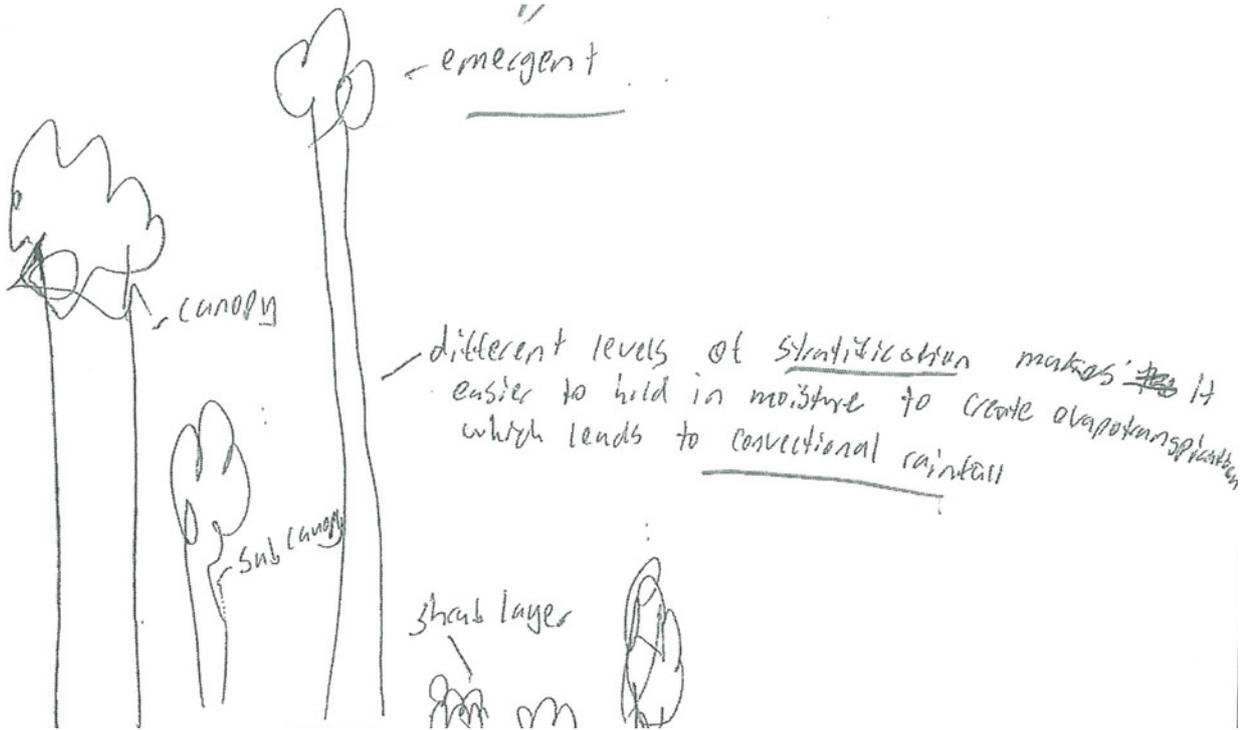
Perspectives

Perspectives are ways of seeing the world that help explain interaction with environments. They are bodies of thought, theories, or world views that *shape* people's values, and have built up over time.

QUESTION

(a) **Characteristics of the large natural environment**

In the space on page 3, use labelled sketch maps and / or diagrams to describe the **natural characteristics (elements)** of your environment. These characteristics may include:
- landforms (relief)
- climate
- soils
- vegetation.

Title: vegetation characteristic //

~ emergent

~ canopy

~ sub canopy

different levels of stratification makes it easier to hold in moisture to create evapotranspiration which leads to convectional rainfall

shrub layer

(b) **Interaction between elements or processes within the large natural environment**

Explain how elements and/or processes interact in your environment.

> **PLANNING (optional)**

The subduction of the Nazca plate under the south American plate has caused fold mountains to uplift which today has formed the Andes this process has changed the ~~rat~~ interacting process ~~those~~ of climatic by affecting the rate of rainfall. The 8,000 m ~~tall~~ Andes mountains now cause orographical rainfall which has led ~~H~~ to the ~~increase~~ increase of more than rainfall of ± 100 inches per year.

(c) **Changing perspectives on the large natural environment over time**

Identify two groups / individuals who each have a **different** perspective on your environment. These perspectives may include:

- cultural
- economic
- political
- environmental.

Explain how the perspective of each group / individual has changed over time.

Group / individual (1): _Jari developers_

Group / individual (2): _____

PLANNING (optional)

The Jari Project was created by developers who saw there was
a gap in the world for wood pulp to make paper. The developers
perception was they only saw economic wealth. Not the challenges
The developers perception perspective changed once they realized the The
African fast growing tree wasn't 100,00 ha of African fast growing

trees wouldn't grow. They realised that the jungle crushers destroyed the humus layer the top part of the soil the most fertile this is why the tree didn't grow.

The ~~tini project~~ developers then changed there perspective and planted pine trees because pine trees were suited to the ~~en~~ natural environment. The developers began to realise the harsh environment of the Amazon so the developer planted natural Amazon trees ~~pot~~ and pine trees next to eachother to balance the ecosystem ~~as well a~~ and to have different levels of stratification, shrub layer, sub canopy, canopy and emergents. This change was very good because it means soil won't be exposed to the sun, rainfall and wind because this accelerates leaching and erosion.

Another reason why the developers changed there perspectives to plant pine trees with native Amazon plants is because the last ~~plantation~~ plantation that grew all African trees was monoculture meaning it is vulnerable to disease and pests. ~~because~~

At the begining the perspective of the developers was all about economic wealth, thinking it would be straight focward. Their perspective changed and they knew ~~it~~ there would be some economic wealth but it will be a big challenge. By 1596 the plantation had 20,000 ha and produced paper earning US $ 60 million per year.

Not Achieved Exemplar for 91240 2016 Sample Assessment	Total Score	2
Part	Comment	
a	The diagram attempts to describe only one characteristic (vegetation) of the environment.	
b	There is limited discussion of the interaction of the elements. Little supporting evidence is used.	
c	There is some understanding of how the named group / individual's perspective has changed over time.	
Comment on Holistic Judgement	Overall, this paper does not fulfil the requirements for Achievement. The diagram attempts to describe only one characteristic, and there is limited discussion of the interactions of the environment. There is some understanding of how one group / individual's perspective has changed, but only some use of supporting information.	