

91243



NEW ZEALAND QUALIFICATIONS AUTHORITY
MANA TOHU MĀTAURANGA O AOTEAROA

2

SUPERVISOR'S USE ONLY

Level 2 Geography, 2012

91243 Apply geography concepts and skills to demonstrate understanding of a given environment

9.30 am Thursday 22 November 2012

Credits: Four

Achievement	Achievement with Merit	Achievement with Excellence
Apply geography concepts and skills to demonstrate understanding of a given environment.	Apply geography concepts and skills with precision to demonstrate in-depth understanding of a given environment.	Apply geography concepts and skills with precision to demonstrate comprehensive understanding of a given environment.

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.

Pull out Resource Booklet 91243R from the centre of 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

ASSESSOR'S USE ONLY

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

QUESTION ONE: MAPS, PHOTOGRAPHS, AND SATELLITE IMAGES

Refer to **Resources A and B** on pages 2 and 3 of the resource booklet when answering (a) and (b).

- (a) What is the projected **population percentage increase** for Tauranga City by 2051?

- (b) List **THREE significant industries** that are contributing to Tauranga's growth.

(1) _____

(2) _____

(3) _____

Refer to **Resources C and D** on page 4 of the resource booklet when answering (c), (d), and (e).

- (c) Name the **island** that helps form the natural harbour Tauranga is located on.

- (d) What **landform** to the west of Tauranga has created accessibility issues for the city?

- (e) Describe the **pattern** of settlements located in the Western Bay of Plenty.

Refer to **Resources D and E** on pages 4 and 5 of the resource booklet when answering (f) and (g).

- (f) Circle the **angle** that this photograph has been taken from:

ground level

oblique

vertical

- (g) What **direction** was the photographer facing to take this photograph?

Refer to **Resource E** on page 5 and **Resource F** on pages 6 and 7 of the resource booklet when answering (h) and (i).

(h) Name the **suburb** marked **A** on Resource E.

(i) Name the **location** marked **B** on Resource E.

Question One continues on the next page

Refer to **Resource F** on pages 6 and 7 of the resource booklet when answering (j) to (m).

- (j) On the **précis map** below:
- (i) Complete the coastline from Tauranga Airport around Mount Maunganui
 - (ii) Locate and label Tauranga Airport
 - (iii) Locate and label the oxidation ponds
 - (iv) Locate and label Kopukairua located at 855192
 - (v) Locate and label Waikareao Estuary.



Key:

	Coastline
	Tauranga Airport
	Oxidation ponds
	Kopukairua
	Waikareao Estuary

- (k) What is the **straight-line distance** from Otumoetai Pa to Mount Maunganui Pa at grid reference 797304?

- (l) Provide the **six-figure grid reference** for the historic Māori Pa located on Oruamatua Point.

- (m) Using specific information from Resource F, provide a detailed reason **why** there are so many beacons located in Tauranga harbour.

Refer to **Resources D, E and F** on pages 4–7 of the resource booklet when answering (n).

- (n) Fully explain **how** the **layout** of Tauranga City has been affected by its **location**.

Use specific information from the resources to support your answer.

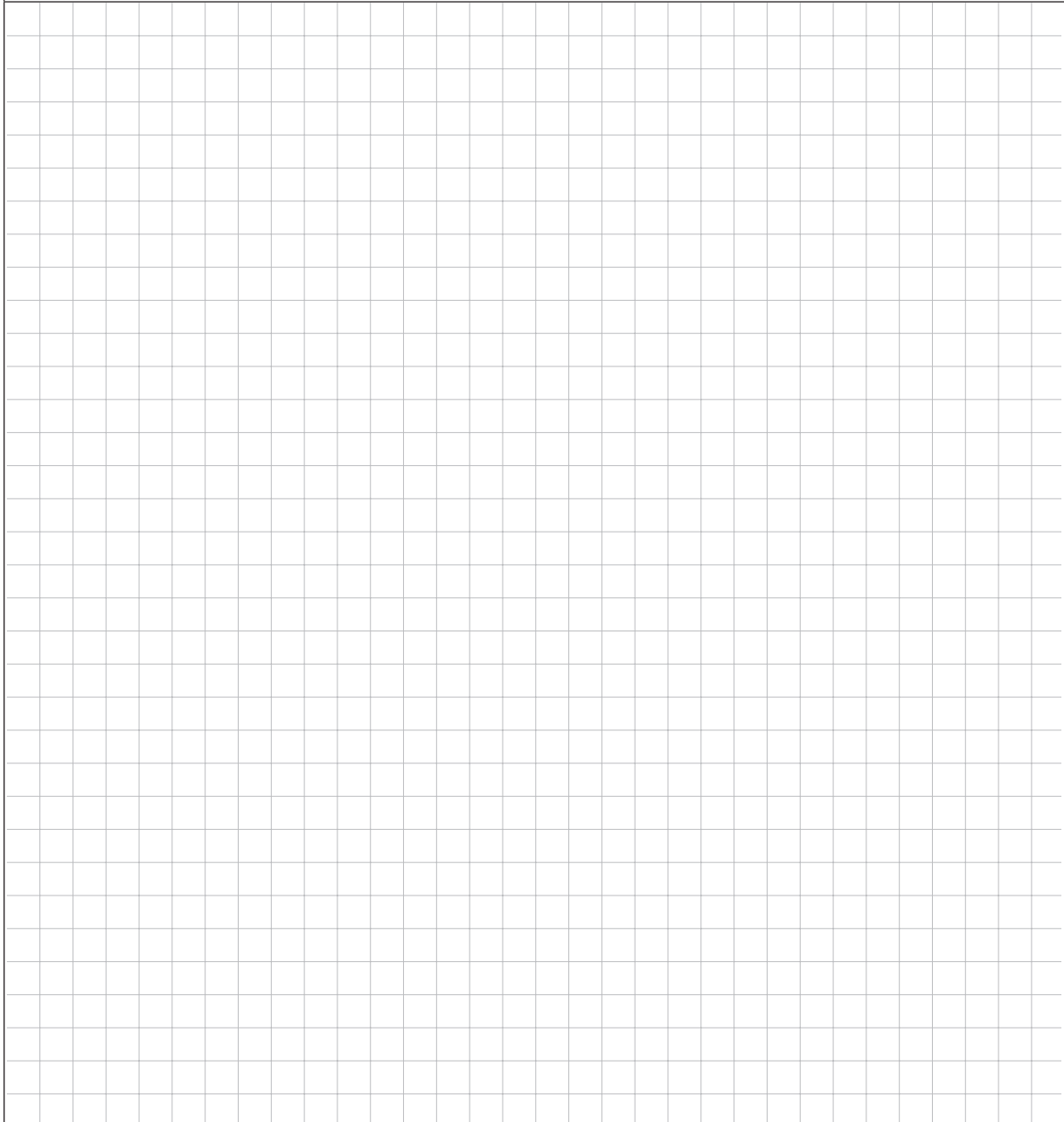
QUESTION TWO: GRAPHS, TABLES, AND STATISTICS

Refer to the **table** below when answering (a) and (b).

Population for Tauranga and New Zealand from 1961 to 2021 (predicted)							
Year	1961	1971	1981	1991	2001	2011 (estimate)	2021 (predicted)
Tauranga	26 586	40 349	53 097	67 332	91 836	113 835	131 300
New Zealand (millions)	2.42	2.86	3.18	3.37	3.74	4.43	4.60

- (a) Construct a **double-line graph** to compare Tauranga's population with New Zealand's total population from 1961 to 2021.

Title:



- (b) Compare the **population growth** for Tauranga and New Zealand as illustrated in the graph you have drawn in (a).

Use specific information to support your answer.

Refer to **Resources G and H** on page 8 of the resource booklet when answering (c) and (d).

- (c) State **TWO differences** in the age structure of Tauranga's population compared with the Rest of New Zealand's population.

Use specific information from Resource G to support your answers.

(1) _____

(2) _____

- (d) Tauranga's climate has been described as one of the reasons why people choose to live there.

Use specific information from Resource H to support this statement.

QUESTION THREE: APPLICATION OF GEOGRAPHIC CONCEPTS

ASSESSOR'S
USE ONLY

People expect the infrastructure and services of the Western Bay of Plenty, and in particular Tauranga City, to match the lifestyle and climate that draw them to the region. This continues to create challenges.

Read the Geographic Concept below and refer to it, as well as **ALL of the resources** on pages 2–10 of the resource booklet, when answering (a).

Geographic Concept

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

- (a) Fully explain the **characteristics** of the natural and cultural environment that are contributing to Tauranga’s rapid population growth.

Use specific information from ALL of the resources to support your answers.

- (i) Tauranga’s natural environment:

- (ii) Tauranga’s cultural environment:

Read the Geographic Concept below and refer to it, when answering (b).

Geographic Concept

Change is a normal process that involves any alteration to a natural or cultural environment. Change occurs at varying rates, at different times, and in different places. Change can bring about further change.

(b) In 2051, Tauranga and its surrounding area will be a different place to the Tauranga of 2012.

Fully explain the **changes** to the natural and cultural environment of Tauranga, and its surrounding area that will create this different landscape.

Use specific information from ALL of the resources, particularly **Resources I and J** on pages 9 and 10 of the resource booklet, to support your answer.

Part (b) continues on the next page

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

**ASSESSOR'S
USE ONLY**

**QUESTION
NUMBER**

91243