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NEW ZEALAND QUALIFICATIONS AUTHORITY
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QUALIFY FOR THE FUTURE WORLD
KIA NOHO TAKATŪ KI TŌ ĀMUA AO!

SUPERVISOR'S USE ONLY

Level 1 Geography, 2018

91010 Apply concepts and basic geographic skills to demonstrate understanding of a given environment

2.00 p.m. Friday 9 November 2018
Credits: Four

Achievement	Achievement with Merit	Achievement with Excellence
Apply concepts and basic geographic skills to demonstrate understanding of a given environment.	Apply concepts and basic geographic skills to demonstrate in-depth understanding of a given environment.	Apply concepts and basic geographic skills 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 91010R 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 2–11 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

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QUESTION ONE: THE GRAND CANYON ENVIRONMENT

Refer to **Resources A, B, and C** on pages 2 and 3 of the resource booklet when answering this question.

(a) Describe, in detail, the location of Grand Canyon National Park.


(b) Name three settlements that are located **inside** Grand Canyon National Park.

(1) _____ (2) _____

(3) _____

(c) Complete the précis sketch below to identify the following natural features of the Grand Canyon. Ensure you use geographic conventions.

- North Rim/plateau
- South Rim/plateau
- the steep, layered walls of the canyon
- Colorado River.

Title:			
			
Key:	<input style="width: 100%; height: 20px;" type="text"/> North Rim/plateau	<input style="width: 100%; height: 20px;" type="text"/> South Rim/plateau	
	<input style="width: 100%; height: 20px;" type="text"/> Steep, layered walls of the canyon	<input style="width: 100%; height: 20px;" type="text"/> Colorado River	

Read the geographic concept below and refer to it, as well as **Resources A, B, and C**, when answering part (d).

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Geographic concept: 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.

- (d) Fully explain how the Grand Canyon National Park and surrounding area can be considered BOTH a natural AND a cultural environment.

It can be considered a natural environment because:

It can be considered a cultural environment because:




QUESTION TWO: THE GRAND CANYON AND PATTERNS

- (a) Draw a line graph to represent the information in the following table. Ensure you use geographic conventions.

Visitor numbers to Grand Canyon National Park (1926–2016)

Year	1926	1936	1946	1956	1966	1976	1986	1996	2006	2016
Number of visitors (000s)	■	■	■	■	■	■	■	■	■	■

Title: _____



If you need to redo this task, use the space on page 9.

Refer to **Resources D and E** on page 4 of the resource booklet when answering parts (b) and (c).

- (b) (i) Identify the month in which the Grand Canyon National Park experiences its **highest** tourism flow. How many visitors does it get in that month?

Month: _____

Number of visitors: _____

- (ii) Identify the month in which the Grand Canyon National Park experiences its **lowest** tourism flow. How many visitors does it get in that month?

Month: _____

Number of visitors: _____

- (c) Describe, in detail, the range (annual variation) in temperature in Grand Canyon National Park.

Read the geographic concept below and refer to it when answering part (d).

Geographic concept: Patterns

Patterns may be **spatial**—the arrangement of features on the earth’s surface; or **temporal**—how characteristics differ over time in recognisable ways.

- (d) Fully explain the pattern(s) of visitor numbers to Grand Canyon National Park between 1926 and 2016, including seasonal variations.

In your answer, include the geographic concept of patterns, as well as specific evidence from your graph in part (a) and **Resources D, E, and F** on pages 4 and 5 of the resource booklet.

Pattern of visitor numbers between 1926 and 2016:

Seasonal pattern of visitor numbers:

QUESTION THREE: PERSPECTIVES ON FUTURE DEVELOPMENT

Refer to **Resources G, H, and I** on pages 6 and 7 of the resource booklet when answering parts (a), (b) and (c).

Use the cartoon below to answer part (a).



Source: <http://monticello-walden.blogspot.co.nz/2012/01/ecobama-saves-grand-canyon.html>

(a) List the three groups of people represented in the cartoon above who have an interest in Grand Canyon National Park.

(1) _____

(2) _____

(3) _____

(b) On the précis map on the opposite page, identify the following areas of Grand Canyon National Park that are being considered for future development. Ensure you use geographic conventions.

- the area south of the canyon proposed for uranium mining
- the location of the proposed Escalade
- the location of the proposed housing development.

Title:

Key:

- (c) Name the two developments you have identified on your map that are likely to be in conflict with each other, and explain why they would be in conflict.

Development (1): _____

Development (2): _____

Why they would be in conflict:

Question 3 continues on page 8 ►

Read the following geographic concept and refer to it, as well as **Resources G, H, and J** on pages 6–8 of the resource booklet, when answering part (d).

Geographic concept: Perspectives

Perspectives involve the way people view and interpret environments. Perspectives and values may be influenced by culture, environment, social systems, technology, economic and political ideas. They may influence how people interact with environments, and the decisions and responses that they make.

- (d) (i) Place the four speakers from the quotes in **Resource J** onto the values continuum below.



- (ii) Fully explain TWO of these speakers' perspectives on the Escalade project.

Speaker (1): _____

Perspective: _____

Speaker (2): _____


Perspective: _____



SPARE GRAPH

If you need to redo Question Two (a), use the grid below. Make sure it is clear which answer you want marked.

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Title:	
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