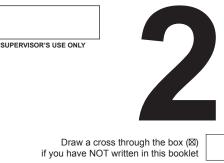
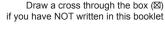
No part of the candidate's evidence in this exemplar material may be presented in an external assessment for the purpose of gaining an NZQA gualification or award.



+

91242







Mana Tohu Mātauranga o Aotearoa New Zealand Qualifications Authority

# Level 2 Geography 2024

# 91242 Demonstrate geographic understanding of differences in development

Credits: Four

Achievement	Achievement with Merit	Achievement with Excellence
Demonstrate geographic understanding of differences in development.	Demonstrate in-depth geographic understanding of differences in development.	Demonstrate comprehensive geographic understanding of differences in development.

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 2–10 in the correct order and that none of these pages is blank.

Do not write in the margins (1/1/1/2). This area will be cut off when the booklet is marked.

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



No part of this publication may be reproduced by any means without the prior permission of the New Zealand Qualifications Authority.

#### QUESTION

(a) Name ONE factor and explain how it contributes to differences in development in named case study areas/regions.

Factors that contribute to differences in development may include:

- natural factors, e.g. climate, location, or natural resources
- cultural factors, e.g. colonisation, trade, or political systems.

(li mate Factor: Diagram of how climate PLANNING interolets with Development Ar cools and conductes forming crouds and precipitation cord dense air sinks Air is forced & to rise due to the pressance of the great Deviding As air gets closer Range to the earths suface it warms ap, ceating cold maist air desert live condition biows over the tagmansica Deviding Great and enviroments Range Alice springs (Desert) Tasman Sydney sca

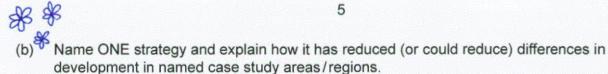
Based on the core and periphery modal, Mustralias core is more developed than it's periphery. The core consists of state Capitals (excluding Darwin) and is made up of both an Eastern and western core. In the Hestern core is perth and in the Eastern core is sydney, melbourne, Brisbane, and Adalaide, etc. The periphery consists of the Australian Outbach, Darwin, and Alice Springs, etc. We can see in the diagram above in the planning Section, that climate interacts with development and has contributed to the diffurence in development between these two areas in Australia.

Both the Eastern and western core of Australia are localed in temperate climate zones. Temperate climates are those which don't experiance temperature or rainfall extremes, making them ideal for human life. These core areas also receive the most ambunt of orographic (relief) rainfall due to the presance of the areat Devicting Range. This mountain range askas a barrior to K Moist air from the Tasman sea, causing prographic rainfall. For example, Queensiand seccives up to 4000 mm of rain p.a. and Costal NSW (New south wales) receives roughly 1200mm of rain p.a. This is ample rainfall for agriculture, industry and domestic use. Even during dry periods such as the mellenium drought from 1945 to 2011, and the 2019 drought in which 1007. OF NSW was in draught, core areas such as sydney benefited from there water infostructure. In sydney this includes 11. inter-connected dams including the warrolgamba dam. As well as this main costal aruas also use describention plants that turn Sea water into Presh water Sydneys is the largest and can provide up to 15%. of it's entire water supply. Sydney also has one of the largest per capita booter storages in the world. Lastly, the western sector of the Creat Deviding Range in NSW is also good for commercial grain operations. This is because of the murry - Darling River Basin . Farms here bunching from irrigotion from the river during dry periods This river system is fed by orographic rainfall due to the presance of the areat Deviding Range. The Bossin produces 1/3 of the nations food supply and is home to roughly 40% of it's farms and 65% of it's irrigation farms. This water infostructure means that core areas have not been negativity imported by Climate and are not Climate dependent. people in the core ....



SPace 00377

Geography 91242, 2024



5

(RFOS) Royal flying doctors service Strategy: may showing the core and PLANNING N Periphery areas of Australia 250,000 95% OP M NT water comes from boncholds Indian Coral occan 354. of Australia receives so little rain it is effective Northum Rucinstand dexer Lustern Territory Bisbanc Australia = LOR · Alice springs in 2018, 100% of NSW was in olrought South Jydnew Perth Austratio NSW = Ocviding Range Tasman Sca Adalaide = Tropic of capricorn nelbourne Tasmania = Jet Stream = Periphery

Following the core and periphery model, Austrollias core is more developed than it's periphery. This includes access to healthcare Scruices, treatment and workers. In rural areas men are 2.5 times, and women are 2.8 times more likely to die of potentionally avoidable causes than in the core. As well as this, in the puriphury puople are 2 times more linely to be hospitalized and 207, more linely to contract a disease than in the core. This has led to a difference in life expectancy rates, 84 inth core and roughly 74 in the periphery ( e.g. in the NT, life expectancy at birth is 76).

This descreptioney in beauth between the core and the periptery is due to a lach of access to healthcare in the periphery. Geographically Isolated People in rural areas are disaducintaged, with over 45,000 people in Australia not having an general medical centre within a 1 hour drive from this house. This limited healthcase is Said to have effects on people within the periptery, with the Royal flying Doctors service (RFDS) saying "we often notice that communities disregard of purt off this health issues due to a lack of primary care." In the periphery three are only 13 doctors per 1000 people and only 7 hospitals in the NT.

To combat this poor access to healthcare in the peripherys the RFOS, established in 1928, ases the lottest aviation, medical and connections technologaly to provide 24-tour energiney and non-emerginey care. This Essentional servace provides assurance to people vorting, living, and travailing in rural and remete Australia, were healthcare services are few and Far between. From 2022/23 the RFOS transported over 27,000 patients by air and 59,000 by road. In any given year they also deliver 13,000 community health consolitations. As well as such years bealth, the RFOS asso offers mental health and well-being Support. Each year they offer over 2000 face - to face mental health consolitations in Just the NT and the outbach. This haps to combate combat increased mental health and Suicide issues within the periphery.

Therefore, this stratergy has been and continues to be effective in helping reduce the difference in development between the core and periphery of Australia. By increasing access to healthcoute in the periphery, geographically isolated people ...

> Exerca space 00377

6

QUESTION	Extra space if required. Write the question number(s) if applicable.
٩	(a) are also less climate dependant as only 0.7% of
-	it's population work in agriculture, with the maderity working
	in the tertiary and quaternary sectors. This has led to
	a higher average income within the core of \$80,000 and
	thus a higher home ownership persentage of 70%.
	Because core areas of Australia have not been negativity effected by
	climate and recent droughts, this core areas have continued to
	grow. From 2012 to 2018 the population of the core grow by raughly
	1.8 million (200,000 in melbourne and ssq.000 in sydney).
	Sydney now has a population of over smillion, and because
-	of this, access to healthcase is good. In core areas three
	are appearomity 4.4 doctors per 1000 people and in NSW alone
	there or 394 hospitals. More people living within core areas,
	means more people who have completed higher levels of education
	(777. complete secondary schooling, 417. complete Tertiary education),
-	and thus more people are likely to work in shilled occupations.
	As well as this, care areas also have numerous specifist Survices. as medi
	For example, in sydney my have the sydney childrens hospital, the
	Sydney dental hospital, the Sydney eye hospital, and the Royal
	hospital for women. Better access to healthcare services within the
	Core areas to will mean that overall people within the peripherty are
	healthict than those in the Gore This is seen through a high life
	expectancy at birth of 84 in the core. This indicates not only
	a good quality of life but also high levels of development in
	the core of Australia.

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

8

NUMBER	
	The periphery is located in arid /semi-arid climates that receive
	less rainfall than the temperate conditions of the core beause thy
	are located inland from the sea and away from the Great
	Ocuiding Range. Therefore H- mainland receives less than soo
	mm of rain p.a. And 35% of Australia receives so little rain
	it is affectivity descrit. As well as this, AST. of the Morthan
	Territorys water supply comes from boscholes, meaning that
	Some of Alice springs water is between 10,000 - 30,000 years
	old. Additionally, these greas in the periphery are also highly
	Susceptable to drought. However, white the core, during dry
	periods such as the mellinium drought and the zols drought,
	the periphery does not benefit from any water info structure. Thus
	arcas in the peripheny, such as Broken Hill are negatively affected
	by climate and are climate dependiant. People in the puriphery
	are also more climate dependant as 17%. of it's population
	work in agriculture. This means phoriphery communities are reliant
	on climate as this is what affects farmers income and thus
	this contributions to local bussinesses and services. During the
And depression	Multicitium drought 10,000 cotton farmers with their Jobs end
formers rose	during the 2018 drought, the average along farmers income
by 10 <sup>-1.</sup>	full by \$ 67,000. This has led to a low average income
	in the periphery of \$56,000 and thus low home ownership of
	42%
	Because of this over-reliance on climate within areas of the
	periphery, Towns such as Broken Hill are decilining economically and
	are expericancing a drop in population. People are having to
	Geography 91242, 2024 00377

00377

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

	Write the question number(s) if applicable.
	Icauc rural arcas as Farmers Oan no longer contribute to local
	bussinesses. This includes it farmers themselves, as reasearch shows
	that the number of formers in Australia has haved since 2001.
	This declining population can also be seen through the fact that
	the Australian outback covers 737. of Austrialia, yet only St.
	of the population lives here. we can also see the effects of
	climate on rural population numbers in a quote about Broken
	Hill "phycologically it [drought] is storring to effect us and
	this town is slowly being milled. School teachers, lawyers, thy
	won't come here and Broken Hill will die, people have already
	began to leave." This declining population within the periphery
	means access to education and healthcare is poor, as the population
	Cannot support the services. Thus only 57% of people complete
	Secondary education, and only 19% complete tertiary education. As
	well as this three are only 1.3 doctors per 1000 people and in th
	whole of the NT Here are Just 7 hospitals. The main hospital OF
	the NT, Royal Darwin hospital, has to make over 600 referals each
	year, and Tennahl creen hospital in the middle of the NT has
	only 20 beds. Additionaly, the periphery has 80%. femore specifists,
	657. Erwar phycologists and 687. Fewer optomotrists than the
_	Core. This lack as access to healthcare services in the periphery people in the periphery
	will mean that in general & they are less healthy than those in the core.
	This is made clear through the statistics, people are 2 times more
	linely to be hospitalized, and 20%. More likely to controlet a
	dissease in the periphery than in the core, and suicide rates are working
	2 times higher in IL periphery than in the core. This worsend poor
	health in the periphery has led to a lower life expectancy of

Geography 91242, 2024

00377

QUESTION	Extra space if required. Write the question number(s) if applicable.
	79 (66 in extremely remote areas). This not only shows us
	that poop within the periphery have a lower quality of life,
	but also that a that levels of development are lower in the
	core than in the periphery paul to climotte.
	Therefore, clearly climate in teracts with development, meaning
	that in Australia, people within the placriphery have a lower
	quality of life than those in the more developed core.
ь	(b) will be healthick and thus have a better quality of
	life. Not only will this improve the quality of life of people
	living in m periphery, it will also encourage more people to live
	in the periphery, without having to warry about not having
	access to medical scruices. More people in m periphery long
	turm will result in more dobs, more infostructure and more
	investment, bridging the gap in development between the core
	and periphery of Australia. Another notable stratergy that
	has helped improve this difference in development is the school of
	Air, established in 1951. The school of Air has helped over
	30,000 studants since 2003 gain access to a distance
	Education, helping them to complete this education and
	thus z gain opotunities that will help repair this gap in deve-
	lopment in Austrollia.
	•

# Excellence

Subject: Geography

**Standard:** 91242

## Total score: 07

Grade score	Marker commentary
	This response answers both parts of the question well and provides clear evidence for an E7. The response integrates case study evidence and uses geographic terminology concepts throughout.
E7	Part A fully explains the factor of climate and how it influences differences in development within Australia. The candidate incorporates geographic concept knowledge clearly and uses a good range of case study evidence (development statistics) to enhance the response.
	Part B explains the strategy clearly and how it improves development in the periphery of Australia. More explicit reference to reducing the differences between the core and periphery would extend the answer.
	Holistically, an Excellence-level understanding of differences in development between two case study areas is demonstrated. The map and diagram enhance the overall response.