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2

91222



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Mana Tohu Mātauranga o Aotearoa New Zealand Qualifications Authority

Level 2 Economics 2024

91222 Analyse inflation using economic concepts and models

Credits: Four

Achievement	Achievement with Merit	Achievement with Excellence
Analyse inflation using economic concepts and models.	Analyse inflation in depth using economic concepts and models.	Analyse inflation comprehensively using economic concepts and models.

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.

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 2–16 in the correct order and that none of these pages is blank.

Do not write in the margins (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.

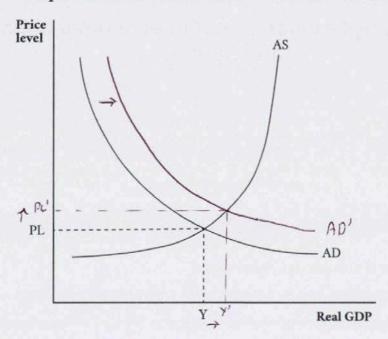
TOTAL 17

QUESTION ONE: Causes of inflation



(a) On Graph One below, show the impact on aggregate demand of the Fieldays event being held in the Waikato region in 2024.

Graph One: AS/AD model of the New Zealand economy



(b) Explain the impact on inflation of the Fieldays event being held in the Waikato region in 2024. Refer to Graph One in your answer.

The refurn of the fieldays event will see at an increase in consumer spending as approx \$250 minion is injected into the NZ economy from the event and also 2000 hull year jobs are created which will increase household income and threfore consumer spending as they have more disposable income. Export reciepts will also increase as international Visitors come to NZ for the event. Consumer spunding and

export reciepts are both components of the AD -CX 1 + G x (x-1m) model

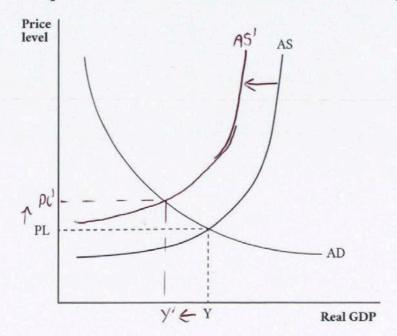
60 as they increase so foo will aggregated demand, this shifts the

AD come right from AD to AD nesulting in an increase in the price

level of from PL to DC which there fore nesults in inflation. (demand-pull
inflation)

(c) On Graph Two below, show the impact on aggregate supply of Cyclone Gabrielle and the higher production and insurance costs for New Zealand businesses.

Graph Two: AS/AD model of the New Zealand economy



(d) Explain the impact on inflation of Cyclone Gabrielle and the higher production and insurance costs for New Zealand businesses. Refer to Graph Two in your answer.

As production and insurance costs rise due to the impacts of Cyclidre Gabrielle the costs of production for businesses all around New Zealand (NZ) increase. This leads to a decrease in aggregate supply, as NiNV Shifting the As curve left from As to AS! This results in an increase in the price level and there-fire an increase in the price level and there-fire an increase in inflation. Cost-Push Inflation.

(e) Discuss whether Fieldays or Cyclone Gabrielle is likely to have had the more significant impact on New Zealand's current inflation rate. Refer to Graphs One and Two in your answer.

Cyclone Cabrielle is liptly to have a more significant impact on N2's current inflation rate as the nesulting decrease in aggregate supply (As to As') due increased insurance costs and higher production costs effect almost all N2 businesses. However, the Fieldays has a more focused effect on just the Waihabo Region.

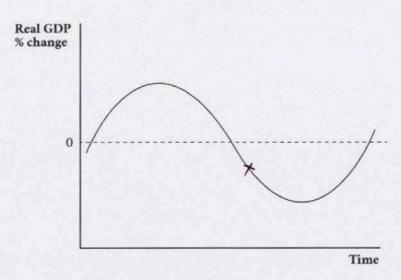
Both of these events result in inflation as the price cevel has increased from pc to p2' in both graphs however, the increase on Graph two as a result of the the increase on Graph two as a result of the the increased production and insurance costs due to exclone with Adolination is relatively larger. The larger increase in price level pages cyclone habitelle had a larger effect on N2's current inflation rate than we Fieldays

5

QUESTION TWO: Quantity theory of money and a recession

(a) Identify and mark with an X the point on Model One that best represents a recession.

Model One: The business cycle



(b) State the components of the quantity theory of money.

M: Money Supply

V: Velocity of circulation

P: Price level

Q: Real output

(c) Explain why the velocity of circulation is likely to decrease during a recession.

velocity of circulation is likely to decrease during a recession as velocity of circulation is the flow of money in the economy and during a recession propose consumers are use confident about the fibere so will not spend their money or put it into the economy decreasing the velocity of Circulation.

(d) Assuming all other variables remain constant, use the quantity theory of money to explain how a decrease in the velocity of circulation will impact inflation.

The theory of states that MV=PO quantity money money Supply remain velocity of the circulation decrease in proportionate decrease in the price Level. E.g. de aveases 5%. circulation Webcity inflation is an inmease Will decrease 5%. Because general price level, the decrease Will result in a decrease in inflation (deflationary pressure)

Some experts argue that the New Zealand economy could experience a recession across the next two years, with a significant decrease in output predicted.

(e) Use the quantity theory of money and the business cycle to explain how a recession may impact overall inflation.

In your answer, include:

- why real output may decrease during a recession
- how the change in velocity of circulation as well as real output will impact the price level in the economy.

may de crease Output a neeess 100 about furne uncertain Solls model Shown me one as a terms of 10 Real GDP be/ow is decreasing, Real output MV=PQ, When Level decrease true This often holds price having to the inflation. If well city it also decrease in Flation and mean The answer space continues on the next page >

of	inflation	may	not	be	as	high	
						The modern	
			S. I				

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QUESTION THREE: Impacts of inflation

New Zealand's annual inflation rate in 2023 was 4.7 per cent. This is a decrease from the annual rate in 2022, when it was 7.2 per cent.

(a) Define inflation.

Inflation is an increase in the general price level

(b) Explain whether workers on the minimum wage would prefer a lower or higher inflation rate.

Minimum wage workers prefer a lower inflation rate as their they are less likely to be able to regorbate a pay increase as the cost assumed waters of goods and services continue to increase but their wages remain at a start and a super value to the same. They want their nominal wage value to be as close to their real wage value as possible.

(c) Explain whether savers would prefer a lower or higher inflation rate.

Savers prefer a low touth such as well inflation sole was a sole of their savings remains closer to the real volve at a lower not flation rule. If inflation were to increase, their savings would rose value.

New Zealand's annual inflation rate of 4.7 per cent in 2023 was higher than all of our major trading partners. Annual inflation was 4.0 per cent in the United Kingdom and 3.1 per cent across the European Union.

Compare and contrast the impact of New Zealand's higher inflation rate on New Zealand importers and exporters to the United Kingdom and the European Union. inflation rate will impact MAN importers overseas when one of goods that were manufadand inflation rates are and sell them in Still maintaining profit while prids and increasing price competitiveness Consumers thather than locally produced ones. [LANAIN] However, NZ exporters will be worse high inflation rule. This is because rate of inflation means they will face increased costs of production in NZ and their products for more overseas to retain profit margins. They will lose price competationess recieve decreased revenue and

* NZ importers will recreve increased revenue and profits.

The answer space continues on the next page >

12	

Acknowledgements

Material from the following sources has been adapted for use in this assessment:

Question One

University of Waikato. (2019). 2019 Fieldays in New Zealand: Economic impacts for Waikato region and New Zealand. https://www.hugheseconomics.com/_files/ugd/8f4bb1_d963cabb753b4d7c8aab6f89908b32fd.pdf

Uys, G. (2022, March 15). Fieldays' new November date will come with big economic cost. Stuff. https://www.stuff.co.nz/business/farming/128046830/fieldays-new-november-date-will-come-with-big-economic-cost

Ministry of Foreign Affairs and Trade. (2023, March). Cyclone Gabrielle's impact on the New Zealand economy and exports - March 2023. https://www.mfat.govt.nz/en/trade/mfat-market-reports/cyclone-gabrielles-impact-on-the-new-zealand-economy-and-exports-march-2023. CC-BY-4.0.

Question Three

Stats NZ. (2024, January 24). Consumers price index: December 2023 quarter. https://www.stats.govt.nz/information-releases/consumers-price-index-december-2023-quarter/. CC-BY-4.0.

Subject: Economics

Standard: 91222

Total score: 17

Q	Grade score	Marker commentary
One	M5	The candidate's explanation of AD explanation referred to the components of AD.
		To achieve a M6 grade or higher, the AS explanation needed to refer to components and to producers increasing prices to maintain profit margins.
Two	M6	The candidate explained a reason for the decrease in consumer spending that decreases velocity of circulation.
		They used the quantity theory of money equation to explain that a decrease in velocity of circulation would decrease inflation by a proportional amount.
		To gain Excellence, there needed to be a thorough explanation about how both a decrease in the velocity of circulation and a decrease in real output affect inflation, using the quantity theory of money, including reference to proportional changes of the variables.
	M6	The candidate explained, with reference to price competitiveness, that New Zealand importers benefit, and exporters are worse off, if New Zealand has relatively higher inflation rates compared to trading partners.
		To achieve Excellence grade. There needed to be an explanation of why minimum wage earners and savers both prefer lower inflation rates, with reference to purchasing power.