

No part of the candidate evidence in this exemplar material may be presented in an external assessment for the New Zealand Scholarship award.

S

93402



934020

SUPERVISOR'S USE ONLY

TOP SCHOLAR



NEW ZEALAND QUALIFICATIONS AUTHORITY
MANA TOHU MĀTAURANGA O AOTEAROA

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

Tick this box if you
have NOT written
in this booklet

☐

Scholarship 2021 Economics

Time allowed: Three hours
Total score: 24

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 answer ALL the questions in this booklet.

Pull out Resource Booklet 93402R 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 2–28 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.

INSTRUCTIONS: Write an essay in response to EACH of the THREE questions in this paper. Question Two is on page 10, and Question Three is on page 18.

QUESTION ONE: The New Zealand honey market

Use information from **Resources A to C**, and your knowledge of micro-economic theory, to answer this question.

The beekeeping industry has seen significant growth over the past decade in response to strong demand and high prices for honey. However, over the past year honey prices dropped by as much as 25-50% on the previous season.


Analyse and evaluate the recent changes in the market for **raw honey** and the impact of these on individual beekeepers in the short run and long run.

In your answer:

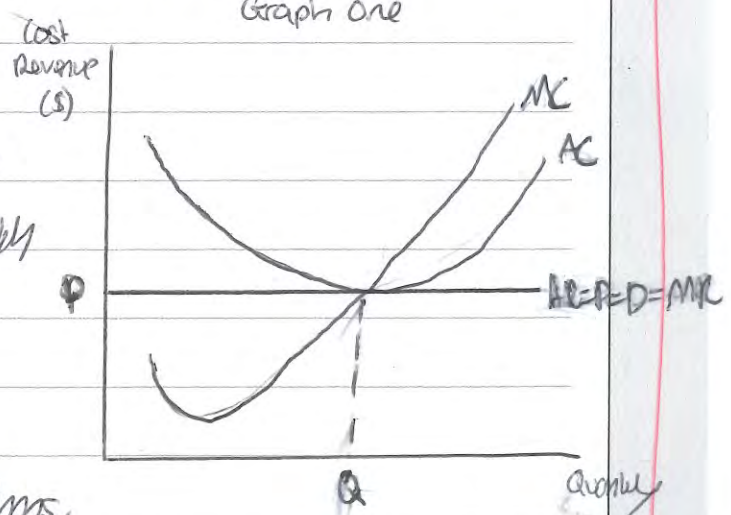
- use appropriate economic models throughout
- explain why the raw honey production industry could be considered to be an example of perfect competition
- analyse and illustrate the impact of the recent changes in the market for raw honey on individual beekeepers and why some beekeepers may shut down in the short run
- evaluate the differing impacts of increased supply and low interest rates on the market for honey and on individual beekeepers in the short run and long run.

Use this space for planning your essay. This plan will NOT be marked.

PLANNING

- Perfect Comp - homogeneous - lots of small individuals - perfect knowledge - sad to 'big predators'
- 
- \uparrow supply due to previous supernormal $\downarrow P$ so much supernormal $\downarrow P$
 - \uparrow supply low interest - cons \uparrow ? - \uparrow \downarrow depreciation \uparrow self interest

Perfect competition is a market structure made up of many small firms who sell homogeneous products, are price takers and have perfect knowledge. The raw honey industry could be considered an example of perfect competition as it is made of a large number of individual firms with, as source B explains, 'nearly 925000' hives. This is a huge number of firms, of which they are selling a near identical product as ^{all} the raw honey is the same, ^{and consumers do not differentiate between} with the beekeepers job just to 'filter the honey to remove small bits of debris; including pollen, beeswax'. Thus this raw honey is a homogeneous product, not becoming slightly differentiated until 'packers' industry. There is also perfect knowledge and raw honey producers are thus price takers as they are likely to sell to 'big packers' who are involved in 'further processing'. Thus, as seen on graph one, they face a horizontal demand curve, having to accept the market price but being able to sell as much quantity at this price. Thus, since the beekeeping industry has become quite 'competitive' (Source A) with a large number of small individual firms, a homogeneous product as no consumer cares which brand raw honey comes from and are price takers as a result. There are also weak/very low barriers to entry as any individual with a hive or back yard could decide to start selling raw honey. Thus the raw honey industry

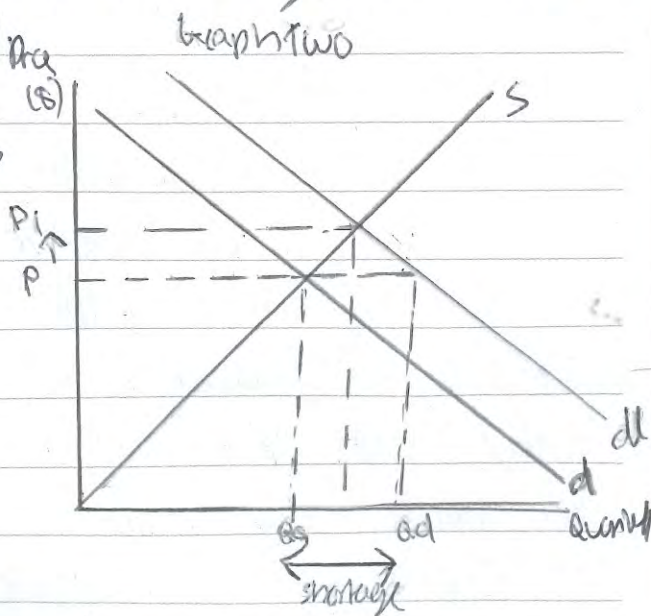


is perfectly competitive. Thus it has a horizontal $MR = P = AR = D$ curve due to being a price taker, a marginal cost curve (MC) following the law of diminishing marginal returns and an average cost curve. The perfectly competitive beekeepers will operate at $MR = MC$, earning a normal profit as this is equal to AC, and operating at the profit maximising position with no deadweight loss.

As source B states there has been 'huge growth in honey production over the past decade'. This is because the weak barriers to entry in the perfectly competitive market has made it very easy for more firms to set up and increase supply. This was a result of the 'market being crowded' as ~~it~~ and as potential producers saw 'the price of honey increase sharply over the previous 10 years' they were attracted to the 'above normal profits.' The price of honey is likely to have risen if a shortage occurred in the market. This could

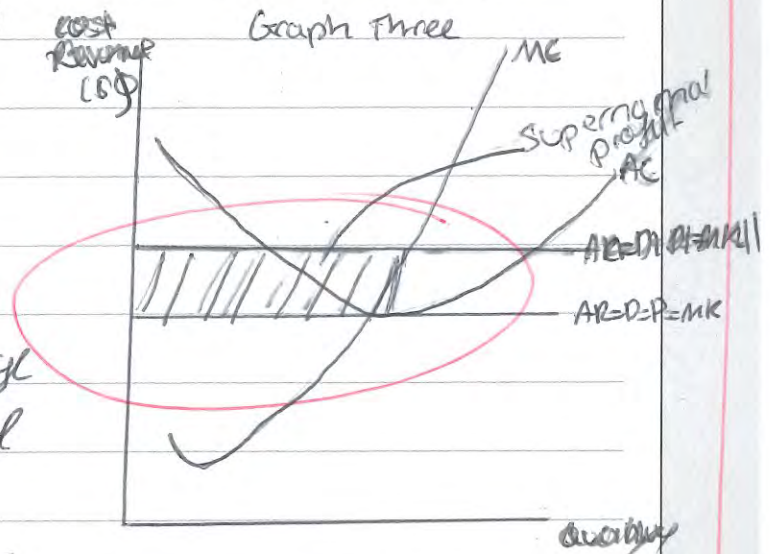
have been caused by an increase in demand or decrease in supply. For example an increase in demand from D_1 to D_2 would result in quantity demanded being greater than quantity supplied. As some consumers miss out on honey

the product they bid up prices and as price increases,



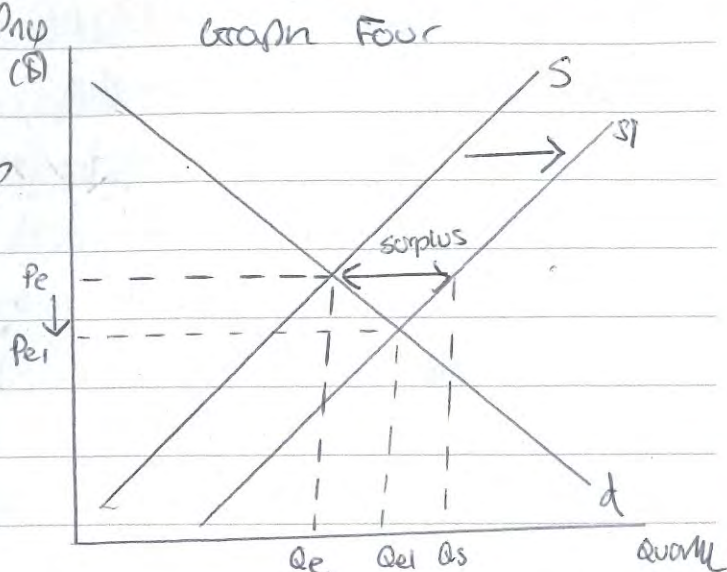
quantity supplied increases as it is now relatively more profitable, increasing supply as producers are now more willing and able to produce raw honey. No matter the reason for the increase in price, this increase in price would have been attractive to producers, as supernormal profits were now being made. As seen on graph three price increases due to the upwards shift

from $AR=D=P=MR$ to $AR=D=P=MR$ meaning that where $MR=MC$, average cost is less than average revenue, a supernormal profit, a return more than sufficient to keep the entrepreneur in the market. This attracted more firms who, due to the low barriers to entry were able to enter the market and set up hives.



This increase in supply with an 'abundance of honey' honey increased from 343 000 hives to 925 000 hives over the past decade has resulted in a surplus. This is because the increase in supply means that at the original equilibrium quantity, quantity supplied is now greater than quantity demanded, as seen on graph four. This has meant that firms are left with 'overstocking'. 'Honey reserves' have allowed them to cope. This

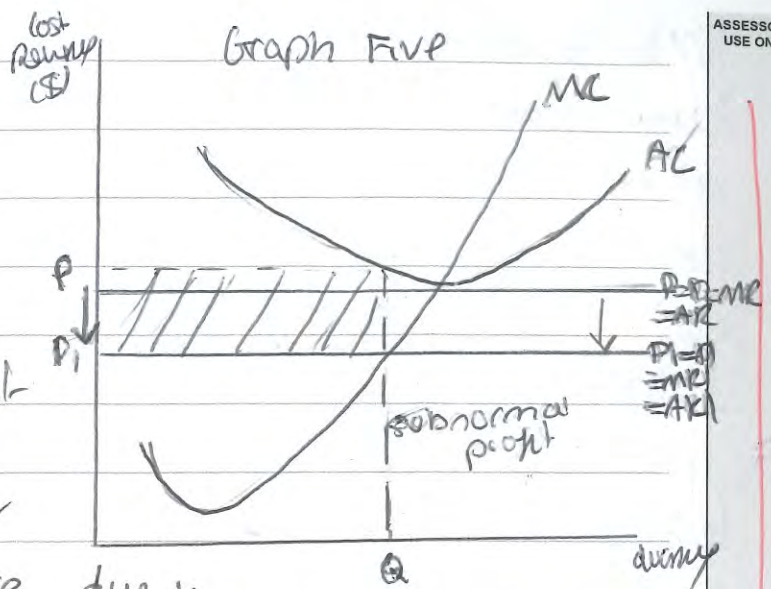
indicates that the price elasticity of supply is relatively elastic as firms have the ability to stockpile. As supply has increased from S_0 to S_1 and firms have been left with excess stock with a surplus at the original equilibrium. To get rid of excess stock firms have had to lower prices, as



demonstrated as the price of honey has fallen to \$3.50 to \$4 a kilogram from \$8 or \$9 previously. As price decreases, quantity supplied falls as it is now relatively less profitable for firms, quantity demanded will increase as consumers are more willing and able to buy it resulting in a new equilibrium at P_{e1} , Q_{e1} , eliminating the surplus.

However, these lower prices ~~being~~ having ~~dropped~~ as much as 25-50% has led to some beekeepers making a subnormal profit, a return insufficient to keep firms in the market. This is because at the profit maximising output where $MR = MC$, average cost is now greater than average revenue due to the price decrease causing a downwards

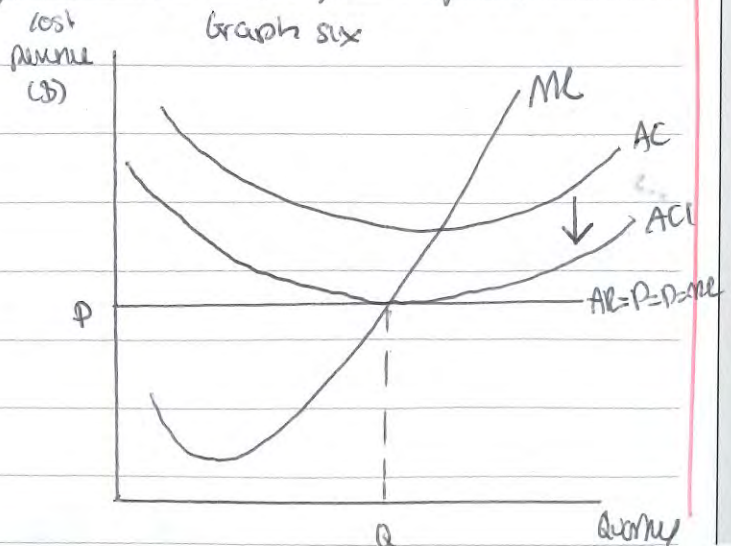
shift from $P=D=AR=MR$ to $P_1=MR_1=MR_1=MR_1$. This subnormal profit is seen by the shaded area. Since this is a market structure of perfect competition, firms will be forced to lower prices or miss out on market share due to



long price takes. This subnormal profit ~~are~~ is a return insufficient to cover costs leading to many beekeepers shutting down or leaving the market in this 'difficult time' as 'big players' were taking advantage of the situation. Thus, some beekeepers may shut down in the short run.

However, ~~the~~ the economy is also experiencing low interest rates with a 'sharp decline in interest rates in recent years' (Source C) which is likely to stay at this low amount for a significant amount of time. These low interest rates means there is a lower cost of borrowing and lower reward for savings. For beekeepers who have debt this will reduce debt ~~serving~~ serving costs for businesses and households. This may lead to a decrease in costs of production and average costs for some firms, allowing ~~the~~ some beekeepers to earn normal profits. Additionally, low interest will improve the macroeconomy, especially

Since it may lead to greater demand for New Zealand as consumption spending increases and investment spending rises as savings is discouraged. Since the decrease in supply is said to only be 'temporary' (Source) with 'long-term global demand for health and welfare products very positive' the demand for New Zealand could be expected to rise in the future. Since 'New Zealand has superb scenery' global demand may remain high. This will be furthered by lower interest rates causing a depreciation of the New Zealand dollar (NZD) as demand decreases and supply increases on the foreign exchange market as New Zealand is now a less attractive place for investors to save their money. Thus New Zealand will become relatively more price competitive overseas, further increasing demand for it. Thus, in the long-run the lower interest rates may lead to a lowering of average costs for firms as debt repayments on loans fall. This causes a downwards shift of the average cost curve from AC_0 to AC_1 , many firms will be able to operate at normal profits rather than subnormal.



profits could be obtained in the short term

possibly even supernormal depending on relative changes. Additionally, lower interest rates increased demand in NZ as consumption spending rises due to a lower incentive to save and lower mortgage repayments, increasing disposable incomes. The lower interest rates also cause a depreciation, which adds to the already positive global demand for New Zealand and will increase demand, increasing price. ~~Thus~~ In the long-run, even without a change in interest, as firms left the hockeystick industry the supernormal profits due to the increase in supply would turn into normal profits due to price rising. Combined with the lower interest rates increased demand this is likely to result in a possible long term situation for hockeysticks as they earn a normal or supernormal profit in the long term. Overall, a normal profit in this market will be maintained due to being perfectly competitive. Overall in the short run, the decrease in supply will result in ~~the~~ hockeysticks earning supernormal profits, leading to some firms shutting down and using resources to produce a related good. However, in the long-term a normal profit will be maintained as costs fall due to lower interest rates and ^{price} demand increases due to lower firms and increasing demand.

QUESTION TWO: New Zealand waterways

Use information from **Resources D to H**, and your knowledge of micro-economic theory, to answer this question.

Recent research has highlighted issues with the water quality in New Zealand lakes and waterways, particularly as a result of urban development, farming, and forestry.

Analyse the externalities created from these industries for New Zealand waterways, and evaluate economic policy options that could be used to improve the quality of New Zealand waterways over time.

In your answer:

- use appropriate economic models throughout
- explain why waterways in New Zealand could be considered to be an example of public goods, and how free-rider behaviour impacts the ability to control waterway quality in New Zealand
- analyse the externalities associated with waterways as a result of waterway-polluting industries and the impact on the allocative efficiency of these markets as a result
- evaluate THREE options from **Resource E** for addressing these externalities and improving the quality of New Zealand waterways in terms of equity, efficiency, and likely effectiveness.

Use this space for planning your essay. This plan will NOT be marked.

PLANNING

Public good - no one has incentive to take into account costs involved

non-rival
non-excludable
non-depletable

Negative externalities of consumption
production

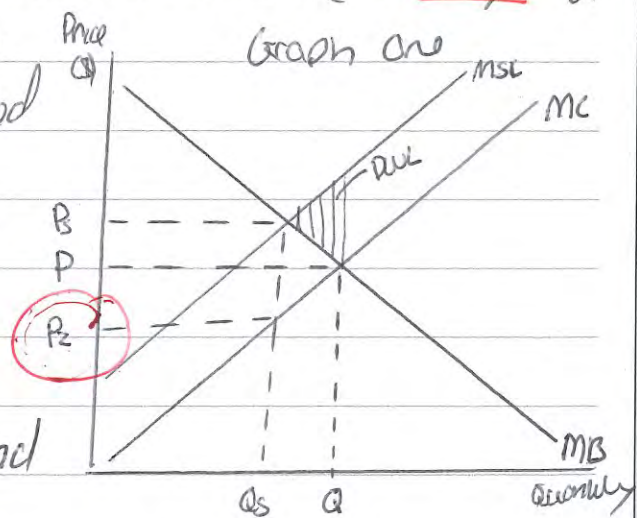
capacity limits
excess
mes

A public good ^{according to some} is one that is non-excludable by price, non-rival and non-depletable, and it ~~therefore~~ has no cost usually being ^{correct} paid for by the ~~house~~ government. Waterways in New Zealand could be considered a public good because they are non-excludable by price, as one consumer can't pay and thus stop someone else from using it, non-rival, as one individual using it does not prevent another individual using it and non-depletable as it is assumed to not run out and be abundant in society due to the huge number of waterways in New Zealand (NZ). It is considered non-depletable as rain and other environmental movements fill it up again. The huge amount of waterways in NZ with '70 major river systems', '249 776 hectares of wetland' and '440 billion litres of water flow in our rivers and streams' as well as many more mean it is very hard for one producer or consumer to make it rival, excludable or depletable. Thus it is an example of a public good and will ~~also~~ encounter the free rider problem as no producer or consumer has the incentive to take into account the costs production or consumption have on waterways, being able to use them for free. This free rider behaviour makes it very hard to control waterway quality in NZ as no one individual is responsible or likely to own up and pay to deal with waterways due to it being a public good. Thus

No government may find it very hard to control these waterways. 7

This is very significant considering the negative externalities of production that are affected by these waterways. Negative externalities of production are negative spillover costs on a third party, such as those affected by polluted waterways, due to the production of a good or service, such as urban development, farming and forestry. This is because these 'diverse and unique range of freshwater species, habitats and ecosystems' are coming 'under threat' due to the 'conversion of land to cities, towns, farms and plantations' by clearing native forests and wetlands, 'reducing flows' and 'changing waterways from the natural form' such as building dams. More specifically how we live and use our land can result in excess nutrients 'entering freshwater and causing harm', pollution. This is done in the production of farmed fish through 'increasing the number of cattle per hectare', 'felling and burning trees' and 'applying pesticides and fertiliser' as a part of the production process. These water polluting industries are one thus resulting in negative externalities of production as '76% of our native freshwater fish were either threatened or at risk of extinction' and '40% of lakes in poor health'. This has very negative effects on society, especially in

urban areas where pollution is worse due to being viewed as 'drainage networks' (Source etc) as these pollutants kill and harm our ecology and environment, causing sickness in humans with contact or drinking and being flushed out to sea and further harming individuals as they swim in it and have negative health affects as a result, a drain on the health care sector. We rely on our ecology and environment like some and if our water and lunging system are killed by these pollutants our environment could change drastically, not allowing society to act and live as it did before, or thus water polluting industries are resulting in negative externalities of production. This can be seen on graph one where the marginal social cost is greater than the marginal cost, hence shifted inwards from MC to MSC as ~~the~~ a result of those negative externalities of production. This results in the market not operating as the social equilibrium price and quantity at Q_s and P_s as the market does not take those costs into account. Thus the good is under-priced and overconsumed at the market equilibrium. This results in a deadweight loss (DWL) occurring, as seen by the shaded area, as the good is under priced and over consumed so there is the misallocation of resources and consumer and producer surplus not maximised.

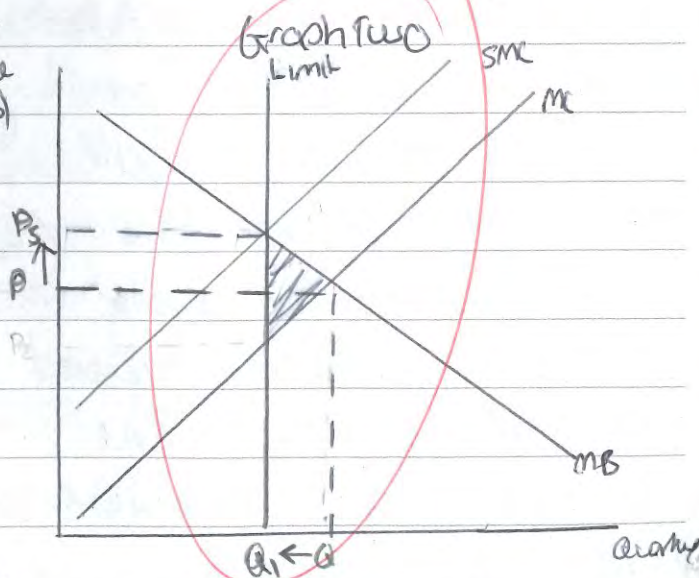


This means that allocative efficiency hasn't been achieved as the price equilibrium does not take into account the costs involved.

This externally means market failure is occurring, justifying the use of government intervention and overriding the idea of consumer sovereignty.

One option for addressing these externalities is by implementing restrictions or setting limits on the production or growth of firms of types that are nitrogen and effluent intensive. This would act as a sort of capacity that could limit the industries involved in polluting waterways from growing. This could be seen on graph two by the limit/capacity line that would decrease quantity from Q_2 to Q_1 .

On the graph this is seen to restore the socially optimum quantity at Q_2 , but this is unlikely to occur as it is just a restriction on

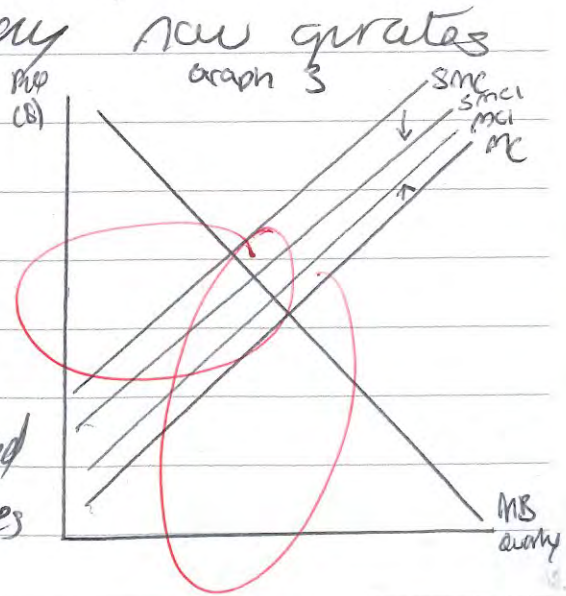


expansion, with firms already operating at the socially optimum amount. Thus it would be hard to get quantity to fall by the right amount and may indeed just step it from increasing in the future. In the long-term as firms are no longer able

to expand price is likely to rise due to the limited quantity available for the products these farms produced, raising price for all crops. However, this may not be the socially optimum price, depending on the amount of the limit set. This option is equitable in that it will only affect and be set on farms who are nitrogen and effluent intensive and thus makes only the producers who cause this cost pay. It will also increase price, but this may reduce equity as low-income consumers are less able to obtain it. However it will decrease efficiency as a deadweight loss is likely to be created. If the social equilibrium price and quantity is reached allocative efficiency may be achieved as the good is no longer over-consumed and under-priced. However, since this quantity is not likely to be reached due to only limiting further expansion the good will not be at the socially optimal price and efficiency will not be achieved. In the long run it will be effective in reducing expansion but in short run will not have too large of an impact as those industries can continue producing at unit-elastic, reducing effectiveness.

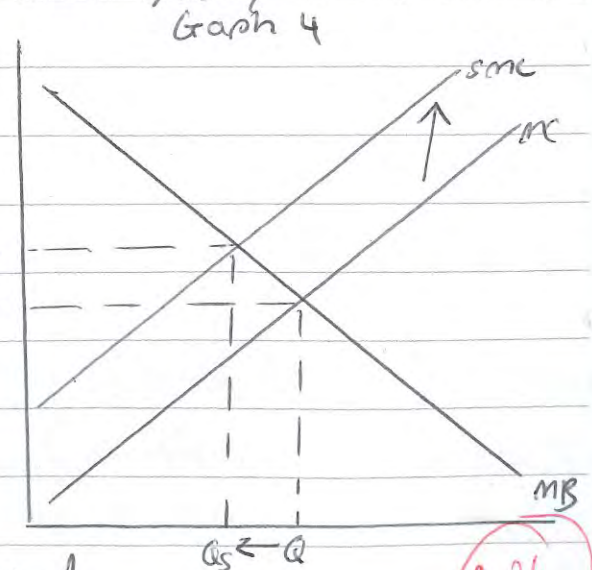
A second option is increased regulations on waterway effluent industries. This could require firms to take greater steps to reduce water pollution and minimize nitrogen and effluent runoff including preventive measures in place.

and development. This would add to the cost of production as they now have to try and reduce water pollution and minimise their impact. As costs increase, as seen by the increase in marginal costs from MC to MC^s in graph 3 the social marginal cost position will be moved closer to as the externality is internalised, achieved by requiring developers and carers to plan developments to better protect already quality' (Source: E) the externality of production will be reduced as these developers will not produce in areas that will have the biggest impact on the environment. This will reduce the negative externality of production, as seen by the downward shift from MC^s to MC . This means the economy now operates closer to its marginal social cost. Depending on the size of these shifts will determine whether efficiency is achieved. However, since the costs are now internalised and taking preventative measures in place there is a good chance the economy will operate at social equilibrium and price, achieving efficiency. This option is also equitable as only firms involved in polluting are charged, although it may mean in higher costs that poorer low-income households



him getting it. It is likely to be effective as it will add to costs, a price signal and will prompt the externally firm companies to occur as much.

A third option is assigning property rights to local councils. As done to Whanganui River this involves recognising, legally, the river as a 'person' and a \$1 million contribution has been set up to support it. With representatives in the eyes of the law, these individuals can ensure the negative externalities of production don't occur. For example polluting firms could be taken to court to pay a charge, and since the waterways we considered 'people' would force industries to meet it better, preventing the free rider problem from occurring. This could also involve the representatives having a fee for its use, making it no longer a public good, and internalising its externalities. As firms encounter more costs for polluting these firms the social marginal cost may be reached. As seen on graph four.



This would allow the socially optimum price and quantity to be reached, reducing the deadweight loss and achieving efficiency. This is also equitable, only the firms harming the waterways will be impacted, increasing fairness. It will be reasonably

QUESTION THREE: Repayment of government debt

Use information from **Resources I to O**, and your knowledge of the New Zealand economy and macro-economic theory, to answer this question.

Net core Crown debt is forecast to hit more than 50% of gross domestic product over the next five years as the Government expects to pump more than \$60 billion into the economy to offset the impact of COVID-19. By way of comparison, net core Crown debt was 19% of GDP in the year to June 2019.

Source: <https://www.nzherald.co.nz/business/budget-2020-debt-set-to-soar-as-govt-looks-to-recover-and-rebuild/XW7VASZN23IGTOWTGRSBRQMS74/> (14 May 2020)

Analyse the reasons for the significant increase in government (net core Crown) debt and the economic impact of potential government policies to reduce debt levels. Evaluate the extent to which the New Zealand Government should be focused on reducing government debt to "prudent" levels.

In your answer:

- use appropriate economic models throughout
- explain reasons for the 2020 budget deficit and how this has impacted net core Crown debt
- analyse THREE policies from **Resource L** that the New Zealand Government could use to reduce government debt and the impact that each would have on the New Zealand economy
- evaluate the case for the Government pursuing a policy to rapidly reduce government debt while also focusing on the key macro-economic goals of economic growth, full employment, and price stability.

Use this space for planning your essay. This plan will NOT be marked.

PLANNING

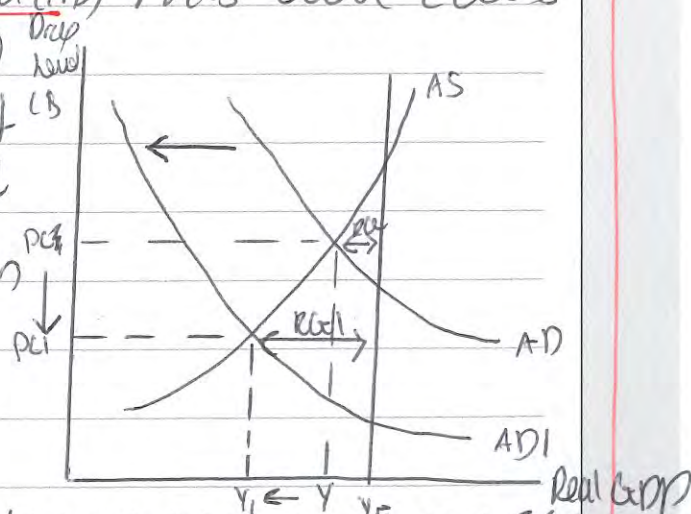
COVID wage sub - 50%
 - ↓ tax income
 or asset debt high

• ↑ tax VAD ↓ IS
 increase most collect
 ↑ revenue and
 cut

A budget deficit ~~occurs~~ occurs in the spending balance when the Government is spending more than it is receiving. This is most likely to occur in times of low or stagnant economic growth. The 2020 budget deficit has been brought around due to, generally the huge impacts of the COVID pandemic, a 'one-in-one-hundred year shock' (Source M). The pandemic's huge health impacts and in order to protect New Zealanders (NZ) the government significantly increased spending of '\$50 billion' in the 'COVID Response and Recovery Fund (CRRF)'. This huge increase in spending was needed in 2020 to deal with the immediate and economic effects of COVID and largely consisted of the wage subsidy. However, this increase in government spending was also connected with lower tax revenue and thus income for the government. This was because 2020 and COVID resulted in lower service exports, fewer international visitors, weak domestic demand, lower incomes and lower confidence as the pandemic spread, with border restrictions cutting off international tourism, and decreasing exports and high unemployment decreasing incomes and thus income tax, spending decreasing consumption spending due to lower confidence, decreasing GST and decreasing company profits, decreasing company tax.

output fell in long lockdowns. Thus as the economy needed a recession, decreased economic growth and low level tax run for the government fell. This increase in spend and decrease in revenue has created a large operating budget deficit, and since a deficit is funded by borrowing from overseas, increased net-core crown debt, as seen in source J as tax revenue is forecasted as 27.2% and expenses at a much higher 38.6% in 2021. Thus core crown debt has needed to be increased to reach '\$190 billion in 2024/25'. This is due to the deficit, a loan from overseas raising up interest and funding foreign ownership in New Zealand. This increase in core crown debt may result in him breaching the 'responsible fiscal management' specified in the act. To stay within this the government will need to reduce debt to 'prudent levels' to 'provide a buffer against adverse economic shocks' and try and obtain a quality surplus, with a current goal of getting crown debt to 15% and 25% of GDP. Thus this quality deficit, which is funded by borrowing overseas by the monetary authority will reduce debt and result in the implementation of policies to try and reduce it.

One option the government could use to reduce debt is to cut government spending. Government spending is largely in the form of transfer payments to low income households and subsidies. This could also include a decrease in funding for services like healthcare and education. A decrease in government spending means this money could be used to reduce debt levels, and in the long term have a very positive impact on society as debt is reduced and won't continue to increase. However, in the short term this is very negative, as this decrease in government spending is a withdrawal from the economy. Since government spending is a large component of aggregate demand (AD) this will cause a large decrease in AD from AD to AD_1 . This leakage could result in a negative multiplied effect on the economy as it results in lower incomes for low-income households or individuals who may have been involved

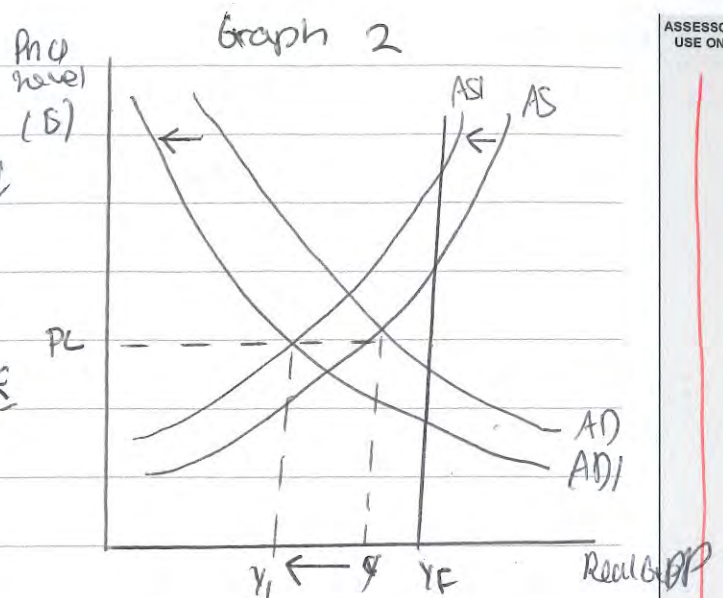


ing government projects decreasing consumer spending and investment spending as confidence and incomes fall. Overall this large decrease in AD results in a large decrease in price level from PL to PL_1 , possibly pushing the economy out of the Policy Target Agreement (PTA) amount of 1-3%, and a large decrease in economic growth as Real GDP falls from Y to Y_1 . This decreases employment

as labour is a derived demand, increasing
the size of the recessionary gap from Y_0 to Y_1 and moving away from full employment
at Y_0 .

A second policy that could be used to reduce
 debt levels is to increase taxation. This could
 involve an increase in income tax brackets
 and/or goods and services tax. An increase
 in income tax will cause consumers disposable
incomes to decrease meaning they can afford
 to buy less goods and services than
 before, decreasing living standards and decreasing
consumption spending. This decrease in consumption
 could reduce business confidence and lead
 to decreasing investment spending. As a consequence
 of AD this will cause AD to decrease from
 AD to AD1 as seen on graph two. Additionally
best rates could increase. A further exposure
 to producers this would cause producers
cost of production to rise, decreasing profit
margins and causing aggregate supply
to decrease and supply is now produced
less being willing and able to supply. This
aggregate supply decreases from AS to AS1.
 These shifts cause a decrease in real
GDP from Y_0 to Y_1 , a decrease in economic growth.
Depending on the size of the shifts the level may
increase or decrease or have a negligible impact

on the main. Since labour is a derived demand this causes a derived in employment as the economy moves further away from the level of full employment at Y_F^* .

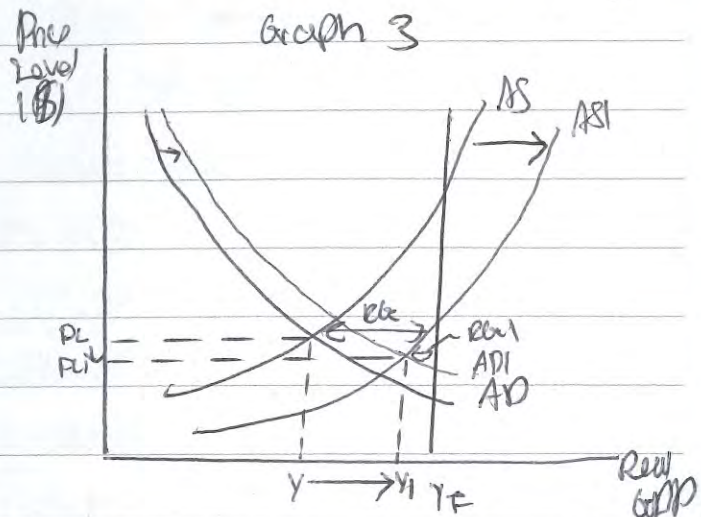


A third policy option is to implement supply-side policies to stimulate economic growth. This could include upgrading pay infrastructure and the apprenticeship scheme, which would involve a small increase in government spending. However, this is likely to improve productivity in the economy as upgrades to infrastructure reduce transport costs and apprenticeship schemes increase the quality of labour. This increase in productivity means the same amount of workers and resources can produce more, decreasing costs of production. As profit margins rise supplying the good or service becomes relatively less profitable, increasing aggregate supply as seen on graph in the AS to AS1. ~~Not~~ Although ~~not~~ one supply side policy they may involve increases in government spending.

* This increased taxation will result in greater tax revenue the government can use to repay debt and will act as a further boost for the economy.

to occur. This may have a multiplied effect on the economy and lead to subsequent rounds of spending taking place as this spending becomes income for other firms and households. Thus, a small increase in aggregate demand may occur, shifting from AD to AD_1 . Overall, this decreases the level

from PL to PL_1 , a decrease in the rate of inflation which may push the economy out of the PPI 1-30%, but this is only due to the supply side



one another. There is also a large increase in real GDP from Y to Y_1 , increase economic growth. Since labor is a derived demand this results in a increase in employment. An increase in production means more labor is needed, as seen in the reduction of the size of the recessionary gap from R_0 to R_1 .

Out of these fiscal policies an increase in taxation and reduction in spending and most rapidly in able to allow the government to reduce debt levels. Supply ~~side~~ side policies are much larger in the to implement and this may not have as rapid a response. Both a reduction in spending and increase in taxation decrease

economic growth and increase unemployment,
 many away from the two macro economic
 goals. In contrast, supply side policies will
 increase economic growth and this increases
 government tax revenue as an increase in economic
 growth means there is greater output & greater
 profits from businesses and thus company
 tax, and ~~and~~ likely to be increased spending
 so increased GST and income tax revenue as
 employment rises. This allows the government
 to earn more revenue of which they can
 use to repay debt. ~~But~~ this has a positive
 effect on the economy with its only downside
 the long time it takes to implement. It also
 has no smaller reduction in price level, overall
 money price stability is likely to be achieved. The
 other 2 policies result in a significant reduction
 in price level which may go below 1-3% as
 outlined in the DTA. However, in 2020 inflation is
 likely to be high so this may not occur as
 costs have risen overall. Thus the government
 is justified in pursuing repaying debt levels
 as high levels of debt reach \$200 billion
 has interest costs and will hurt the economy
 is less prepared for future shocks. However,
 with low interest rates (source in) the cost of
 this debt is low meaning it is not having
 too much of a drain on society. However it
 would be better to reduce this new report //

Or as effective as it is legislation which will fine firms to deal with no way around it but could be hard to implement as there are a lot of rivers and waterways that would need protection.

Overall, the regulation on firms' technology should take action will be the best option. This is because it is the most equitable, only impelling firms who are involved, the most effective as it will directly impact these firms and prevent future negative production externalities from occurring while both decreasing the externality and increasing the costs. It may or may not be efficient but will lead to the better use of resources and a output level closer to the social optimum. This is better than the limit on expansion as this will only have a long-term impact and won't affect current pollution and will be easier to implement than property rights which may take a long time to achieve and considering the externality of firms' activities. The policies are reasonably equitable and may or may not be efficient dependent on the size of their impact. This since no regulation is most effective it is the best option.

Extra space if required.

Write the question number(s) if applicable.

ASSESSOR'S
USE ONLYQUESTION
NUMBER

Q3 The economy in the best possible position for the future and allow an ongoing surplus to eventually be achieved. By paying off the debt foreign ownership of NZ is reversed. However, to a extent repaying debt conflicts with the goals of full employment, price stability and economic growth as seen with the ~~the~~ the policy options. However, supply side policies will allow economic growth, price stability and employment to be maintained while collecting revenue to reduce debt. Thus, this is the best policy to achieve all goals. However, it will take a long time to implement so they act as the 'rapid' reduction the government is looking for. ~~off this~~ However, supply side policies will keep the economy in the healthiest position to succeed in the long run while allowing debt to be reduced by achieving the macro economic goals. //

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

ASSESSOR'S
USE ONLY

QUESTION
NUMBER

93402