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93402



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## TOP SCHOLAR



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QUALIFY FOR THE FUTURE WORLD  
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# 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.

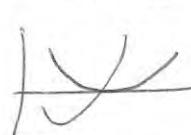
Analyse and evaluate the recent changes in the market for **raw honey** and the impact of these on individual beekeepers in the short run and long run.

In your answer:

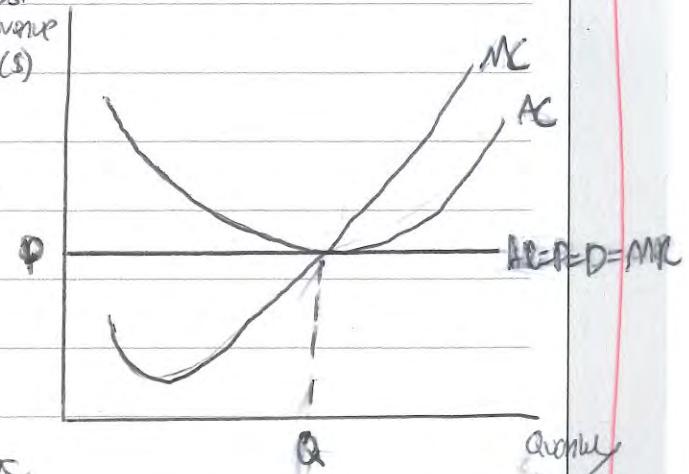
- use appropriate economic models throughout
- explain why the raw honey production industry could be considered to be an example of perfect competition
- analyse and illustrate the impact of the recent changes in the market for raw honey on individual beekeepers and why some beekeepers may shut down 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

- homogeneous - lots of small individuals  
 - Perfect Info - perfect knowledge - sad to 'big players'  
  
 • ↑ supply due to previous supernormal  
 ↓ P  
 so more supernormal  
 on normal  
 - cons ↑?  
 - inv ↑  
 - depreciate  
 - sell overseas

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' firms. This is a huge number of firms, of which they are selling a near identical product as the raw honey is the same, <sup>and consumers do not care what honey from whom</sup> with the help of beeswax just to 'filter the honey to remove small bits of debris; including pollen, beeswax'. Thus this raw honey is a homogeneous product, not heterogeneously 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 <sup>cost</sup>  
<sup>Revenue</sup> (S) a horizontal demand curve,  $P = MR = MC$  having to accept the market price but being able to sell as much as they want 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 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 backyard could decide to start selling raw honey. Thus the raw honey industry



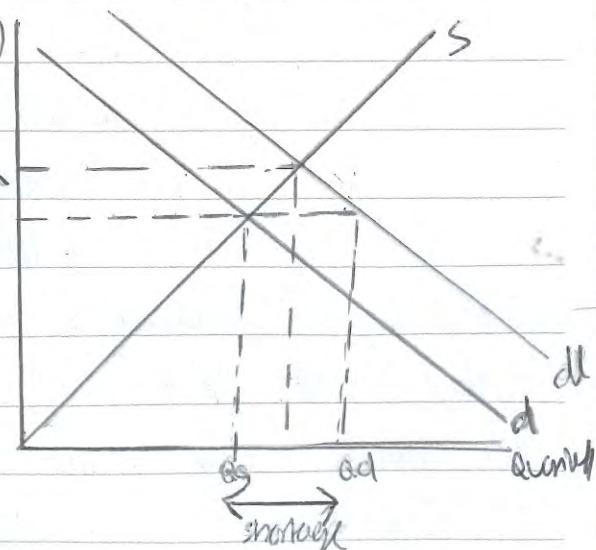
Graph one

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 controlled' as # and as potential producers saw 'the price of honey increase slowly over the previous 10 years' they were attracted by 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  $P_0$  to  $P_1$  would result in quantity demanded being greater than quantity supplied. As some consumers miss out on choices

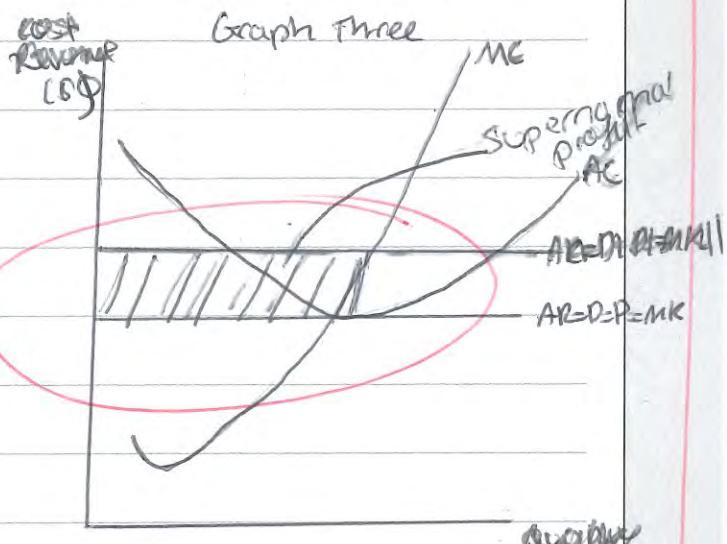
graph two



The product may end up increasing 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 once being made. As seen on graph three price increases due to the upwards shift from  $AR=D=P=MR$  to  $AR_1=BDI=Pi=MR_1$  meaning that were  $MR=MC$ , average cost is less than average revenue, a supernormal profit, a return more than sufficient to keep the entrepreneur in the market.

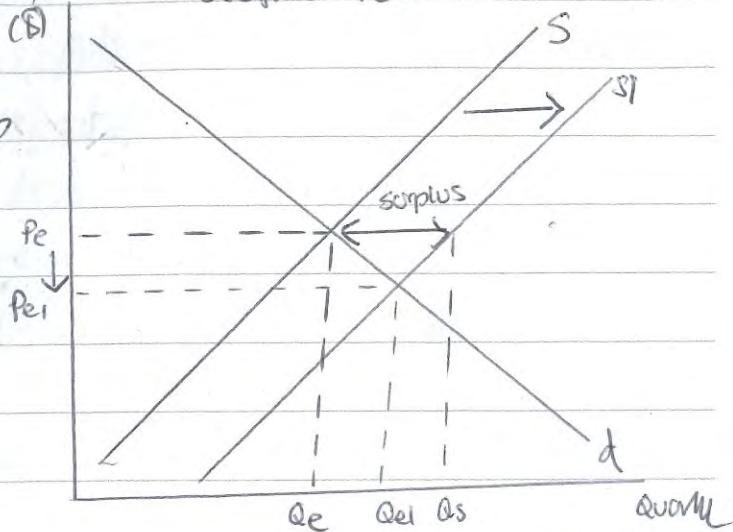
This attracted more firms who, due to the lower prices to entry were able to enter the market and set up hives.)



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 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 \$10 to \$11 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 price, 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  $P_{el}$ ,  $Q_{el}$ , eliminating the surplus.

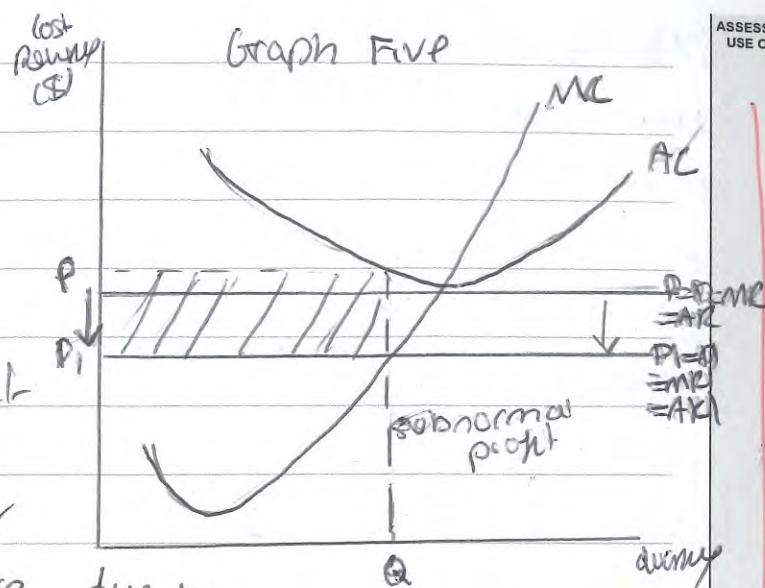
Graph Four



However, those lower prices being honey demand (as much as 25-50%) has led to some beekeepers making a subnormal profit, a return insufficient to keep them 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

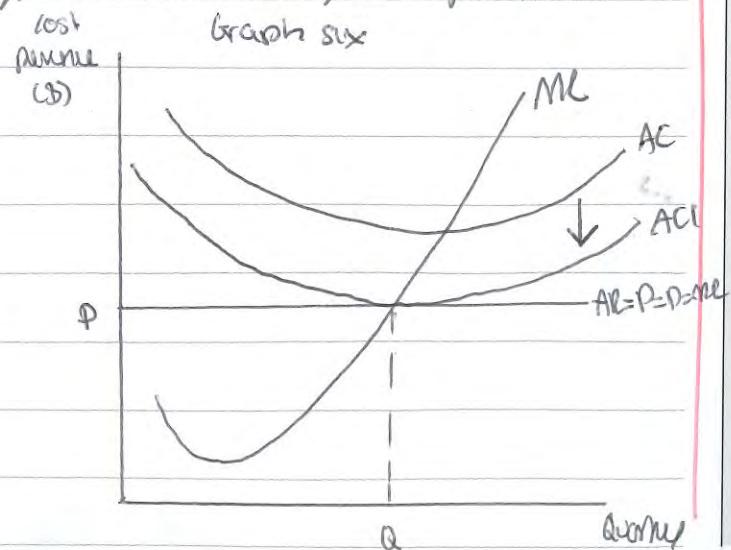
shift in the cost curves.

shift form  $P=D=AR=MC$   
 $\rightarrow P_i=p_i=MC_i=MR_i$ . 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  
 heavy price takers. This subnormal profit area is  
 or return insufficient to cover costs leading to  
 many beekeepers shutting down or leaving the  
 market in the 'difficult time' as big packers  
 were taking advantage of the situation. Thus, some  
 beekeepers may shut down in the short run.)



However, 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 the 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 some beekeepers to earn normal profits. Additionally, low interest will improve the macroeconomy, especially

Since it may lead to greater demand for honey as consumption spending increases and investment spending rises as savings is discouraged. Since the decrease in supply is said to only be 'temporary' (sourced) with long-term global demand for health and welfare products very positive the demand for honey could be expected to rise in the future. Since 'New Zealand has superb honey' global demand may remain high. This will be influenced by base 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 plus honey will become relatively more price competitive overseas, further increasing demand for it. Thus, in the long-run the base interest rates may lead to a lowering of average costs for firms as debt repayment 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 quote at normal prices rather than supernormal prices.



9

profits could be obtained in  
the short term

possibly over supernormal depending on relative changes. Additionally, lower interest rates increase demand in NZ as consumer spending rises due to a lower incentive to save and lower mortgage repayments, increasing discretionary incomes. 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 beekeeping industry, the supernormal profits due to the increased insurability would turn into normal profits due to free entry. Combined with the lower interest rates increased demand this is likely to result in a positive long-term situation for beekeepers 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 ~~higher~~ beekeepers 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 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 consensual production

capacity limits  
subsidy yes

A public good<sup>according to source</sup> is one that is non-excludable by price, non-rival and non-depletable, and it ~~which~~  
~~has no cost usually being paid for by the taxes~~<sup>costs</sup> 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 not-depletable as rain and other environmental movements put it up again. The huge amount of waterways in NZ with '70 major river systems,' '249 776 hectares of wetland' and '440 bays' which makes of water flow in our rivers and streams as well as many more means 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 ~~not~~ encounter the free rider problem as no producer or consumer has the incentive to take into account the costs production or consumption when have an activity, being able to use them for free. This free rider behaviour makes it very hard to control waterways quality in NZ as no one individual is responsible or likely to turn up and pay to clean up waterways due to it being a public good. Thus

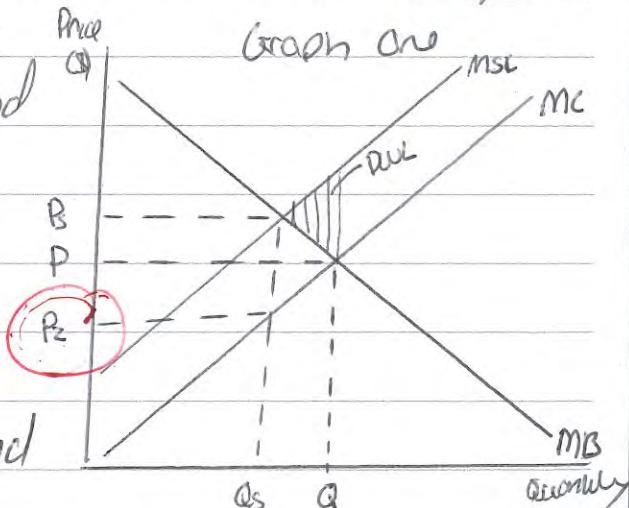
No government may find it very hard to control NPs ~~weaknesses~~. <sup>7</sup>

This is very significant considering the negative externalities of production that are affecting NPs ~~weaknesses~~. 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. <sup>(Source E)</sup> It is because NPs '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 deforestation and overfishing, reducing flows and 'changing watercourses from the natural flow' such as building dams. More specifically how 'we live and use our land can result in excess nutrients' entering freshwater and causing harm, polluting them. This is done in the production of farms through 'increasing the number of cattle per hectare', 'felling and opening trees' and 'using 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 40% of lakes in poor health. This leads to very negative effects on society, especially to

urban areas where pollution is worse due to being viewed as 'drainage networks' (source of) as those 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 effects as a result, a drain on the health care sector. We rely on our ecology and environment. Some don't care about and bury things which are killed by these pollutants our environment could change drastically, not allowing society to eat and live as it did before. Thus water polluting industries are resulting in negative externalities of products.

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 a result of those negative externalities of products. This results in the market not operating at 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 overconsumed so there is the misallocation of resources and consumer and producer surplus not maximised.

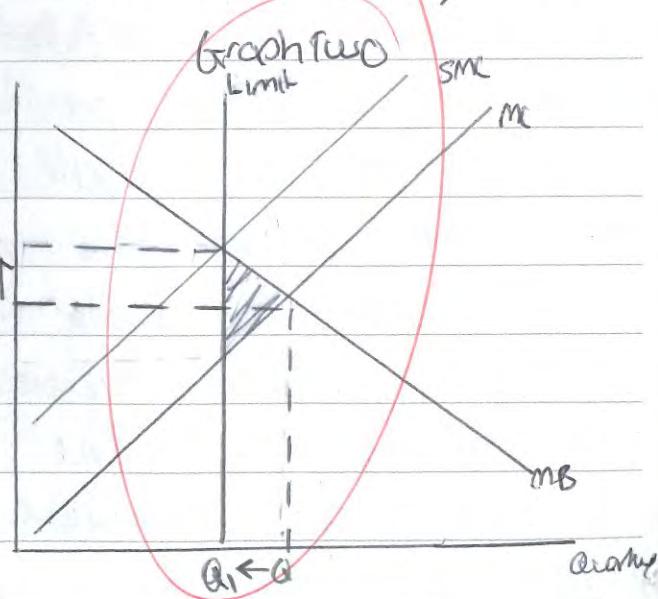


This means that allocative efficiency hasn't been achieved as the price equilibrium does not take into account the costs involved.

This externality 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 production or growth of factory types that are airborn and pollutant intensive. This would act as a sort of capacity that could limit the industries involved in polluting activities from growing. This could be seen on graph two by the limit/capacity line that would decrease price from  $P_1$  to  $P_2$ , quantity from  $Q_1$  to  $Q_2$ .

On the graph this is seen to create the socially optimum quantity at  $Q_2$ , but this is unlikely to occur as it is just a restriction on expansion, which has already reached the social optimum amount. Thus it creates the marginal cost



quantity to fall by the right amount and only instead just stop it from increasing in the future.

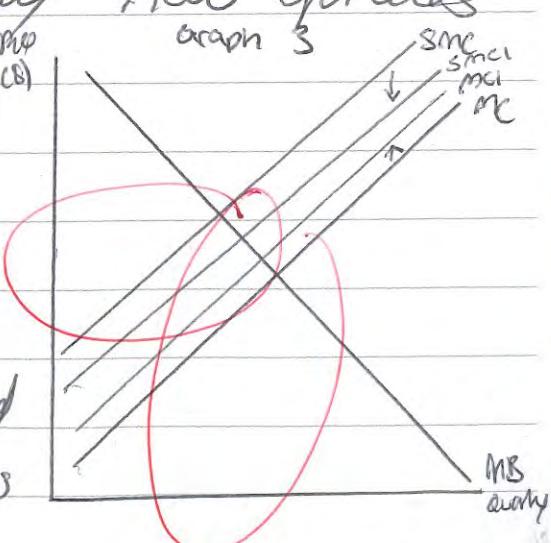
In the long-run as firms are no longer able

To expand price is likely to rise due to the limited quantity available for the products these farms produced, causing price for it to rise. 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 reflect and be set on firms 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 bear 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-produced and under-priced. However, since this quantity is not what is to be reached due to only limiting further expansion the good will not be at the socially optimum price and efficiency will not be achieved. In this way in itself it will be effective in reducing expansion but in short run will not have had large of an impact as most industries certain follows of until states, reducing effectiveness.

Z

A second option is increased regulations on waterway effluent industries. This would encourage 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 firms cost of production as they now have to pay and reduce water pollution and minimize their impact. As costs increase, as seen by the increase in marginal costs from ~~MC~~ to <sup>inc</sup> MC in graph 3 the social marginal cost post will be moved closer to as the externalities of materials are addressed by requiring developers and carers to plan developments to better protect and increase quality. (Source E) The externalities 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 arrows shift from MC to inc 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 justify preventative measures in place there is a good chance the economy will operate at social equilibrium and once achieving efficiency. The option is also equitable as only firms involved in polluting are charged, although it may lead to a slight costs that won't low-income households.

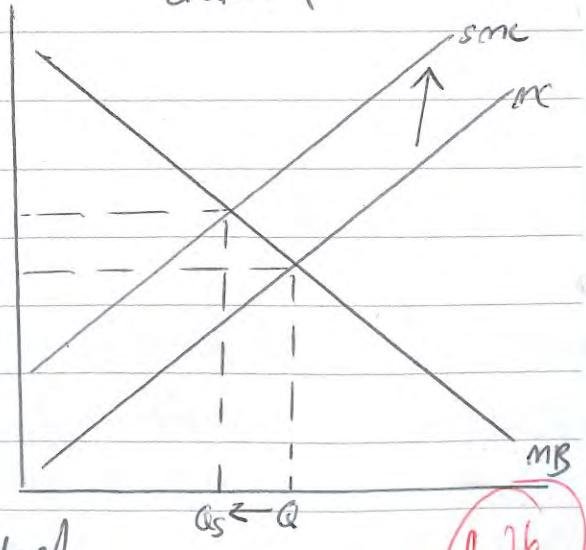


In getting it. It is likely to have effects as it will add to costs, a price signal one and punish the externally from consumers to occur as much.

Z

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

Graph 4



(1,26)

This would allow the socially optimum  $P_2$  and quantity to be reached, removing the deadweight loss and achieving efficiency. This is also equitable, only the firms suffer the externalities all be remedied, increasing fairness. It will be reasonably efficient.

### 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

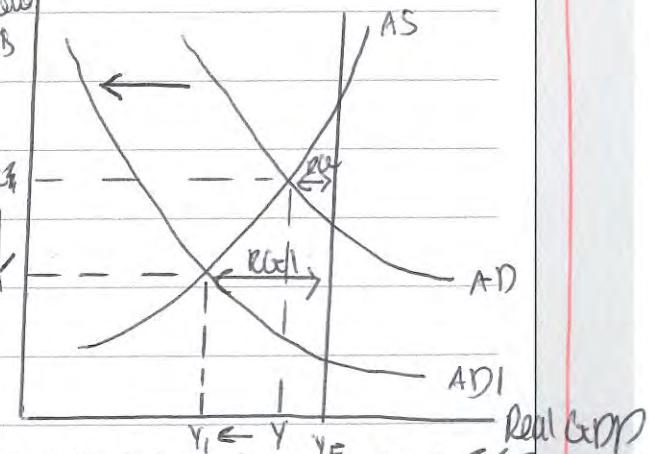
• COVID *(work sub - since  
↓ tax annual  
↓ export)* *debt up*

• ↑ tax VAT ↓ FB  
*↑ revenue ↓ cost collect*  
*↑ revenue and*  
*WT*

A budget deficit occurs occurs in the budget 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 forward due to, generally the huge impacts of the COVID pandemic, a 'one-in-a-hundred year shock' (Saxa M). The pandemic huge health impacts and in order to protect New Zealand (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 direct subsidy. However, its increase in government spending also came 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 doozes incomes and thus income tax, spending decreasing, consumers spending due to lower confidence, decreasing cost and decreases company profits, decreasing corporate tax as

output fell in long lockdowns. This as the economy headed a recession, decreasing economic growth and now fuel for not for the government fell. This increase in spending 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 emitted to reach '\$190 billion in 2024/25'. This is due to the deficit, a loan from overseas racking up interest and further foreign ownership in New Zealand. This increase in core crown debt may result in him breaking the 'responsible fiscal management' specified in the act! To stay within the government will need to reduce debt to 'prudent' levels <sup>source K</sup> to provide a buffer against adverse economic shocks and try and obtain a healthy surplus, with a current goal of getting crown debt to 18% and 25% of GDP. Thus this operating deficit, which is funded by borrowing overseas by the ministry already will reduce debt and result in the implementation of policies to pay 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 went on 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  $AD^0$  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 in government projects decreasing consumer spending and investment spending as confidence on incomes fall. Overall this large decrease in AD leads to a large decrease in price level from  $P_1$  to  $P_2$ , 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  $Y_1$  to  $Y_2$ . This decreases prosperity.

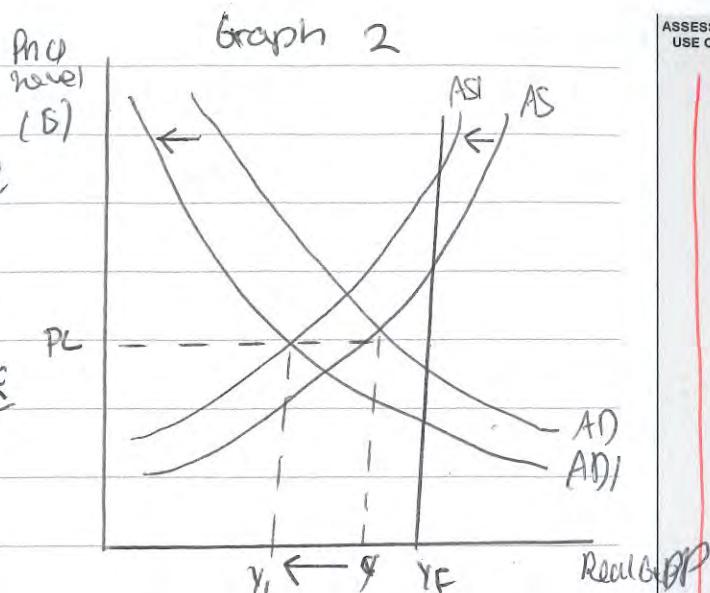


Government projects decreasing consumer spending and investment spending as confidence on incomes fall. Overall this large decrease in AD leads to a large decrease in price level from  $P_1$  to  $P_2$ , possibly pushing the economy out of the Policy Target Agreement (PTA) amount of 1-3%, and a large decrease in economic growth as  $Real GDP$  falls from  $Y_1$  to  $Y_2$ . This decreases prosperity.

as labour is a derived demand, necessary  
the size of the recessionary gap in RBC  
to level and move away from full employment  
of Y<sub>e</sub>.

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 service tax. An increase  
in income tax will cause consumers disposable  
income to decrease meaning they can afford  
to buy less goods and services than  
before, decreasing living standards and decreased  
consumption spending. This decrease in consumption  
could reduce business confidence and lead  
to decreasing investment spending. As a result  
of this this will cause AD to decrease from  
AN to AD1 as seen on graph sub. Additionally  
best rates could increase. A further exposure  
to producers plus would cause producers  
cost of production to rise, decreasing profit  
margins and causing aggregate supply  
to decrease and supply is now producers  
less willing and able to supply. This  
aggregate supply decrease from AS to AS1.  
These shifts cause a decrease in real  
GDP from Y to Y1, a decrease in economic growth.  
Depending on the size of the shifts produced may  
increase or decrease or have a negligible effect.

on in plan since labour  
 is a derived demand. This  
causes a fall in employment  
as the economy moves  
further away from the level  
of full employment at  $Y^*$

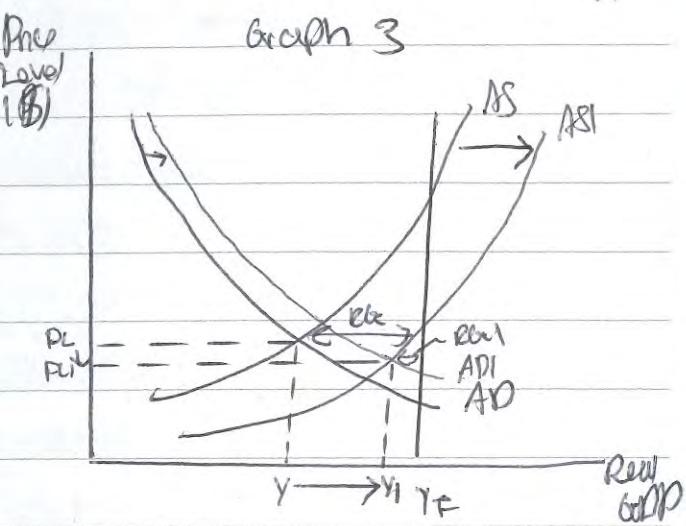


A third policy option is to implement supply-side policies to stimulate economic growth. This could include upgrading key infrastructure and the education system, which would induce a small increase in government spending. However, this is likely to improve productivity in the economy as upgrades to infrastructure reduce travel costs and apprenticeship schemes increase the quality of labor. This increase in productivity means the same amount of workers and resources can produce more, decreasing costs of production. As profit margins are rising, the good or service becomes relatively ~~less~~ more profitable, increasing aggregate supply as seen on graph line AS to AS1. Note although these supply side policies may involve increases in government spending

\* This increased taxation will result in deadly tax evasion. The government can use to repay debt and will act as a further brake on the economy.

to occur. This may have a multiplied effect on the economy and lead to subsequent rounds of spending taking place as the spending becomes incomes for other firms and households. Thus, a small increase in aggregate demand may occur, shifting from AD to AD1. Overall, the decreases are small from  $P_C$  to  $P_U$ , a decrease in the rate of inflation which may push the economy out of the DRA 1-3%, but this is unlikely due to the shifts offsetting one another. There is also a large increase in real GDP from  $Y_0$  to  $Y_1$ , increasing economic growth. Since labor is a derived demand this results in a increase in employment and an increase in production means more labor is needed, as seen in the reduction of the size of the recessionary gap from R<sub>R</sub> to R<sub>G</sub>.

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



economic growth and increase unemployment, many away from the two macroeconomic 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 ~~attract~~ greater profits from businesses and thus ~~increasing~~ ~~tax~~; and ~~reduces~~ likely the increased spending so needed ~~as~~ ~~and~~ ~~income~~ for revenues as employment rises. This allows the government to earn more revenue of which they can use to ~~reduce~~ debt. Now 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 ~~all~~ ~~subsidies~~ 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 PTA. However, in 2020 inflation is likely to be high so does not occur as costs have risen overall. Thus the government is stuck with pursuing reducing debt levels as high levels of debt nearly \$200 billion has interest costs and will meet the recession is less prepared for future shocks. However, with low interest rates (Source in) Monetary MS's debt is low ~~money~~ ~~it~~ is not very too much of a drain on society. However it would be better to reduce MS's new to put //

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**Write the question number(s) if applicable.**

Or as effective as it is legislate which all  
the firms to act with no way around it  
but could be hard to implement as there  
are a lot of rivers and water areas  
that would need protection.

Overall, the regulation on firms' selling think  
take action will be the best option. This is  
because it is the most equitable, only involving  
firms who are involved, the most effective as it  
will directly impact these firms and prevent  
firms from negative production activities from  
occurring while both decreasing the extraneous  
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 no  
limit on expansion as this will only has  
a long-term impact and won't affect current  
problem and will be easier to implement  
than property rights which may take a  
long time to achieve and considering the  
extensiveness of NTS' malpractices. The  
policies are obviously effective and we  
or may act in different amount on the  
size of these impact. This since no  
regulation is most effective it is the best option.

QUESTION  
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Q3

The economy is in the best possible position for the long run and allows an output surplus to eventually be achieved. By paying off the debt & foreign ownership of NZ is prevented. However, to avoid repaying debt conflicts aim the goals of full employment, stable prices and economic growth as seen with the PR policy goals. However, supply side policies will allow economic growth, price stability are endorsed 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 may allow the 'rapid' method the government is looking for. However, supply side policies will keep the economy in the healthiest position to succeed in helping achieve the macro economic goals. //

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