Qualification Accredited



#### **A LEVEL**

**Exemplar Candidate Work** 

## **ECONOMICS**

**H460** 

For first teaching in 2015

# H460/01 Summer 2018 examination series

Version 1

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## Introduction

These exemplar answers have been chosen from the summer 2018 examination series.

OCR is open to a wide variety of approaches and all answers are considered on their merits. These exemplars, therefore, should not be seen as the only way to answer questions but do illustrate how the mark scheme has been applied.

Please always refer to the specification <a href="https://www.ocr.org.uk/Images/170839-specification-accredited-a-level-gce-economics-h460.pdf">https://www.ocr.org.uk/Images/170839-specification-accredited-a-level-gce-economics-h460.pdf</a> for full details of the assessment for this qualification. These exemplar answers should also be read in conjunction with the sample assessment materials and the June 2018 Examiners' report or Report to Centres available from Interchange <a href="https://interchange.ocr.org.uk/Home.mvc/Index">https://interchange.ocr.org.uk/Home.mvc/Index</a>

The question paper, mark scheme and any resource booklet(s) will be available on the OCR website from summer 2019. Until then, they are available on OCR Interchange (school exams officers will have a login for this and are able to set up teachers with specific logins – see the following link for further information <a href="http://www.ocr.org.uk/administration/support-and-tools/interchange/managing-user-accounts/">http://www.ocr.org.uk/administration/support-and-tools/interchange/managing-user-accounts/</a>).

It is important to note that approaches to question setting and marking will remain consistent. At the same time OCR reviews all its qualifications annually and may make small adjustments to improve the performance of its assessments. We will let you know of any substantive changes.

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## **Question stimulus**

Read the following stimulus material and answer all parts of Question 1 which follow in this section.

#### Who should pay for students to study at university?

The proportion of university education provided by the public sector and the private sector varies throughout the world. Most UK universities are generally considered to be in the public sector. In 2017, there were only five private sector universities in the country. The difference between public sector and private sector universities, however, is changing. This is the result of a shift in the funding of higher education, particularly in England. Universities are obtaining less of their income from government financed teaching grants and an increasing proportion from tuition fees. Fig. 1 shows how the amount of government spending on higher education has fallen in recent years.

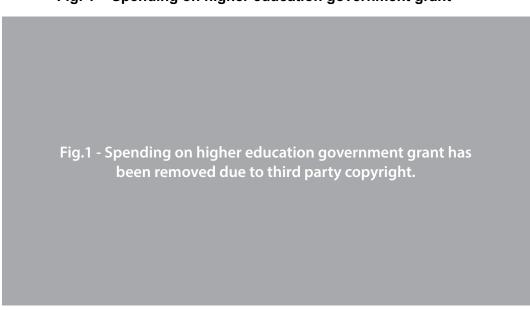


Fig. 1 – Spending on higher education government grant

Note: Figure for 2014–15 was a predicted figure. Figures are in real terms, adjusted for inflation using the GDP deflator.

Tuition fees were introduced in 1998 at a maximum of £1,000 a year. By 2017, these had risen to a maximum of £9,250 for UK and EU students studying in England. Most universities charge this maximum annual fee. In October 2017, the government announced that it was freezing tuition fees at £9,250 instead of increasing them in line with inflation and raising the student loan repayment threshold from £21,000 to £25,000. Most students would like the government to maintain the freeze for some time or even scrap tuition fees altogether.

Some A Level students do not gain the grades needed to take up university places. In other cases, however, it is tuition fees which discourage them from applying to university. These students are concerned about future debt levels and value for money. The average pay for university graduates is higher than that for non-graduates. Future earnings, however, vary according to the subject studied, university attended and job gained after graduation. Currently the highest earning post graduates tend to have been students of medicine, veterinary science, economics and engineering. While the lowest earners are found to be former students of English Literature, communication, agriculture and creative arts. A Level pupils are also aware that the learning experience varies between courses and universities, with some undergraduates complaining about lack of contact hours and high numbers of students in seminar groups.

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While a limit on tuition fees may be welcome to many students, universities are concerned about the measure. They are worried that if they are not able to charge higher tuition fees and if they do not get more funding from the government, they will struggle to cover their costs. Universities' operating costs vary with the number of students they teach. Fig. 2 shows a breakdown of the total cost of £31.2 billion incurred by UK universities in 2014–2015 when they were educating 2.2 million students.





The cost of providing degree courses varies between subjects and universities. It is, for example, more expensive to provide engineering courses than English Literature courses. The University of Cambridge, for instance, spends more per student than the University of Bedfordshire.

The amount spent on education for people above school age (tertiary education), includes spending on degree courses and vocational courses. Such education provides a range of benefits not only to those who undertake the courses but also to others. Tertiary education increases a country's output and the productivity of its workers. UK universities are also creating an increasing number of spin-off companies which create new jobs.

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Fig. 3 shows how the proportion of people of two different age ranges who had completed tertiary education varied in selected countries in 2016, as well as average income in those countries.

Fig. 3 – The proportion of people who had completed tertiary education in selected countries in 2016

Country	25–34 year olds who completed tertiary education	55–64 year olds who completed tertiary education	Average income (GDP per head in US\$) 2016
Canada	60.6	46.2	42 200
Germany	30.5	26.3	42 000
Japan	60.1	39.7	39 100
New Zealand	43.4	28.2	39 400
South Korea	70.0	19.7	27 600
United Kingdom	52.0	37.6	39 900
United States of America	47.5	41.9	57 500

## **Question 1(a)**

1 (a) Explain, using evidence from the stimulus material, why higher education is a private good. [2]

#### **Exemplar 1**

#### 2 marks

Higher education is provided by the free market and so an annual price is charged to these who coosume it, in 2017 the maximum price for UK and Ex students was £9,250. Higher education does not expensence a free-rider problem as public goods do and so is a private good.

#### **Examiner commentary**

The candidate was given both marks. One mark was given recognising that higher education is provided by the market (private sector) and 1 mark for reference to the tuition fee charged.

#### **Exemplar 2**

#### 1 mark

Higher education is a private good as most of the income generated for universities comes from buildon fees that the consumers, i.e. the students have to pay later on [£9250 a year), inther Evenment Riphie opending is no larger spent on universities as demanders so there is a market price making [2] it a private good, to allocate university spaces a good private

#### **Examiner commentary**

The candidate was given only 1 of the 2 marks available. There was recognition that tuition fees are charged, but no recognition the characteristics of a private good or of provision by the private sector.

#### **Exemplar 3**

#### 0 marks

Higher edication is now a private good because
At socie of paying sees has near from £1000 to
arand \$9750 because someren seeing was
decreed on and universities we simplify to
reap paper
[2]

## **Examiner commentary**

The reason for higher education being a private good (an increase in tuition fees) was not accepted as a valid response to the question.

## **Question 1(b)**

(b)	Calculate, using information from the stimulus material, the average fixed cost of educating a	
	university student in 2014–2015.	[3]

**Exemplar 1** 

3 marks

```
6.3+1.4 = 7.7\%
7.7\% g \pm 31,200,000,000
240240000 = 2.2m = £1092
£1092
```

#### **Examiner commentary**

Correct calculation using valid fixe costs and correct answer given.

**Exemplar 2** 

2 marks

university student	in 2014–2015.	, O.Um	<del>P</del> FT
TC=VC+FC	in 2014-2015.  Total cast = £31.21	bn = VC + FC	VC-98.67. 0+31.3
AFC - FC	FC=TC-VC		VC=30.7
~~~	FC=31.2-30.7- 2	- @ £1136	
AFC = ZZm	2.		
	,		

#### **Examiner commentary**

The answer given by the candidate was not correct and marks were given for an understanding of average cost and for the identification of a valid fixed cost implicit in the use of 98.6% in the calculation (interest and other overheads).

<b>Exempl</b>	ar 3
---------------	------

1 mark

31 200 000 - 2,200,000 - \$14,200	· · · · · · · · · · · · · · · · · · ·
442	
	•••••
	[3]
	[3]

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## **Examiner commentary**

The answer given by the candidate was not correct but 1 mark was given for division of cost by the number of students to get an average cost.

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## Question 1(c)(i)

(c) (i) Explain whether the information in Fig. 3 about average income and about 25–34 year olds who had completed tertiary education shows the expected relationship between the two.

[2]

#### **Exemplar 1**

2 marks

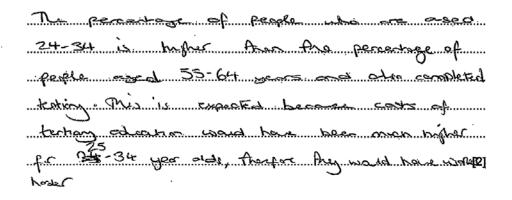
productivity havever Fig. 3 does not suppose this as income is not the highest in countries with the highest rates of testiany lacouse. For example, in South Karca they have the highest rate of the any lacousties at 70.0% however they have the lowest average income of \$27600. Germany has the lowest rate at 30,5% but the 2nd highest average income of \$42,000. Therefore the relationship between the two is negative.

#### **Examiner commentary**

The candidate was given both marks – 1 mark for recognising the data did not support the expected relationship and 1 mark for valid use of the data for South Korea.

#### Exemplar 2

0 marks



## **Examiner commentary**

The candidate compared the data on completion of tertiary education by two age groups and did not answer the question set.

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## Question 1(c)(ii)

(ii) Explain, using information in Fig. 3, which country is likely to have experienced the lowest relative increase in occupational mobility over the last thirty to forty years.

[3]

#### **Exemplar 1**

3 marks

occupational mobility is the ability to make about the courty faces to take on John which would be available Adoptionally at high very rates.

In the last 30-40 years becoming proportion of worker who completeed testing education increased the least 9.2% increase. They would experent to court relate increase or increase in Odwaria and transfeable will = Increse in Openpalised mobility. [3]

#### **Examiner commentary**

The candidate gains all 3 marks by: defining occupational mobility; identifying Germany and justifying the choice by reference to Germany having the lowest increase in the proportion of the workforce completing tertiary education.

#### **Exemplar 2**

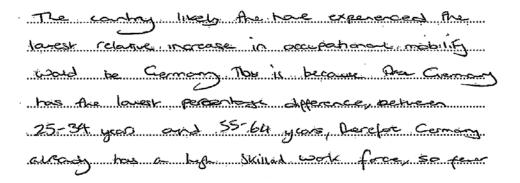
2 marks

Occupational mobility refers to the ability of women to more more between jobs wing transferable skills they have aquired Germany is likely to have experienced the lower increases because their level of tertiony education is lower, therefore feaple do not gain the Vocational training necessary for them to change occupations. & only a small proposion of the Country (30.5% 25-54 year olds, therefore the flexibility of labour and occupational mobility will be lower.

#### **Examiner commentary**

The candidate is given 2 marks: 1 mark for the definition of occupational mobility; 1 mark for the identification of Germany. There is reference to the 'level of tertiary education' and proportions completing tertiary education but not the **change** in the proportion of young people completing tertiary education.

Exemplar 3 1 mark



#### **Examiner commentary**

Only 1 mark is given for this response. The candidate identifies Germany as the country experiencing the lowest increase in occupational mobility. However, the justification is not over time but between two different age groups at one point in time so no marks can be given for use of the data.

## Question 1(d)

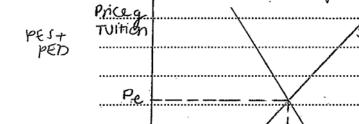
(d) Evaluate whether students will benefit from the government freezing the maximum annual tuition fee for some time.

Freezing the meximum turtion we would in egrely

[8]

#### **Exemplar 1**

#### 7 marks



 $\mathcal{Q}^{2}$ 

port a maximum price on relucation, as movin in the diagram blow. Enpranypice P.,

> rather than the all actives uni vernt Pe, would

universities, would

Naut to provide

However the cap is ultimadely likely to be Audenti, given universities have morn no time of

g University power at quantity Os, raker than one as before, as the price they get pr providing it is lower trudents, at this low price, are livy to demand more, at Qo. This produces eg university education, moun in the is may be negative for Audens as it an only means those was wim to go to university May be restricted from a ding so. It may real to increse entry tarips as univertives held to rator they karll places regatively expression for the or or unexamply if they are trying to fet woner brades tuthing a lover trition fres many reduce theresoners available to universities to proproce a sood reducation of volume many lose out new reminar proups for example

propping as viding as surson sees are lower indeed
the recent lipting of the apop Audent humber
Las moun more pares are being greated, b) [8]
Audents are benepting pour more places, and
hence more variety and choice, as well as lower
Lower prices also benefit ordens threen in resed
consumer represent thus higher nely one.
Also prooring the trition allows torget los
certainty for consultien, as they can plan for
the whole cost of conducation It will also reprofin
less puture debt to pay of, this potentially
eauting increasing consuption in the long run,
Laving mans economic expects.
In condunative pressing of the trition fee is
huy to be repit to they pay less for
education The expects of doing to Will depend on
the rule ginpation if it is before the realist y
tuition will fall, the benegitting students yet
more It will also depend on the response of
Universities - if they reddenly more to restrict
places they ordent, will love out, but given the
tibuy inelasticity of demand portentiary education
the nawn by 2011's tripping of press and little
charge in place uptally, the most agency be
Marithad in oile and andron of the mount house
Monited in one and anython at the moment way
pais are available despite to per cap,
so ordents will benefit

#### **Examiner commentary**

The candidate starts by explaining the negatives of freezing tuition fees. This is counted as evaluation and is judged to be **Good** because it is supported well by economic concepts throughout and recognises that a free on tuition fees could act like a maximum price. Analysis of the benefits then follows. There is some use of economic concepts and relevant application to the context so it also judged to be **Good**. It is not **Strong** analysis because there is little development of the points made. The final sentence contains judgement which lifts the evaluation to **Strong**. Knowledge and understanding of how and why governments intervene in markets is obviously **Good** and the candidate has shown the skills required for a mark towards the top of Level 2. With stronger analysis of the benefits of freezing tuition fees, this response could have gained full marks.

Exemplar 2 5 marks

tuition como the the maximum appual taution for would man stons for example; a will improve their motivation and

see based on the income of parents may be better suited in this because ben Evertody would be able to bresit the same amount as some would pay [8] less for their see with parents of an lower incombs.

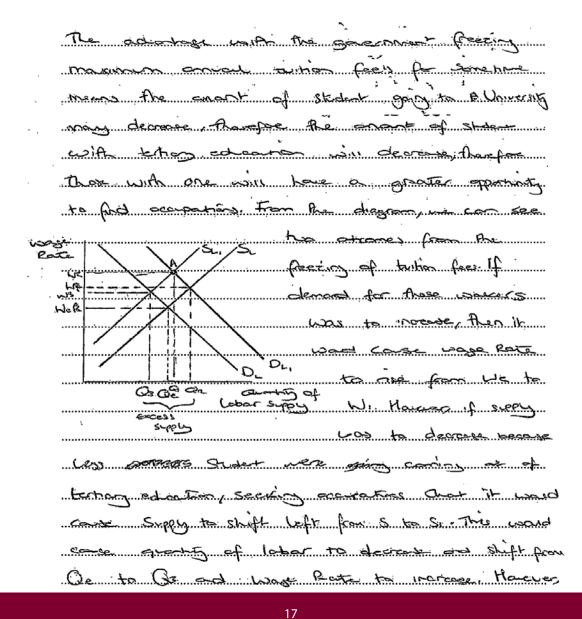
In condusion, an greezing the maintum annual truition see add be tenspicial, but it depends on students' circumstans.

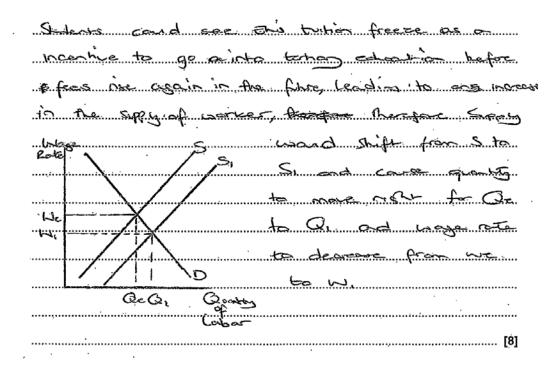
#### **Examiner commentary**

This response is on the border line between Level 1 and Level 2, but has been given a mark at the bottom of Level 2 of the mark scheme. The analysis of the reasons for freezing tuition fees is given in paragraph 2 and is in context but wholly descriptive. For this reason it is judged to be *Reasonable*. Evaluation is given further in the answer and, whilst valid and in context, is again not supported by economic concepts so is also judged to be **Reasonable**. The candidate does show some knowledge an understanding of the reasons for price controls. The candidate shows all the skills for Level 1 of the mark scheme and offers more than *Limited* evaluation, so is given a mark at the bottom of Level 2.

**Exemplar 3** 

2 marks





#### **Examiner commentary**

This response is *Limited* in its knowledge and understanding of how and why governments intervene in markets and in its analysis and evaluation of the reasons for freezing tuition fees. There is some *Limited* knowledge and understanding of the determination of wage rates at first and the impact of a reduction in the supply of skilled labour. However, there is a lack of clarity as to why this might arise from freezing tuition fees. Looking at the answer as a whole, credit is given for the idea that freezing tuition fees might reduce the number of people going to university (although it is not explained why this might be the case) and that higher graduate wages might also incentivise young people to apply to university. The response lacks a coherent explanation of cause and consequence throughout, but some *Limited* analysis and evaluation can be inferred from what the candidate writes. A mark towards the bottom of Level 1 has, therefore, been given for this response.

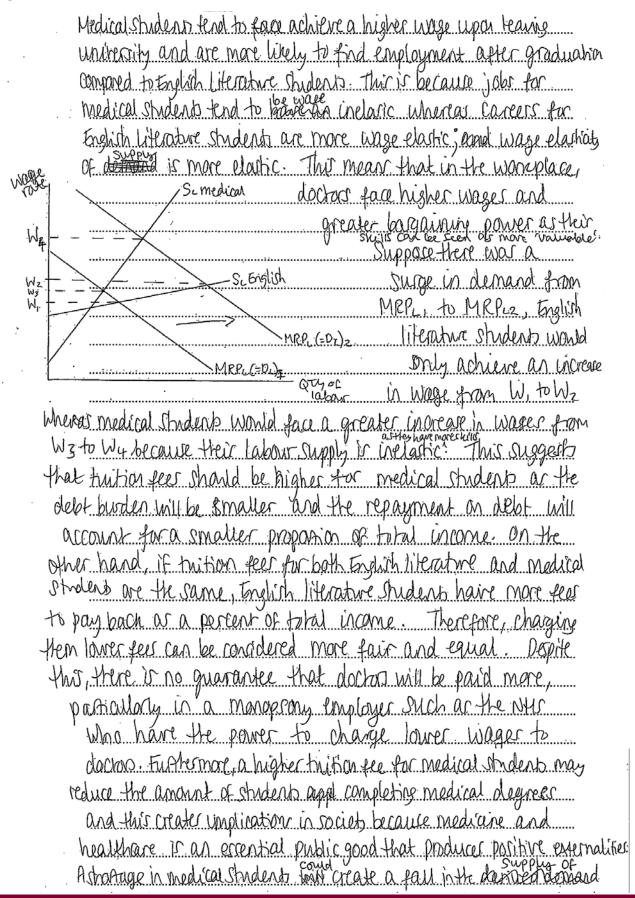
## Question 1(e)

(e) Evaluate, using evidence from the stimulus material, whether a higher tuition fee should be charged to medical students than to English Literature students.

[12]

#### **Exemplar 1**

#### 12 marks



for healthrane Adventigere a key men't good. Therefore, this in few should be kept the same. It could even be argued their trition feer for medical Shiden & should be lower because it will encourage mor people to Study medicine therefore increasing the supply of doctors who provide healthcar which improve the Welfare of society. Moreover, beigh the extent to which higher is thirtien feer though be charged to medical Students depends on the costs faced by universities. As Ses Stated in line 27, without funding from the government, "universities struggle to cover Heir corb, therefore higher knows may be necessay in doing so. The university can Hen invest thrence gained from increasing this in feet lato improvements in Heaching quality. This can decrease hin costs if old hinds are used efficiently In conclusion, higher trution fees because they then have a more wase inelastic number of a greater furth of specialist shalls concequently they can demand wages and repay student loans parter composed to English literature students who tend to have lower income jobs upon graduating. Higher to Therefore, higher fees increase equity and improve the distribution of income in the long run, however the universities passed should utilize the fund from and invert in reducing costs of so that trupion feer do not have to remain high.

#### **Examiner commentary**

The candidate received full marks for this response. The analysis of why higher tuition fees should be charged to medical students than English Literature students makes very effective use of marginal revenue product (MRP) theory and the perceived difference in the wage wages the two groups of students are able to command in the labour market. This is **Strong** analysis. A number of reasons are considered as evaluation of the case for charging higher tuition fees, with some use of economic concepts making the evaluation **Good**. The judgement at the end raises the quality of the evaluation to **Strong**. Overall, the candidate shows **Strong** knowledge and understanding throughout and is given a mark at the very top of Level 3 of the mark scheme.

#### **Exemplar 2**

7 marks

Medical Shudents as well as graduates of economics and engineering care more in the future that shudents who shuly English literature. This can be seen as unfair for as be all of these Shudents pay the same tribion fee to Shudy the course but medical shudents

will find it easier to repay their debt as they
earn more after they graduate - highest earning graduat
posts'. Consideruly, Chazin than higher tuition fees
makes it more fair to the English Literale Shidow
who don't ean as much.
The increase in fees hower, will provide as are
disincentie to students was want to study medicin
as the piro cost is too high and will instead Shidy
Enjoish instead This is determented disasterous to
the supply of medicine graduates as they are a
Necessity and a lepturards Shift would leave a
gap in the labor market. Additionally, it would
inverse de reduce the number of shidows go trong
for high teach paying careers of they are boyy
charged more, resulting in maket faile. This
shortage I gap would need to be filled ina by
interphanal Shidents.
······································
Additionally, it creates inequality in Society, inrenes
Italise pourty as the rea richer Shident would
go on to shudy Medicites leady to high incomes in
the fat futre while the poorer Shedents worn he
able to close that gap in income as they are defend
from other higher taken with paid courses.
On the other hand, it may be a good we policy if the
extra income Universities gain by increason tribon toes
is put involed back into used to improve the comes
and pay for specialist equipment and on improve
quality of leaching e.g. paying more shalf. As some.
Sources such as meditive cost mue to men, this Inter

may be a lair way to pay for this. This may also be a of An increase in cost of thedice Shuding medicine could be a way to manage the large demand for a medicine degree as it allivates some competition in the for shudent and could allow universities to focus more on smaller sensite groups.

Hosert Higher truition fees chaqed to medical shudent could cove some of the maket failnes relating to university education such as the highest; excess demand but in a only fe haves the propert in society and increase [12] inequality. The government should instead, inholice policies to fund University education such as totaling the increase the amount of local shudents graduate, based on their income levels.

#### **Examiner commentary**

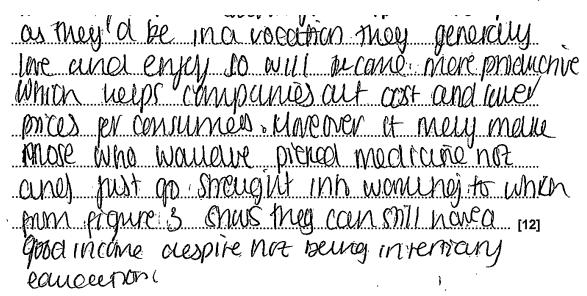
The first paragraph of this response provides *Reasonable* analysis of why medical students should be charged higher tuition fees than English Literature students. Although the point made is valid it is descriptive and needs to be supported by the use of economic concepts to be judged *Good* or *Strong*. The counter argument in paragraph 2 is again general and descriptive with some reference to economic concepts which could have been expanded on to support the point being made. Evaluation here is *Reasonable* as a consequence. Further points about inequality and the revenue for universities are given. These points do not enhance the quality of the analysis and evaluation as they are also considered in a descriptive manner. The final paragraph of the response is a summary of arguments which have been made previously and does not qualify as a judgement. Taking the response as a whole, knowledge and understanding is *Reasonable* to *Good* and analysis and evaluation are *Reasonable* which fits the criteria in Level 2 of the mark scheme and the default mid-mark of 7 has been given.

#### **Exemplar 3**

3 marks

A tirguer history fee shouldn't be charged to medical shellents mounts anglish Literarize and only it could dismonthise shellents to take vital courses will medicane. A so differno in the price much home negative effects on both courses as degrow it notalls their theres are algebrated and value of the two courses. For English Shidents it puts

from below and underwines me value of fuer cause which could put succent of and affect English in the economy. Mareover , it wand disincentives much to iguediciace is the price clone right now 1 deter people from telland and courts so an additional increase would nut make smolent pel cere theres no part as all of what hey deam would never to be pur go to Meday Mell - This would have a though 1940 AN THE CHALDIMED BIT IND DITT IN The Country, WMICN, WOULD, NOUNG CV. NODELING appet an the nearly come stal at turner as there would be a carp of medical projections and productivity as lep people wand be internary education to which a lack of spin of companies connol occur which neary no new pos created for eventine. However some many circule of should be charged as the highest extinuted por graducites have been shidents must meet been so an Morcoll wallent after hom to much as they get payed mere their more who Engish Literanite. It called also be CODO INCONTICE PER STUDIOUS TO CONNECT my their creditive side as mainy shielents just opt for the courses which ensure a negret ecupel for in the future But from the deference In minimpeo melly energie them to follow mus ruy achiery live and in him could to renegt the ountry autast une production



#### **Examiner commentary**

This response considers arguments in favour of charging medical students higher tuition fees than English Literature students and is, therefore, balanced. Taking the response as a whole the arguments on both sides a very descriptive and it is difficult to see any reference to the economic concepts which are relevant to the question. It is characterised by unsupported statements, many of which are tautological. There is a reference to 'productivity' in the middle of the response, but this is not part of a coherent chain of reasoning. The response as a whole, therefore, is *Limited* in knowledge and understanding of private and external costs and benefits and analysis and evaluation of the reasons for charging higher tuition fees to medical students. This response gained Level 1, 3 marks.

## **Question 2**

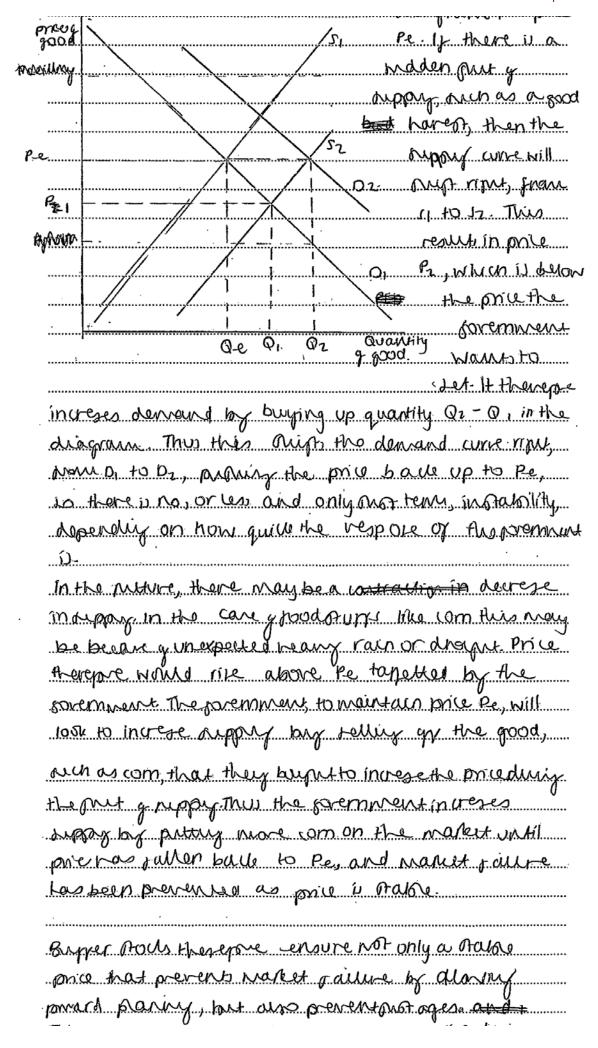
2\* Governments may use buffer stock systems to reduce the market failure caused by price instability.

Evaluate, using an appropriate diagram(s), the effectiveness of a buffer stock system in reducing market failure. [25]

Exemplar 1 25 marks

A bujuer of a de ry Plen is often used in 500 agricultical market, or other markets Where prices and very volable. This represents maket fallul as it means sesses consumers carnot oran what they are going to consulve or pirms what herems they are ping to walle, with ey cannot allocate resumes in the Lay that will most marinise their welfare An example of this would be a june preduring com: at the time she pants it, the poice May be high, but when me comes to hareofit the price May be rengion and thus her resources, land and below to have 1-the crop, are not point it a way that most benegib her welf are. This, Government intervention thron a suppersione may be needed Burker Arous wolk by a jovern went retting a son le or progrange, that they tayer as the stable price. In this dugram it u price

25



26

This prevent makes talline as a price rise duny a morage means on menulo are lishell of are less able to purchase the good, and consumer neligate, or all outher epicieux, is enaingnot accounting there is pood povery or hurger man very high However, bupper from many be limbed in expertiseness ix the good is not storeable, or is stored for too long. Thurste premnent is braile to but up , ell gir goods if the price is too high, as the goods have rotted and are no longer good eugh to rell Terepre the expectiveness of bupilter Andre depends on if the mathet on a continuouncy much water arened the to remneur's tyles price If the market price is continuously above the tapest price, they the premment may run out of Addepoled Adde to ben to lower it by the price is consistently too low, then it may lead to the premnew cantinuously biging up comprexample this is an example of government fails: the preminent o providing - maket in these good where here is no need for one. Farren, in this example are allocating too many I care resurres to the production g com, that there is amply no maked demand for. This is a wave of I carie nesources, either resourcy in the destruction of Ande of the dimping of it in other countries. Thus byper stops will only be expective by the price the government way is to than taget in with the range the maket price printiales between FUPLINAVE the too bupy-er AOU MITTER MOUNT BE expense to a drunker. This could be because the space is needed to nove tho good as well as perme reclus to be employed to monitorphies and output ach ally do the pur dronny. This could great from

27

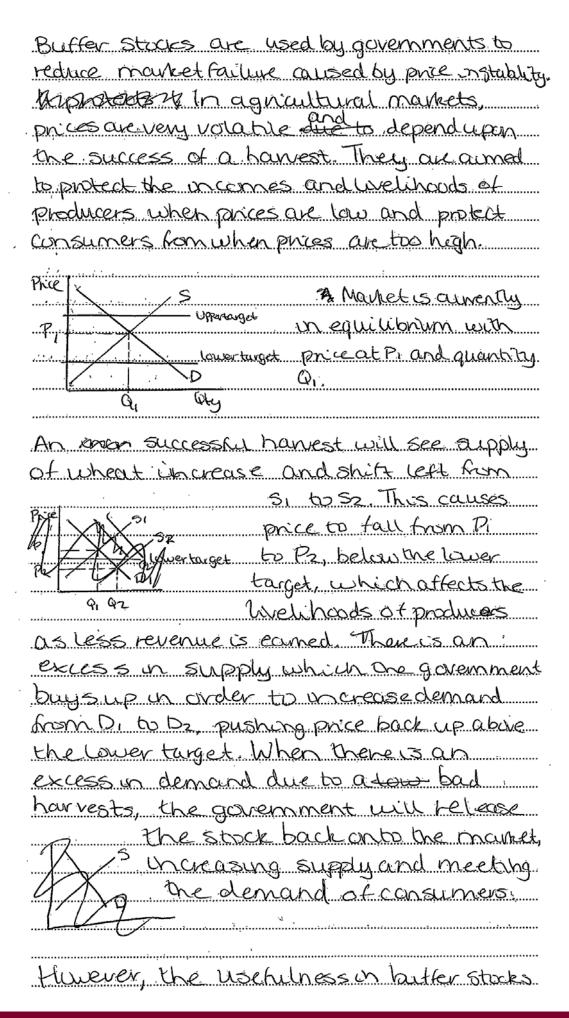
neut jaure a given the hinted coorvies g a for-
emment, there way be more productively spent
on reducing other makest races, rich as renvinon
mental defredation However the LOA by byper Acutes
waybe gift asin throng they mand make a pregit,
given they buy up now at low prices and sell them
op at ligher prices. Thus bupper stooks way be will
be expertive at reducing instability and market
railre is they do not work lange to amount, as they
are thought nove my to have they publicappon
and the upport of the premnent they will be more more and or ain.
In condution, burger from are living to be
epethe at preventing manual raune in a very
given Let of circumstances to long as the goods
are storate and the price Let at an approp-
riate level, then there is no reas on for Their
not to prevent volativity and allow boroward
paning and a socially optiminately
Consumption

#### **Examiner commentary**

The first paragraph of this response shows *Strong* knowledge and understanding of why governments intervene in markets using buffer stock schemes. This is developed well in the next paragraph into an analysis of how buffer stocks work. The analysis is supported by a diagram which is very well integrated and goes on to consider not only how prices are stabilised but under what conditions they would need to be to correct market failure. Taken together, this is *Strong* analysis of the effectiveness of buffer stocks in reducing market failure. Evaluation of the effectiveness of buffer stocks becomes extremely well developed as the response continues. The conclusion contains a judgement linked to the socially optimum level of consumption which raises the previously *Good* evaluation to *Strong*. Taken as a whole, the candidate shows knowledge and understanding of how and why buffer stocks are used and analysis and evaluation of their effectiveness in reducing market failure at a high or *Strong* level.

#### **Exemplar 2**

#### 16 marks



29

depends upon whether the government
has the ability and essential funding to
buy up excess sticks when demandis
Low as it may come with high
opportunity costs. Sundarty, The cost
of storage is very high as stakes need to
be kepting cod conclusion, of which money
could be better used elsewhere It
could be that the government doesn't
have the money at all and so the
buffer stock scheme is unsuccessful and
producers Still suffer from Law prices.
To Other stocks may determinate
rapidly and strong them would be
otno use at all
The cost of storing could lead to the
government trying to and shance him
borrowing which can increase a countrys
debt and thus increase its defait. Funding
can also come from making autoin
Other areas of public funding, whereby
social welfare reduces due to arts in
benedts. Or the gavernment may have
to increase tow in the return to generate
enough revenue to Lind the scheme which
burdens tax payers. Since tax is regressive
it will also burden the pour more as it
will take a larger chunk out of their
disposable incomes.
Another must be a share of the
Another punt to make is that with
government interien his comes the possibility
of government failure which is deemed

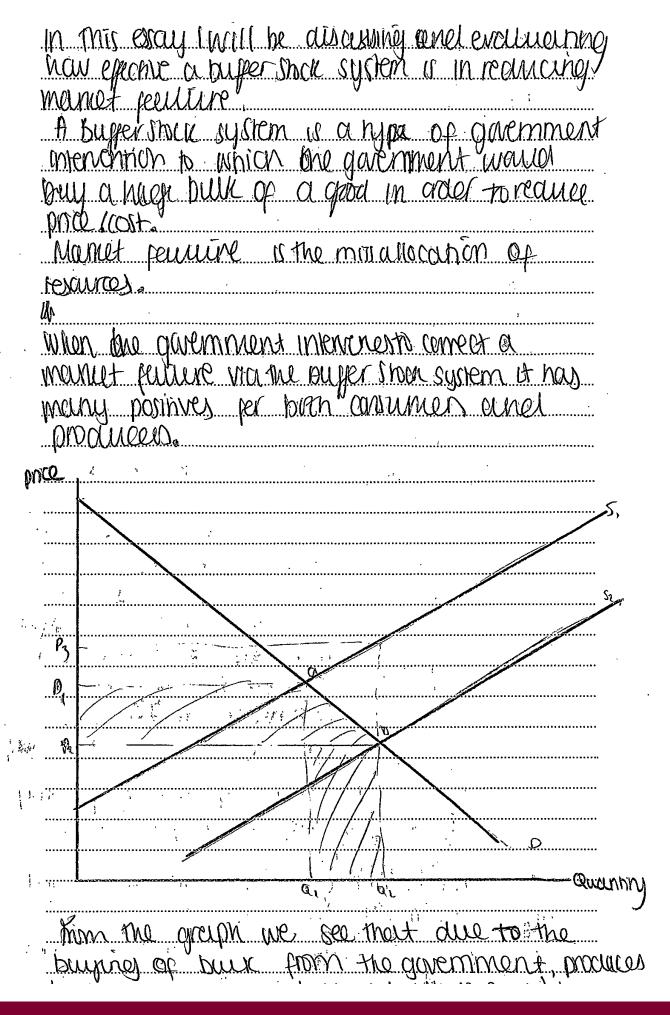
to be even worse than the market failure
Of Rolatile prices. Market Failures
when resources are not allocated efficiently
hence there is a misallocation of resources
which harms so cial welfare Government
failure is when the costs out weigh
the benefits to society on which case
government intervention shouldn't be
used at all
Classical economists would argue that
government vitervention shouldn't be
used at all and that we should just leave
Ut to the nee market.
It to the fee market.
Perhaps, the government cauduse other
Perhaps, the government canduse other
Perhaps, the government canduse other borns of intervention such as a subsidy
Perhaps, the government canduse other forms of menention such as a subsidy to eddow producers to have specialist
Perhaps, the government canduse other forms of invenention such as a subsidy to eddow producers to have specialist machinery that could prevent bad harrests. However subsidies themselves are very expensive with high opportunity costs, and
Perhaps, the government canduse other forms of invenention such as a subsidy to eddow producers to have specialist machinery that could prevent bad harrests. However subsidies themselves are very expensive with high opportunity costs, and could lead to subsidy dependency. Also
Perhaps, the government canduse other forms of invenention such as a subsidy to eddow producers to have specialist machinery that could prevent bad harvests. However subsides themselves are very expensive with high opportunity costs, and could lead to subsidy dependency. Also for it hot monitored, the subsidy could be
Perhaps, the government cauduse other forms of intervention such as a subsidy to eddow producers to have specialist machinery that could prevent bad harvests. However subsidies menselves are very expensive with high opportunity costs, and could lead to subsidy dependency. Also fait not monitized, the subsidy could be used instead to deleverage or pe per into a
Perhaps, the government canduse other forms of invenention such as a subsidy to eddow producers to have specialist machinery that could prevent bad harvests. However subsides themselves are very expensive with high opportunity costs, and could lead to subsidy dependency. Also for it hot monitored, the subsidy could be

#### **Examiner commentary**

The candidate shows a *Good* understanding of the context in which buffer stock schemes might be used and how they operate with upper and lower prices limits. Further in the response the candidate then goes on to analyse how buffer stocks operate to reduce price volatility. The diagram is crossed but not replaced, so it has been considered as part of the analysis. The diagram itself is a correct interpretation of when prices of agricultural commodities might fall below the lower price limit, although the candidate describes the supply curve as shifting 'left'. Benefit of the doubt is given in this case and the analysis at offered is judged to be *Good*. It is not *Strong* because there has been no link to market failure as required by the question. Evaluation then follows. To begin with the evaluation consists of a series of points with modest development. However, the issue about the cost of storage shows much more development when it considers the implications of raising taxation. This lifts the evaluation from *Reasonable* to *Good*. There is a consideration of other policy responses to price volatility but no overall judgement on the effectiveness of buffer stock schemes. Taking the response as a whole, knowledge and understanding, analysis and evaluation are all *Good*. This more than meets the criteria for Level 2 of the mark scheme, so a mark at the bottom of Level 3 is given.

#### **Exemplar 3**

#### 1 mark



basicely get payed that bulk (P, P, ab) to at prices prim P, to P2. so from it produces out prices, which in but payed, incontrosed to cet prices, which in but payed a abor a, anop of their subridy bulk payment prim basemment. It's then good for common els they get cheeper prices as pur a my waller need to pay P2.

#### **Examiner commentary**

This is a response which is very *Limited* in all skills. In the first part of the response, the candidate does not have a correct understanding of buffer stock schemes and a general understanding of market failure only. This *Limited* knowledge and understanding is confirmed as the response continues in the description of the diagram. The overall impression is a lack of knowledge and understanding and an inability to correctly analyse how buffer stock schemes operate to reduce the volatility of prices. No evaluation is offered by the candidate. *Limited* knowledge and understanding, *Limited* analysis and *No* evaluation justify the mark given which is at the bottom of Level 1 of the mark scheme.

## **Question 3**

3\* Some economists claim that the Royal Mail was more efficient when it was a monopoly.

Evaluate, using an appropriate diagram(s), whether a monopoly will be efficient.

[25]

#### **Exemplar 1**

25 marks

A mongpoly is a market shuchwe in which there is one seller of a good or service. They wanted dominate the market with a 25% share and they act as price the makers or they face as relatively inelastic demand curve. They are shar and lay run profit maximisers and lack productive and allocative efficiency, however they can be efficient in other areas. Manapolies are also operate into with little to no competition and so do not face pressures in lowering prices, as is the cae with other market structures such as obsopolies and monopolistic competition, therefore the extent to which obsopolies and monopolistic competition, therefore the extent to which obsopolies and monopolistic competition, therefore the extent to which obsopolies and monopolistic competition, therefore the extent to which obsopolies and monopolistic competition, therefore the extent to which obsopolies and monopolistic

In an monopoly, fins pace are able to make supernomal

(or abnomal) propit by Setting the price where MR=MC, the propit

maximility level or output. As a result, they earn

Superomal propit dean sham by the haded

orea. This creates inephiliencies as propit

ore ore usually distributed to historial in

the form of dividends. The diagram

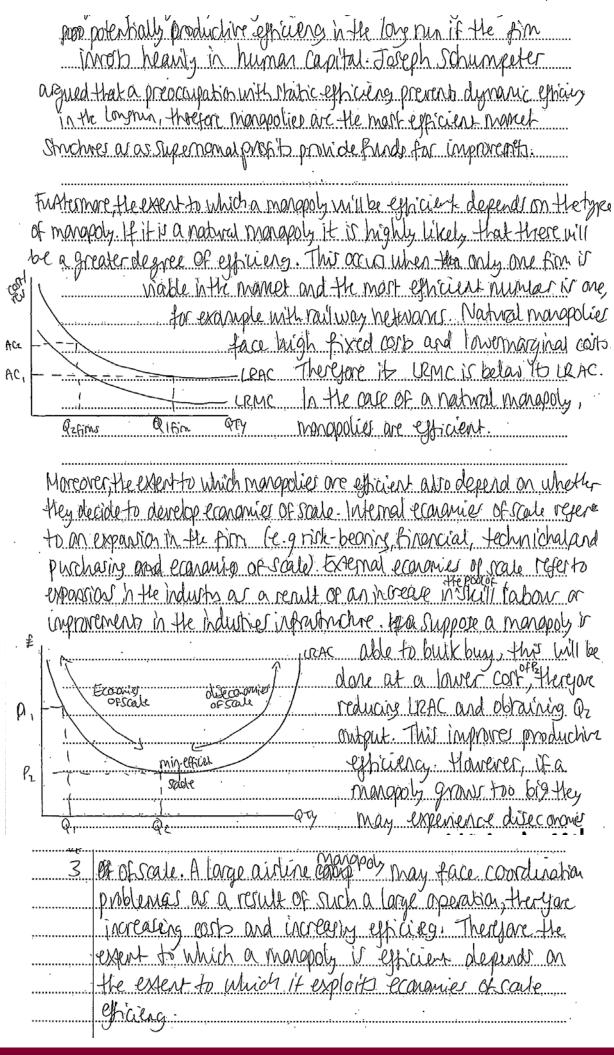
also demanstrates their a manapoly

are part is economically inefficiency.

This is because the fin is not operating at the minimum point of its
URAC curre and so is productively inefficient. Price is only not
equal to MC and so the fin is not allocatively efficient. They are
able to charge higher prices as there is no threat of entry (it is not a
contestable marnet) and so produces surplus is converted into produces
surplus. This can also occur through price discrimination, whereby
a manapoly charges consumes based on their willingness to pay (first
degree) or their relative price elacticity of demand (3rd degree). This can

34

atro be referred to as aptimal pricing and reduces allocative efficiency by reducing communer suplus, Herefore suggesting that manapolies are On the other hand, the extent to which a manapoly is allocatively reficint depends on how it with utilizer its suferiornal profits. It may have philanthropic objectives, as seen with firm such as Vigin and Microsoft and so man distribut profib to mider society. This can be done in What it known as carporate social responsibility (CR). A monopoly may use its profits to benepit society, increase its reputation and create a paritive image. Furthermore, the manapoly theory airrunes that all manapolies profit maximize, however there are other objectives that Hey may prioritize such a saler maximisation whereby AC=AR revenue maximipation (MR=0). There can increase a manapolies momet shar and increase efficiency if such objectives are carried out alongide a lowering of prices. Therefore the extent to which a manager is efficient defends on its objectives. Furtermore, in the real word, a manapoly is likely to eagle out profit Satisficing behaviour as a result of the principle-agent problem -inefficiency. This occurer when actual and thus can en r than potential costs as a result of organisational Slack. This means managedly doer not exploit it potenna potential for cost savings and so xinefling may experience technichal inefficiencies. This may occur if a lorge manapoly dealder to merge or operational bottlenecht may create conflicts among shareholder. On the other hand, a manapoly may experiency olynamic ethicines. wherly it improves its coordination and technological production Processes, this can be done by investing in recease Which ack as a sunk cost. This Dynamic esticing can improve the quality of goods, Herefore charging allocative efficiency and

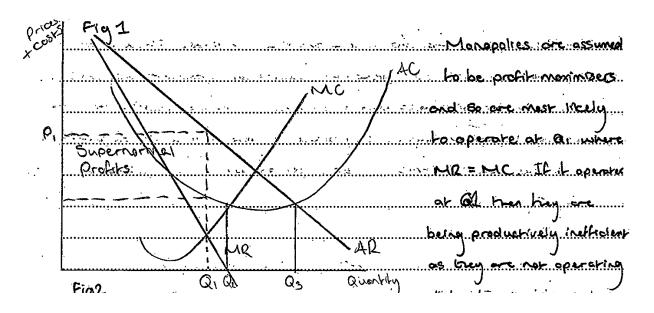


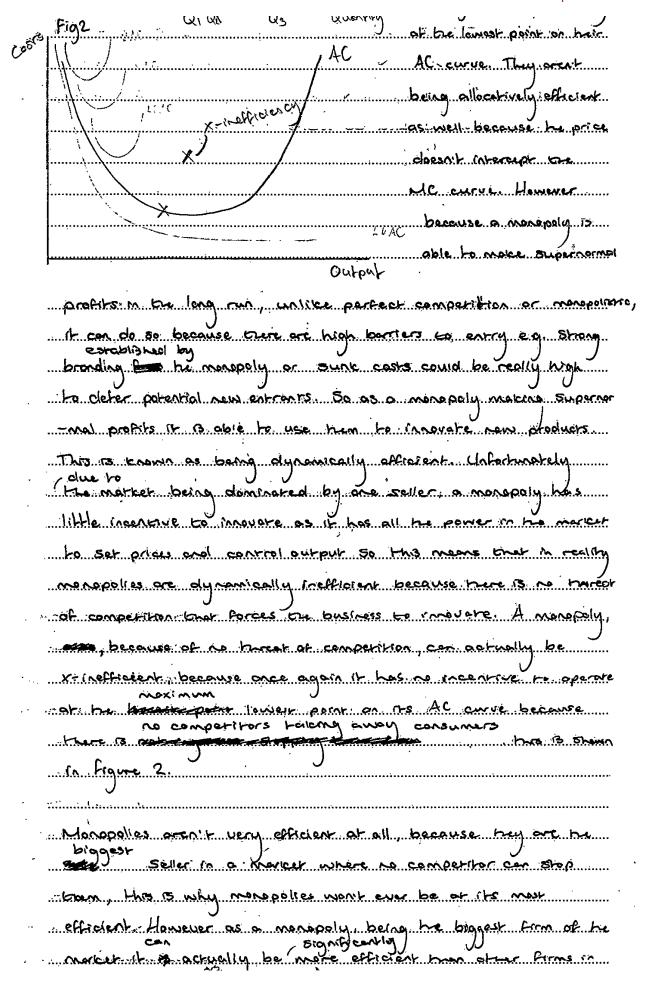
L
In conclusion a manapoly fin can be both efficient or
inefficient. A manageoly is likely to be more efficient
in the long run as it invests its supernormal profits has
innovation and REP. However, a manapoly may
expensive a high degree of X-inefficing as a
result of little competitive pressures. They may also
exploit Heir price making power and 2 50 the Competition
and Markets Anthonity may need to step in to enrure
prices are not too high. Régulation ir also required
in natural manapoly manel such as water and
etechnicity which is regularted by OFWAT and OFGEN.
Finally, the case for manapolier being ephicient it
debateable in reality different manapolier have
different objectives and if it is autaposed monapolies
Who seek to proft maxinuse who are most likely
to be eg-inefficient as they seek to warginize
Jelf-intoler and supernanal profit.
• • • • • • • • • • • • • • • • • • • •

The candidate shows a **Good** understanding of the market structure of monopoly in the opening paragraph. This is then extremely well developed into an analysis of the productive and allocative inefficiencies expected in such a market structure. The diagram is very well integrated and terms and concepts are used accurately. This shows both **Strong** knowledge and understanding and Strong analysis. The candidate begins to offer counter arguments and this evaluation builds to **Good** through consideration of a range of alternative firm objectives and potential dynamic efficiencies in the use of abnormal profit. A clear judgement is made. This is superbly developed by the consideration of efficiencies under conditions of natural monopoly. Taking the answer as a whole, knowledge and understanding, analysis an evaluation are all **Strong** and the top mark in Level 4 of the mark scheme was given.

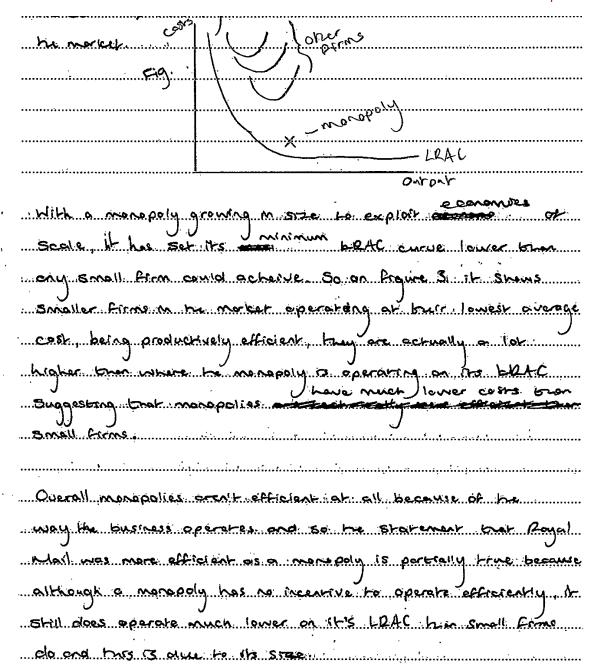
#### **Exemplar 2**

#### 16 marks





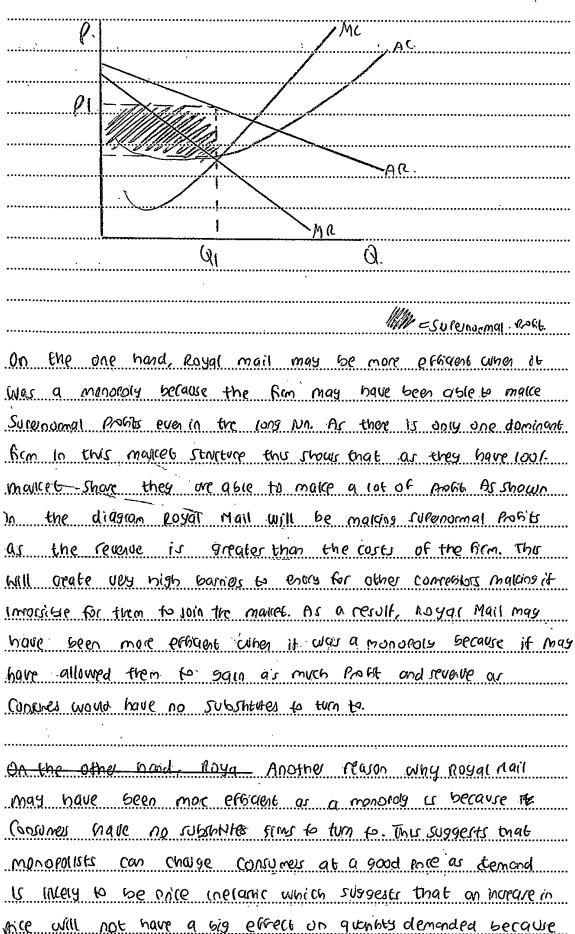
38



Many buyear,

The candidate addresses the question head-on from the start of the response by considering the productive and allocative inefficiencies of a monopoly market structure. The first diagram is not integrated into the analysis and there are inaccuracies apparent in the relationship between marginal cost and average cost. Allocative efficiency is could be better explained as P > MC rather than 'price not intersecting MC' and the second diagram is not integrated into the analysis at all. At this point in the response, analysis was judged to be **Good** rather than **Strong** for these reasons.

xemplar 3	marks
A Monopoly is a maject structure where there is one dominant	
ficm Who has 100% mancer share as there are very high bounds	•••
to entry Preventing Other firms to join the marcet, and there are	····



Currous will have no choice but to so to mat one fim. As

40

a result, this shows mut the form may be donomique more

Officient as they would be able to use the superiormal

pebts frat they are malage and invest in more innovative
Sources malang it even more difficult for firms to enter However
in the long run, the sovenment may not allow the monorolyt to chause
expensely high picel as the could expected consumers and
Grate inequality which could cerult in marcet failur
da leading to government intervention
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
on the other hand, a monapoly may not be efficient for
royal mail as it consumes one exclosted the this wild
expetually read to government intercention and major Fairun
on the other hand, as a mensionly only consist of
One dominant from 10 the market that man not be
ethount for royal mail as hired costs can be really high.
Fixed costs and the costs must remain country throughout the
Reduction of goods and services. Monopolyts may find it
difficilly to be the only firm opegations in a firm where the
is very high demand As a result. This can impact the demand for
there senter
re
Max Pice
0.
We a Max Q.
On the other hard, a ROSA (Mail May not so as efficient
a weverer at it consumer at a poloited thes mill
have no submitutes to turn to and the may lead to government
interestion where the government will try to set it maximum

Price limit which will not to involve armad by the severe and
will prevent the Manapolist from explaining the consumor As shown
In the diagram if a maximum maximum mice (s set on
a good then this county demanded
from ae to amax and decrare porces from Pe to Priax.
As a result, thu will her to increase demand for the
Good and it will provent the consumer from gething exploited
However, in the CR thu can collecte impact the world made
by the Munopolat.
Overth although the Monoraled will be able to make make
······································
Ovegliz a menoraly will beneat a firm like regarmail as it
Will allow them to have 180% maker share and make
Surenamal Pobits. Howeve although the venoroust may make
superamal PABits in the SR IN the GR they may not be ass
to It the government interview and sets of maximum take
Jevel. Therefore, the success of this agasian derevar on me
extent of government interaction

The response begins with *Good* knowledge and understanding of a monopoly market structure, including an accurately drawn diagram showing abnormal profit. Rather than using this diagram to analyse the inefficiencies of monopoly, the candidate chooses to describe the conditions under which supernormal profit is made. There is no attempt to relate this to any of the different types of efficiency. It carries on to look at how supernormal profit may deliver dynamic efficiency, however. The response is a little confused and there is little development, so the analysis is judged to be *Reasonable* at this point. The crossed out material is not assessed and there is a maximum price diagram which does not seem to be relevant to the question. There is a paragraph that provides a consideration of how government intervention in the form of a maximum price might prevent the exploitation of consumers and this is judged to be *Reasonable* evaluation. The final paragraph is not relevant to the question. Overall, the structure of the response is not coherent but Good knowledge and understanding of aspects of a monopoly market structure and efficiency is apparent. Analysis and evaluation are both *Reasonable*. A mark towards the top of Level 2 of the mark scheme is given.

## **Question 4**

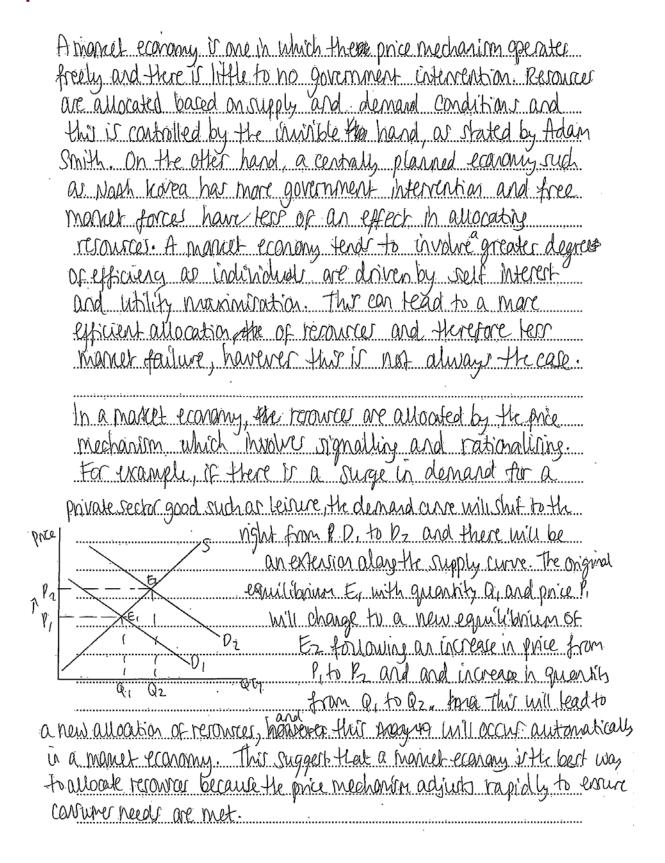
4\* Estonia continues to increase the role of market forces in its economy.

Evaluate whether operating a market economy is the best way to allocate resources.

[25]

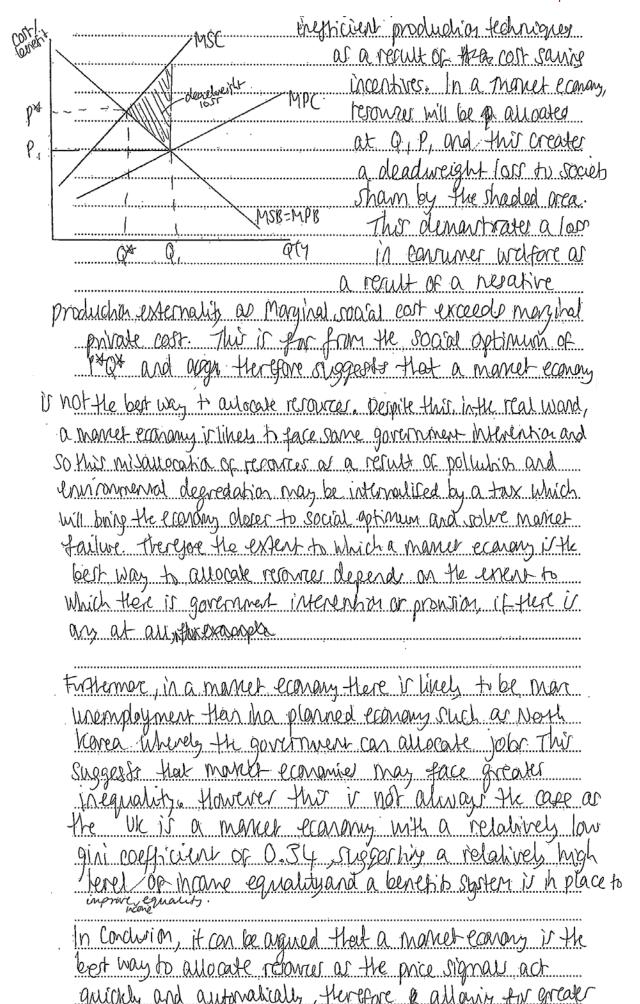
#### **Exemplar 1**

25 marks



Morcover, a worker economy if the best way to already resources because goods and senicestered to be varied and manufo respond to change in consumer preference and so there is greater choice. This can result in greater allocative efficience as consumer satisfaction will be maximised. This contrasts to a centrally planned economy whereby consumers lack choice and the government decides what goods are produced, how they are produced and for whom. Therefore it could be argued that there basic economic problem is dealt with more efficiently in a manual economy.

On the other hand, in a manuel economy such as Edonia which continues to operate in such a momet, public goods may be underprovided. This is because there will be no fired exentive to produce Such goods due to the free rider problem and the nature of public goods as non-rival and non-excludable. As a result, ment goods with portive externalities will be undeprouded Sich a national defence and law and order. There exe may also worky be a lack of public healthcare and this can create inequality in sociaty or contain the poor have to pay for healthcare and private firm have the power charging high prices to explore consumer by paraulary the case with manapoly fine wherely there is Me seller of a good or senice. Therefore manet econonies are not the bast way to allocate terrorces, however this does depend on the type of renounce, particular, public goods can create a mirallocation of teer government regulation AT a terrut, firm are more likely to pollute the a from



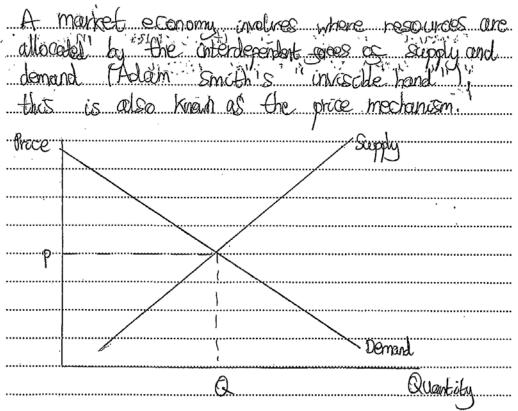
a manut economy Here

Jendo La be greater degree of Incentiviting behaviour and competition whereby firm and households brooking maximize which proprits and whitz. However there may be exploitative manapolises that Charge a unfair price were above the monuel equilibrium, therefore a suggesting narry economies by the propries. It is for this relation that a degree of government intervent as intervent a intervent a intervent a intervent a intervent a suggestion and the conquision and Manuels a huthout and the office of fair Trade. In this case, a manual with se economy will be the best way to allow the persons.

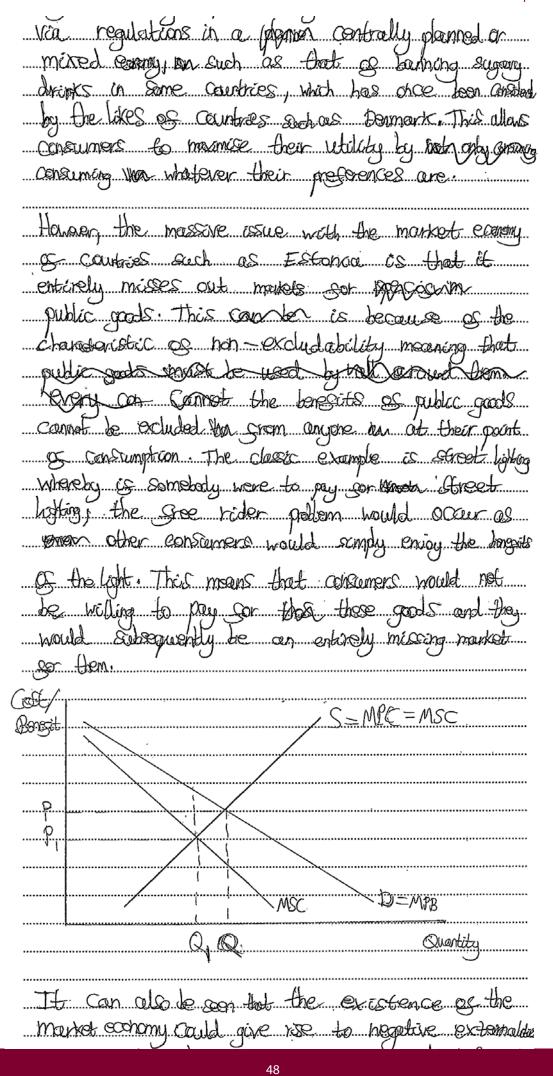
#### **Examiner commentary**

The response begins with very clear knowledge and understanding of the characteristics of the market economy. The candidate does focus on the nature of resource allocation. This is developed, with the aid of a fully integrated diagram and in two separate paragraphs, into an analysis of how the market economy allocates resources optimally. This analysis is judged to be **Strong**. The candidate then offers evaluation of the way in which the market economy allocates resources by considering the under-provision of public goods and the over-provision of goods with negative externalities. The explanation is rich in terms and concepts and is supported by a fully integrated diagram. At this stage the evaluation is judged to be **Good**. A judgement about the need for government intervention to ensure a better allocation is made which raises the evaluation to **Strong**. Taken the response as whole, knowledge and understanding, analysis and evaluation are all **Strong** and the top mark in Level 5 of the mark scheme is given.

Exemplar 2 19 marks



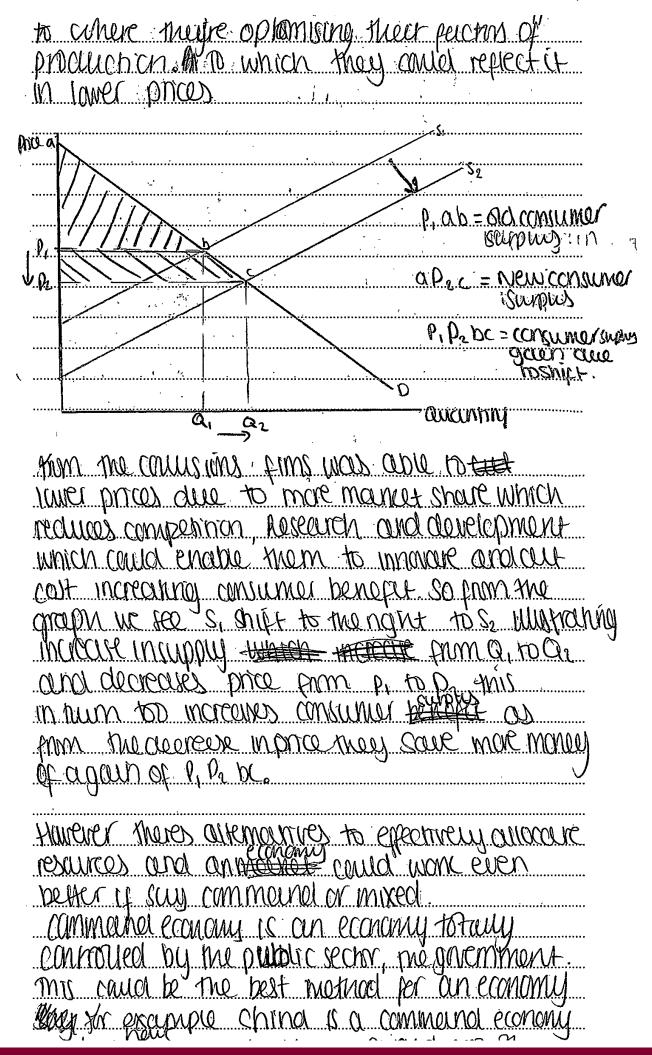
Can be sen via the very bosic apply demand diagram that prices will be kept at notice en price of 1, selling at a guaratity of Q. would mean that allocative ex So ét Could ter gods der eller amelica on the market lands to all Rings to determine prices and Dervices would be proliced. Con consumous model comu model s supply and demand , as the government would do



S consumption because as consumption dotal society
exists, consumers are able to Ida, consume whichever
goods they wish and are likely to consume domant
gods at quartity a, when it would be socially
oftimel for Jen to Observe the greatity of Q.
Lecause this would onser minmal external asserts
Sciety. In this ase, consumps would experience
a welsome Loss on an under the monket earning
because of the market sailure that could
arise Syom Corsumor sovereignty meaning but
END OF QUESTION PAPER
grads are likely demonst gods are likely to be
Consumed and oracle negative impacts to
third parties are as more agarettes leading to
More coole experiencing respiration (sage va
more despe experiencing respiratory caree var
In conclusion, whether or hot the must estima
is lest suited from to ellocate resources deads
on the economy upon which is it operating In an
Exercia, it may hork essectively because thouse.
Mac born for it is more of a developing commy
than the UK son example, so consumers may not
decide to consume demonst gods deceuse those may
Le less of an abundance of doment gods to aure,
A controlly planned e conomy may be in more spake
because it would holp prevent maket situes va
opvenment ateneran.

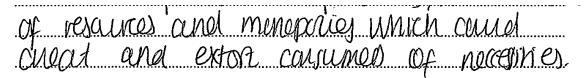
The candidate begins their response by defining what is meant by a market economy and shows knowledge and understanding of the operation of a market drawing a demand and supply diagram. This is then developed into an analysis of how markets allocate resources and reference is made to allocative efficiency, consumer preferences and competition. Because these terms and concepts are stated rather than fully explained the analysis is judged to be **Reasonable** rather than **Good** at this point. What follows is an attempt to explain the implications of consumer sovereignty for resource allocation and the maximisation of consumer utility which raises the analysis offered to **Good**. The candidate then turns to the issue of public goods as a counter argument. The characteristics are clearly explained and the evaluation is, therefore, **Good**. The candidate offers a diagram to support their consideration of the implications of negative externalities, but this is incorrectly labelled. The conclusion does not include a valid judgement. Taking the response as a whole, therefore, knowledge and understanding, analysis and evaluation are all **Good** and a mark towards the top of Level 4 is given.

In this essay I will be excutuating whether operating a maket economy is the best way to allocate A mount economy is one which is controlled only the manet to kinich meet allocate resorgeds via the price mechanism, which looks at the supply and demound. Also with no help from the Public secry, the government. ting at mouncely economy is to allocate resources as that as The people, controlling it, they to su own want. This going consumer be CU THEIR demeunals would be me heceral from This inhum could load to more incontres of now businesses as due to their being no imput of the government mere could bless rigulations and laws opposite some inhivate ideas birms whally wandie had to stop Such as' collusion. Collusion is 11199 reasoninget some benefits can come from two pinds cannel toglether gaining more mannet Share by canting to one hosewich and allieuponent certel improve drasticity vid the contession which could decrease ousymetric information of when consumer, proclucer or the generament have a lack of information upon buying or



and attend a directic upward growth
in their economy. Sometimes the government
consect the bigger picture and lenow whom
best fer the economy in harms of growth
and nonto be efficient when allecentral
resaurces, pereputing consumers as they're also
to new economies of scall where with their
morecelled aut pett, Their prices cleoreoute.
26200 We orner hound same mory counter act
most and argue that's most a commound
economy can increase the chance of a clickatholip
which would completely not benefit the economy
But yet melle hem norse-off.
so thats where mixed economis are the better
option as from it being committed by both
the meinest and the government, pensumes
needs and want can be met and where
mennet feelling the government can inteners and conect it of by the control of both purie,
and correct it as by the control of born painte,
the method can concentrate on consumers
wounts while the public can fears on ensuring
theres good allocation of necessities such as
eauceiten, recumcire and benefits. It
allo reduces inequality as more not benefiting
onceively prom private benefit meines allocation have the government to fell back on with
here the government to fell back on with
benefit so mey can we and be able to get
my.'
acrall a mental economy is by not the
pest way to allocate resalutes as 4 gives more 1884 fer member features, mus allocation
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A Level Economics Exemplar Candidate Work



#### **Examiner commentary**

The candidate begins with a simple definition of a market economy. The reasons offered as to why the market economy is a good way to allocate resources are, in the main, treated descriptively. However, the argument that a market economy would reduce costs and increase consumer surplus is, on its own, evidence of *Reasonable* analysis. The candidate chooses to look at the alternative to a market economy as evaluation rather than reasons why the market economy may not be the good way to allocate resources. Because of this, the evaluation offered is *Reasonable* rather than *Good*. Overall, the response does not consider the issue of resource allocation in depth and a mark towards the top of Level 2 is given.

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# **Question 5**

5\* Firms usually take into account the income and cross elasticities of demand for their products when setting their prices.

Evaluate whether a firm which produces a product that has positive income elasticity of demand and positive cross elasticity of demand should lower the price of the product. [25]

#### **Exemplar 1**

25 marks

Income dosticity of downed (461) is the responsiveness
of demand for a good or service to a change in real incomes. Cross elestrate of demand (XED) is the vesponsine ress of
demand for good or to a change in price of good y.
These measurements are very useful to firms as they tell them
what affect competitors pricing and changing incomes will have as their product. A positive YED would block it a normal good
as their product. A positive YtD would washe it a normal good
Where a rise in incomes eguate to a rise in domand.
A positive XEd would be make the good a substitute to
another good.
firstly, it sound as the good has positive MED, massi
a fall in incomes with lead to a fall indemend. Therefore
in times of falling incomes the firm should lower price
to maintain demand. This is because consumes will fine and whe
change in their incomes to the force of the product and they
They will continue consumption
V
However, this is dependent on the assumption that
the volutive changes are equal. If prices falls less than
the relative changes are equal. If prices falls less than income consumption unt continue at the same level.
furthermore, to the product has a disc substitute,
as XED is positive the firm is incentivised to lower
prios to attract consumers away from the the problet

54

to Herrs. This will raise their revenue and depending on
their costs, their profit too.
However, this is dependent on the how close of
a substitute the product is. The more close the substitute
the move effective the strategy to lower their price
the move effective the strategy to lawer their price will be as the high the indulte change in demand to the
change in price.
· · · · · · · · · · · · · · · · · · ·
Certhe other hand, the firm shouldn't lower price as
they don't have don't know the price dostraity of demonial (OH)
I for example, even if the XED and YED are positive,
the PED may be inclusted, meaning that a charge in lowering
of price will lead to a fall in total revenue. In this ocenerio,
the firm would be better to increase prices to increase total
14D as Nage are many similar branch and it is a normal good.
bonus Neir PGD & just ineleste and due to it being an
· · · · · · · · · · · · · · · · · · ·
disch addictive substence. Thefre leaving price will lead to a fall in total nevere.
lead to a fall in total nevere.
1 L 1 L 1 L 1 L 1 L 1 L 1 L 1 L 1 L 1 L
Hovever this can be eventuated as it is dependent on
which dostrates would have a greater impact.
The sun of change in never from the change fro
when ratisfy fifte could obtained the clarge from
If the menting that in fact carring price nound be more
effective.
Fullberrigge, we don't bugger the river of the Rom This done last
fullbernare, we don't know the aim of the firm. It is depondent on what their objectives one of the profit maximise
W. I. V. J.

then lawring price may be a good idea, as the same for
with sales volume and sale revene. However if
nelle maxime afrom 15 tothe mature then it may not be best to /
laver price as it could decreese the total welfare.
In conclusion, to know whether or not the firm should lower
prices based solely on the XED and YED is difficult to say.
How I do believe it Heartranky can increwe nevere.
But, it is defendent on PED. Wost impotantly It is defendent
as the firms objectives constituty they wish to change the priviley-
Alternatively, the firm could invest in their product to turn
it into less of a substitute and thurful less sees volatile to
changes in prices of computitors. Maran, if this Heir Objective
was to increase profit a more better quality product may increase
sales and maybe even profits.
Hover this way be
7

Correct definitions of income and cross price elasticity are offered at the start of the candidate's response, showing *Good* knowledge and understanding. The candidate goes on to explain the implications for demand for a good with a positive income elasticity of demand of a fall income and how a reduction in price in this situation may be an appropriate response by firms. This is then counterbalanced with an undeveloped point of evaluation. The implications of a positive cross elasticity of demand are then considered and related to the appropriateness of a reduction in price. Again, a single and undeveloped point of evaluation is offered as a counter balance. The evaluation becomes stronger as the importance of price elasticity of demand for pricing decisions is considered in detail. The response includes a judgement about the importance of the objectives of firms. Taking the response as a whole, this is a well-focused response to the question with *Strong* knowledge and understanding and analysis and evaluation which are both *Strong*. The top mark in Level 5 of the mark scheme is given.

Exemplar 2

16 marks

A positive	home elastic	product	ould Suggest that
This product is	- J: ', -	· '}.	
posikius cross els			)
a Bubstitute of			. J
As he product is	i de la companya de	1.1.	
low income, he	n the good is	less likely to	be demanded and

mast likely con easily be substituted
A reduction in price for this good, as it is a substitute, mans
a reduction on the quantity demanded of the other good being
cross closure product is most likely be increase alemand for
this product.
As this product a a lucing in server good town lenering
the price will also increase demand regardless of what income
B because consumers on a low moone might buy his product
if the lowering of he price materies the lowering of heir means
•
However if the XCO of this product is something like 0:25 reduction will any increase demand minimally
and so might not be moren reducing to price to gain a few
extra customers.
On the other hand it neemes rise by, for example, 0.5% him
it would also be better to keep prices where tray are to
potentially maximus revenus garned from extra olemand.
J
Overall lowering the price in this situation would be a good
idea, as it will attract more demand. However this depends
on how maome elastic the product it as well as cross electic as
low alastrottes would see a minimal onange in quantity
demanded and high elasticities would see significant moresie
Price elestricity outs needs to be taken into account because
a price melosic product wouldn't see much charge in demont
when he business lowers he price.

The candidate clearly understands the two elasticities and is able to analyse how the given values would justify a reduction in price. The analysis is straightforward but clear and focused and, therefore, considered to be **Good** for this question. Similarly the evaluation is also relatively straightforward but focused and developed. There is no judgement offered, however. Knowledge and understanding throughout the response is **Good** and analysis is **Good** rather than **Strong**. However, because the candidate offers more than **Reasonable** evaluation the response can be given a mark at the bottom of Level 4 of the mark scheme.

# Exemplar 3

## 9 marks

Income elasticity measures the respondencement of change.
in quantity demanded over the change in income.
Whill wall elasticity of demand measures the responsi-
WINELL OF A Change in ACCENTIFY WEMAND FOR A GOOD!
Service given a change in price of another.
nout:
poifix Products that have an income elasticity are said
to be normal goods. This means as income increases
Ulemand for the Certain good whose decreases this is
hereise consumers have a righer sacame. This could
suggest that a pirm should lower their
MICES DECAUSE Their GOODS Are income classic However
it also deman depends on whether the VED is
greater than Or Less than one This is because
when 4th Is positive and less + nan 1 it means
that it is a normal saferior. This means
that income will increall nowever consumption of
I'M MOCUIL WIN not increase at the lame rose
1/ the JED in one than 1 it meant that the
-product is a solmal words meaning that
When intome increases almand is paspropositionally.
MON This means shot the films to should
takt into account the whether the numberis
GRAFER OF U.I. than one. Meaning that price may.
sot be the delicting factor and that the type of
FIRM COOK CLAIXO PROCLATE AND COME MOST MAS
a positive contection of despara
good it is also peays a role
film/ Inould allo Cower the price of the
product in the prost elasticity of genandis

politive. This is because it means that the MODULT BUS INDITITUTES TOW STONGLY MELATED TIM SUBSTITUTES GIVE WILL BE DEANING DEPENDENT ON WILLIE IL SEED IN MOR FRAN I I F MEAN THAT the Madulls are infongly Maked meaning that lower prices will be effective as it many not have a distinctive profeshore that sell MADUNE FROM OTHER LONDALLITES + 10WLVEL When XED IS COLL THON ONE IF MEAN THAT THE problement her not strongly related meaning 1 HAGE A SILM COULD PURILBUY Charge to agree Mices Flowever When XED is O it means that there it no recubility between the youw. This LOCALI CLIO FICTAL FO CHANGE HIGHEN MICELOK Kelp prices the same because the price other MOCLUCT WILL not have an affect on a emand BULUALL The firm could lower the price of the modulet paled on the fact it bas a paintive income elasticity of demand and positive Cross classian because it could allow ficht to achieve one of their main objective Which if mofile maximization. They could Wil this to invit in A & D or we is to innovate End differentiate their products que and this LOUIS PREASE RUSSOL FULTHELL Flowers, the FITM Should consider what type of maxizet Mey are in If they are in a competitive Market they use should ove competitive Micing Pathe Than pedetony miding of this sould clad to a price war which would not Deplical to any of the picasing the

indutity firms should also consider increasing

Idles of their module use non-more rowy

Lay such as promiser Also firms need to

who take into account now their modules are

being distributed by online consimers have

Greater choice and unowledge meaning the

May sick the company with the conest

May sick the company with the conest

#### **Examiner commentary**

The response begins with correct definitions of income and cross elasticity of demand. The second paragraph of the response shows incorrect analysis of the impact of rising incomes on the demand for a normal good. The analysis of the implications for price of a positive cross elasticity of demand is better, but still only *Reasonable*. Some of the evaluation offered is not relevant to the question and is, therefore, only *Reasonable* in its focus on the question. Taken as a whole, knowledge and understanding of the usefulness of and significance of the given elasticities is *Good* but the analysis and evaluation are not fully developed in the context of the question and are, therefore, both *Reasonable*. A mark at the top of Level 2 of the mark scheme is appropriate for this response.





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