

Cambridge International AS & A Level Economics

9708





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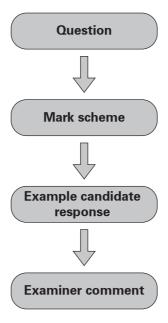
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Introduction

The main aim of this booklet is to exemplify standards for those teaching Cambridge International AS and A Level Economics (9708), and to show how different levels of candidates' performance relate to the subject's curriculum and assessment objectives.

In this booklet a range of candidate responses has been chosen as far as possible to exemplify good, average and weak answers. Each response is accompanied by a brief commentary explaining the strengths and weaknesses of the answers.

For ease of reference the following format for each paper has been adopted:



For Papers 2 and 4 each question is followed by an extract of the mark scheme used by examiners. This, in turn, is followed by examples of marked candidate responses, each with an examiner comment on performance. Comments are given to indicate where and why marks were awarded, and how additional marks could have been obtained. In this way, it is possible to understand what candiates have done to gain their marks and what they still have to do to improve their grades.

Past papers and Principal Examiner Reports for Teachers and other teacher support materials are available on http://teachers.cie.org.uk

Assessment at a glance

Paper		Weighting		
		AS Level	A Level	
Paper 1	1 hour			
30 multiple choice questions (Core)		40%	20%	
Paper 2	1 hour 30 mins			
(a) Data response (Core)				
1 question		30%	15%	
(b) Structured essay (Core)		557050		
1 from a choice of 3		30%	15%	
Paper 3	1 hour			
30 multiple choice questions (Supplement)			15%	
Paper 4	2 hours 15 mins			
(a) Data response (Supplement)				
1 question			10%	
(b) Essays (Supplement)				
2 from a choice of 6			25%	

Teachers are reminded that a full syllabus is available on www.cie.org.uk

Paper 2

Australia and its Northern Territory

The Northern Territory of Australia is a large, sparsely populated area. It relies heavily on tourism, mining, agriculture and fishing. The extraction of oil and gas and the mining of iron ore and bauxite have grown significantly in recent years. Its manufacturing is principally based on the processing of its natural resources.

The Northern Territory government publishes forecasts, which compare the economic prospects of the Northern Territory with those of Australia as a whole. The table below gives extracts from the forecasts in January 2009.

Table 1: Selected economic forecasts for Northern Territory and Australia

	Northern Territory		Australia	
	2008-9	2012-13	2008-9	2012-13
International exports, constant price (A\$*m)	4172	6004	176010	236824
International imports, constant price (A\$m)	2718	2811	217675	224521
Consumer price index, 1989–90=100	164.6	180.0	167.7	186.4
Average weekly nominal earnings, A\$	954	1078	916	1050
Unemployment rate (%)	3.7	5.7	4.2	6.5
Population aged 15–64 (thousands)	170	186	17456	18627

^{*} A\$ = Australian dollars

Question 1(a)(i)

Calculate and compare the change in the trade balance between 2008–9 and 2012–13 of the Northern Territory with that of Australia. [4]

Mark scheme

Calculate and compare the change in the trade balance between 2008–9 and 2012–13 of the Northern Territory with that of Australia. [4]

Both improved (1), Northern Territory (NT) has an increased surplus (1), Australia goes from deficit to surplus (1), supporting calculation NT A\$1454 to A\$3193, Aus A\$-41 665 to A\$12 303 (2)

Comparative points without accurate calculation can be rewarded, but the points must relate to the 'balance', not the change in imports or exports alone.

Trade balance of Northern Territory (2003)	
2 4172 - 2718 = 1454 (surplus)	
Trade belance of Northern Territory (2017)	
2 6004-2811 x 3193 (Inveloi)	
Tride batanes of Australia (2008) &	
2 176010 - 217675 = (41665) / Deficitl	
(rade balance of Australia (2017)	
236824-224521-12393 (supply)	
In Northern Territory there is an increase	
in trade warply which show that there is	
Rair Balgace of Payment are and terms	
of trade are ingleved Australia also improved	
at a greater rate conscritive to workers	
Territory as proved by the Pigules calculate	
above. This shares that Australian assemment	
had made a significant improvement although	
Marthern Ferritory also improved but Austrilia	
at a greater rate which is due to population	
	1
	T. L
	1

Examiner comment

This answer gains full marks. The candidate provides an accurate calculation, although it would have been better if the balances had been shown in Australian dollars. It then goes on to make the comparative points that the balances of both areas had improved and that the balance in Australia had improved at a greater rate.

Mark awarded = 4 out of 4

Trade balance for Northern Territory 2008-9 Exports - imports	
2008-9 Exports - imports 4172-2718 = 1454	
2012-13	
6004-2811-3193	
Exports incluse in 2012-13 as compele 2008-9. Trade Sueplus.	d to
Australia Trade Balance Exports - impoli	ts
2008-9	
176010 -217675 = (41665)	
2012-13	
236824 - 224521 - 12303	
224-524	
In 2008-9 Australia has trade defecit incluye in exports over imports make	/
inclease in exports over imposts make	but/
in clearly in out offer males is talk	

Examiner comment

This answer contains the necessary calculation, but fails to provide any comparative comment. As a result the maximum mark available is two. The question clearly asks the candidate to 'calculate and compare'. Careful reading of question requirements is essential for maximum marks.

Mark awarded = 2 out of 4

- mae in		D
21-) trade balance of the Northern territory	_	
$(X_2 - M_2) = (X_2 - M_2)$		
= (6004-2811) - (4172-2718)		
= 1739m A\$		
percentage change		
change in trade todance for Australia =		
(X2-M2) - (X1-M)		
= (236824-224521) - (176010 - 217675)		
= +53,968mA\$		
Both trade bolances tellered from 2008-9		
2012-13-		
percentage increase for Northern Territory		
= 6004 - 2811 × 100		
4177- 2718	0	-3-2-2
= 219.6%	1	
percentage increase for Australia		
= -29.5%		-3776
The trade balance for the Norther Territor) mill	
increased by 219.6% from 2008-9 to	1	
2012-2013. The trade bolance for the	/	
Norther Territory will increasing whereas	V	
as regative trade bobace for australia		7
will change into a positive one. The perc	entage	-
invierase for australia will be -29.5		-13
as compared to the negative trade bala	nce I	X
in 2008-09.	/	4

This candidate provides a very confused calculation. In addition there is no real direct, comparative comment. There is some understanding of the meaning of 'trade balance' however and the recognition that in Australia the balance changes from a deficit to a surplus. It was considered to have sufficient understanding for one mark.

Mark awarded = 1 out of 4

Question 1(a)(ii)

Explain why exports and imports are often measured at constant prices.

[2]

Mark scheme

Explain why exports and imports are often measured at constant prices.

[2]

Constant prices exclude the effect of inflation (1), more accurate in real terms or shows the volume of trade.

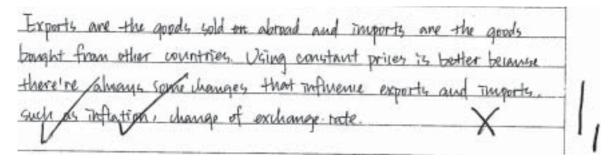
Example candidate response

Exports and imports are measured cit constant
prices in order to ascertain the real growth,
in the trade balance without the inflamen
governments undergt woodwastautid the increase
governments undergy woodwashaund the increase
or decrease union would help implement disequina
porcies backer

Examiner comment

This answer gains both marks available. The idea of the 'real growth in the trade balance' and the fact that inflation distorts the real balance shows that there is clear understanding here.

Mark awarded = 2 out of 2



This candidate gains a mark for the recognition that using constant prices is better because of the distorting effects of inflation and a change in the exchange rate. For a further mark the candidate needed to say a little more on why it was 'better'. This could have been for example a statement that the measurement was more accurate in real terms or that it would show the changes in the actual volume of trade.

Mark awarded = 1 out of 2

Example candidate response

Exports and imports are measured at constant	
brices because they donot relate to any of	
the other components of the economy. Exports and	
Imports when exchanged are according to the	
Imports when exchanged are according to the halves and price; They are not related to anything	()
else.	4/

Examiner comment

This candidate clearly does not understand the idea of 'constant prices'. An attempt is made to suggest a possible meaning, but with little success.

Mark awarded = 0 out of 2

Question 1(b)

Explain two additional pieces of information that would be useful in judging Australia's international financial position. [4]

Mark scheme

Explain two additional pieces of information that would be useful in judging Australia's international financial position. [4]

From net income, net transfers, capital account, financial account, foreign reserves, exchange rate, terms of trade or alternatives, identification (1), plus 1 mark for explanation of identified point (1)

Australia's international financial position can be	
judged by the balance of payment account	
capital and financial section of the balance of	
payment account, which shows the capital inflows	/
and outflows of the country flow much investment	
is done by the foreigners and how much investment	
is done abroad. For example: a Japanese	
motor car company setting up a factory in	
Australia Or Arstralian government building	
or hospital overseas. The Capital and financial	
account consists of directinuestment, portfolio	V
investment flows, other reserves, acquisition disposal	
of nonfrancial and nonproduced assets and capital	
_ V transfel	
Australia's financial position can even be jub judged	
by the terms of trade, that is, the rade at which	
a country exchanges its exports for imports. How	
The quantity of imports that a country can get by	
a unit of exports meguinous is of the terms of trace	
IS = snaex of export prices x 100	4
3 ROLL OF IMPORE IMPOS	

Examiner comment

This candidate provides two relevant and additional pieces of information that would be useful in judging Australia's international position. Both are explained with sufficient clarity and detail to ensure full marks.

Mark awarded = 4 out of 4

The teams of thate can be used in the judging the	
Augtralia's financial position. Team of tage is the	
opportunity cost of importaging in them s of capacit	
or it is the same	
Teors of toale = price of Exposty x 100.	
N police of Apports.	150000000000000000000000000000000000000
It Teoms of toade is greater than 100, it is said to	
be towardable. It teams of trade is less than 100,	
it is said to be undanouable.	0
//-	7
The current Account can also be used to measure	γ
the international firencial position 1	2
/	

Examiner comment

This candidate identifies the terms of trade as an additional piece of information that would be useful in judging Australia's international financial position. The answer then goes on to explain how the terms of trade are calculated. This is worth two marks. The second piece of information identified by the candidate is the 'Current Account'. This fails to score because without elaboration, this is too vague. If the candidate had gone on to identify and explain some items within the Current Account, this would have been acceptable and would have gained further credit.

Mark awarded = 2 out of 2

The consumer pine index shows the rate of	
intration in Australia Intration have a very	
Country. The consumer price index of sustralia	
Country. The Consumer price index of sustralia	
in 2008-9 was 167. 7 and in 2012-13 was	
Le used to determine the phancial statemention	d
position of Australia as calculated above in the	0
part (a).	$+$ \cup

This candidate identifies the Consumer Price Index and the Balance of Trade as two additional pieces of information. These were not acceptable because both of these were provided in Table 1 and could not therefore be considered as 'additional'. This was a very common error amongst candidates. The most likely cause of this error was a failure to read the question requirements carefully and many candidates gained no marks here as a result.

Mark awarded = 0 out of 4

Question 1(c)

Analyse the change in average weekly earnings in Australia in real terms between 2008–9 and 2012–13. [4]

Mark scheme

Analyse the change in average weekly earnings in Australia in real terms between 2008-9 and 2012-13. [4]

For an understanding of meaning of 'real terms' (1 mark)

Real earnings will rise (1), earnings rise more rapidly than inflation (1), supporting calculation 14.6% v. 11.2% (2)

Example candidate response

The an	erage w	eekly B	bornings	in real	begmis 1	would
take i	nto accou	nt infl	lation e	Gorgina	into	
	ation. The					inflation)
	y 11.2%					
the A	verage u	reckly	nominal	earning	s (AS) etc	jose
	6 1/2 betw					
to the	forecast.	Su, 1m	real to	erms, th	e averag	e
weetly	earily	(A4) XO	se by	overset?	alout	3-4%.4

Examiner comment

This concise answer was awarded full marks. The candidate starts by showing a clear understanding of the meaning of 'real terms'. An accurate calculation is then provided showing that inflation rose by 11.2% whilst nominal earnings rose by 14.6%. This was then followed by the correct conclusion that in real terms the average weekly earnings rose.

Mark awarded = 4 out 4

In the years between 2008-2009, the average	
weekly earning in Australia was 9.16 A\$ which.	
in 2012-2013 increased to 1050 As. This change	
Shows that as the year progressed, the mage	
sale which can also per week average weekly	
growinal earnings micreased by 15%.	P. S. L. S.
On the other hand, the average consumer.	
price wider shows that during the years 2008-200	7,
the inflation rate was 67.770 and in 2012-2013,	
it uncreased to 86.4%. Therefore there was a	
28 % ucrease in 2008-2013. This shows that	
prices rose at a higher sale in Australia.	
Analyzing the situation of Australia, it can - :	
be easid that the average weekly earnings	
in Australia in real terms decreased. This is	
because as the nominal Frencige weekly	
earing in Australia in real terms refers to	
the mage rate related to the average price	
level in the country. As it is shown in the	
table, the average frice level also showed a	
use in the year 2008-2013, therefore the	
disposable income in real terms decreases.	
out the years. In simple mords, it can	
be said that the amount that people mand was equal to the amount they had	
examed was equal, to the amount they had	/
to spend a might be to .	
20 - 1 - 1 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2	

This answer showed understanding of the meaning of 'real terms', but unfortunately the candidate was unable to use the data to perform all parts of the calculation. A mark was awarded for the correct calculation of the percentage change in nominal earnings, but there is no figure provided for the percentage increase in prices. This meant that no conclusion regarding the change in real terms could be reached.

Mark awarded = 2 out of 4

Example candidate response

	change = Average wockly earning - CPJ.
Charge E	unitys: - 1000-916= 134.
Change (1Pg 5- 86+4-67-7=18-7.
	=> 134-18-7= kk[11C-3.
The	real change is dependent on the average weakly
еан	inge, lea, the inflation rate. In nominal terms
He	carnings have increased by AS\$ 134 but
at	a closer book the earnings last a increased
by	AS \$ 115-3 meanings that the nate of
- 91	ation has increased and He value or
IN	

Examiner comment

This candidate understands the meaning of 'real terms' and gains a mark for this, however the candidate's application and data handling skills are weak. The candidate does not grasp the distinction between absolute figures, percentages and index numbers and fails to gain any marks for the calculation.

Mark awarded = 1 out of 4

Question 1(d)

With the help of the text and the table, discuss the economic outlook for the Northern Territory.
[6]

Mark scheme

With the help of the text and the table, discuss the economic prospects of the Northern Territory. [6]

Good prospects: trade in tourism (income elastic), minerals and oil, rising surplus, relatively low inflation rate, higher real wages, growth of working population.

Poor prospects: rise in unemployment, dependence on narrow range of production, variable demand, externalities of tourism and mining, lack of sustainability of natural resources.

For the identification of points that could affect the economic prospects of the Northern Territories (2 max.)

For explanation of why the identified points are relevant to the economic prospects. (2 max.)

For comment on the economic prospects of the Northern Territories, for example a reasoned summary or conclusion. (up to 2 marks)

at the Tomotoms of
The text & given above prove that Australia
is a developing country and is specialised in
is a developing country and is specialised in manufacturing sector such and primary sector
such as extraction of oil and gas, mining cresetc.
Abouthant Territory not also tourism
one of main business (service sector). I The
table shows growth in trade balance of Northern
serritory from between 2008-9 and sole 2012-13.
The consumer price in index too showed as

	woward Ship from 164/6 to 100 a (me of 9.26%)
	The actual inflation was forcasted to be 80% in
	2012-13 compared to 1989-40 (boxe year) which might,
	decrease country's economic internation competitiveness
	and attract less inflows of from abroad. Inflation rate
- 2	a considered to be hight and people may lose confidence
	in money . So, gost should take the figure seriously
	to increase country's competitiveness. The Northern
	Territory's parning in real terms would has been forecasted
	to increase, which could increase marginal propersity to
	more import due to high price of domestic gwals.
	he unemployment some to 5.7 % (5470 sixe from 2008-9), which
ula p	ressures gout. to provide more unemployment benefits.
	cut labour force showed of rise of 9.4% from
	2008-9 to 2012-13 which could never increase
	Although him have dence as noticed remaining.
	Although, high dependence on natural resources will
	esources are scarce and high depency on them will lead to deple turn of resources.
	will lead to deple tion of resources.
	2
	2 701
	(5)

This answer starts by describing some features of the Northern Territory economy before identifying information provided in the data that would allow a judgement to be made concerning the economic prospects of this area. The surplus on the trade balance, which is expected to grow, is identified. The candidate then provides some inaccurate estimates of the rate of inflation but goes on to explain the dangers of a high rate of inflation. Some good analysis is then provided using relevant economic concepts. The final paragraph provides a valid comment on the danger of the Northern Territories relying upon natural resources which might run out. A rather fuller comment on the future economic prospects of the region would have resulted in full marks for this answer.

Mark awarded = 5 out of 6

The Northern Territory constitutes a small economy (than	-
Austrailia). Its main industries lie in the primary sector.	-
The economy relies heavily on agriculture and mining.	
In other definitions, it could be labelled as a developing	+
economy - According to forecasts and suggested by the	
text, the maining and extraction including are growing	
significantly. In the future, this development could give	
way to factories and structural charges in the economy	4
likely to shift towards the secondary sector. V	
Balance of Payments are satisfactory under the	_
curcum stances, with exports significantly higher than its	
imports. Inflation a also considerably low and stable.	4
This means risk-taking is enjoyaged and business	+
owners have confidence in the economy.	
Employment is low as well, however the situation,	
might slightly worsen according to forecasts. This may	F.
as well be structural unemployment due to businesses	4
moving towards secondary sector industries.	,
2+2+0	
	4
	A
(12)	12
	4

This candidate identifies and then explains two items of data that could be used to assess the economic prospects of Northern Territory. Good explanations of the inflation rate and the unemployment rate and the significance of each are provided. Marks are lost here however, because there is insufficient attention paid to an assessment of the overall prospects for the region. No comment is provided for example on whether the negative indicators might be more powerful than the positive indicators. This comment might have been supplied in a concluding paragraph in which some evaluative judgement might have been provided.

Mark awarded = 4 out of 6

Northern Territory as mentioned in the passage is a	
Morthern revitory as mentioned in the passage is a	
populated area, which relieves heavily on tourism,	
mining agriculture and fishing which indicates	
that I than about of industries to each from as	
well as from the extraction of oil and gas and the	
T	
mining of iron -one and bounite. It shows a	
very well developed infrastructure of the Marthern	
territory of Austriclia.	
According to the table 1. In 2008-9, It has own	
excess of exports over imports showing a positive	
balance of payments. Further a head in 2012-13	
The state of the s	
Its exports increased well enough, and again	
having a positive Belana of payments showing an	e utateo Hi
1-2000 P 1739 Campage 200 7 Page	
increase of 1739. Consumer price Index is a	
*	

way of measuring inflation that in 2008-9 It has a CPI of 164.6 and goring off a little worse in 2012-13 has big an increase who In 2012-13 It was 180.0, indicating that inflation rate increased.

Average weekly earning in 2008-9 was 954 which increased in 2012-12 to 1072. Morning a good it sign. Next is the unemployment rate that in 2008-9 was 3.7 that roke to 5.7 in 2012-13 which is worse for Norther territory.

Population agad about 15-64 in 2002-6 was 170 which rose to 188 in 2012-13. This factor?

I considered with the infrastructum of the country.

Hence the Northern territory has well economic 2 ontlook as per the table given Not CPP1

Examiner comment

This candidate refers to a very wide range of economic indicators shown in the data. The answer starts with a description of the Northern Territory and then goes on to list the contents of Table 1. The weakness is that none of the indicators are used to answer the question. For example, it is stated that the unemployment rate is expected to rise from 3.7% to 5.7% and that this is 'worse' for the Northern Territory. This is clearly the case, but there is no explanation of why this is so. A simple statement that, for example, a rise in unemployment represents a waste of potential output or that the increase in unemployment benefits represents a drain on government finances would have been sufficient for a further mark here. Explanation of the points identified would have allowed an evaluative conclusion to be reached on the economic outlook of the region.

Mark awarded = 2 out of 6

Question 2(a)

Explain the role that a government should fulfil in a mixed economy.

[8]

Mark scheme

Explain the role that a government must fulfil in a mixed economy.

[8]

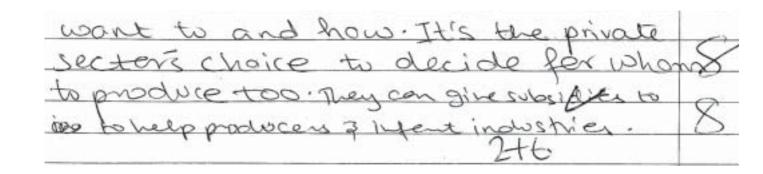
A mixed economy is based on private ownership, the profit motive, demand and supply etc. with a role for the government. The role is to provide the environment in which the market can operate successfully. This includes ensuring law and order, national defence, property rights and the provision of public goods and desirable merit goods. It intervenes with taxes, subsidies etc. to influence the behaviour of the private sector and markets and achieve a better allocation of resources.

For a definition of the mixed economy (2 marks)

For an explanation of the role of government in a mixed economy (6 marks)

A mixed economy is a mixture of
planned economy and free
marker economy. A planned
economy is run by the government
as it solely and makes all the
decisions. Howeva, in a free
market economy the decisions
are taken by the private sector
are taken by the private sector
demand and such Thoras is work
demand and supply. There is very
lettle government ?nferveuxion, such
as to maintain low and order. 2
A mixed economy being a
mixture of bother the extreme
economies, involve two sectors
only, private sector and the
government. Private sector is
fire to make decisions but
government when want or
feel the requirement can profesione
and after the actions of the
private sector to an extent only. (2)
In a mixed economy, private
sectors make private goods only.
They employ the fercters of production
according to their wants and decide
what to make and for whom to

make, themselves. However their



This is a very full answer. The candidate starts by providing a sound explanation of the mixed economy. The answer then goes on to consider a wide range of roles that the government undertakes in a mixed economy. The comment is made that the role of the government is to maximise welfare and various types of government intervention to achieve this are explained. These include price controls, policy concerning demerit and merit goods, the provision of public goods and the need to ensure law and order so that the private sector can operate.

Mark awarded = 8 out of 8

	Section B.	
2	a) The mixed economy consists of bo	
	the market exonomy and the Public ?	bana.
	sector. The government operates	. ,
	in the public sector, the vale of the	
	a overnment is to provide taxes and	
-	Zubsidiez nationalise industries when	
	required operate through a centralised	
	economy? Provide public goods and	
	prevent market failure through the	
	prevention of = externalities by using	
	methods such as regulation and taxes.	
	The mixed economy attalso consists	
	of the market economy. The price	
	system wand determine & this economy	
	as it helps to interpret demand and	
	supply and help also act as a vationing	
	method. The Market economy will	
	usually produce Private goods and	
	consists of thousands of Firms and	
	millions of households.	
	So the government has a huge role	
	to play in the command economy of the	
	mixed economy. However the barket mix	ed
	economy also consists of the market	E
	economy which will usually funderning	\sim
	ony government policies.	5
	Not him creas on 'mixed, 1+4	

This answer starts with a rather uncertain explanation of the 'mixed economy'. It then continues with a number of reasons for government intervention, which are valid, but left insufficiently explained. The answer ends with a very confused concluding paragraph.

Mark awarded = 5 out of 8

Mixed economy is defined as an economy	
while controlled both the parent	
Individuals and by government. It is the	
most realistic type at economy in todays	
11 cause luing salety at government	
world as orlying salely at government	
night make the economy inellisted and	
private individuals would ignore social cost	
The government should play a vital rate	_
in a mixed economy as private individuals	
at maximizing matter which	
might mean that they might even provide barmful goods and ignore negative external.	
handy reads and innove negative external	ties
Maringun gover of	
P I	
-76/	
a l	
Il land direm shows meating externe	lities
The allone day are the	
ers to the regarder and all the minds	ka la
harmful third party effect which nagina dris	
from buseiness activity	
/	-
	-
V	

P 00

so in my	relu geverner	rt should be	06P
a check and through to	balance in	the econon	ry 4
through to	nes and publi	idies rather	than
trying to j	rovide all =	the goods is	traff.

This candidate produces quite a weak answer. There is no clear explanation of the meaning of the term 'mixed economy' provided at the start of the essay. The role of the government is considered very briefly and there is a limited range in the reasons for intervention considered. The structure and content of the answer are both limited and a middling mark is the result.

Mark awarded = 4 out of 8

Question 2(b)

Discuss the accuracy of the definition of public and merit goods as 'goods that must be provided by the government'. [12]

Mark scheme

Discuss the accuracy of the definition of public and merit goods as 'goods that must be provided by the government'. [12]

Public goods are non-rival and non-excludable such as street lighting. Merit goods are goods underprovided by the market system. The consumers lack full information of the consequences of non-consumption. This might include healthcare and pension provision. Although the government provides public goods because it is not possible for the market due to free riders, merit goods are supplied to a greater or lesser extent by private providers. The government also provides other goods and services which are neither public nor merit goods. The definition fits public better than merit goods but is inadequate in itself.

For an understanding of public goods and why they are provided by the government (up to 6 marks)

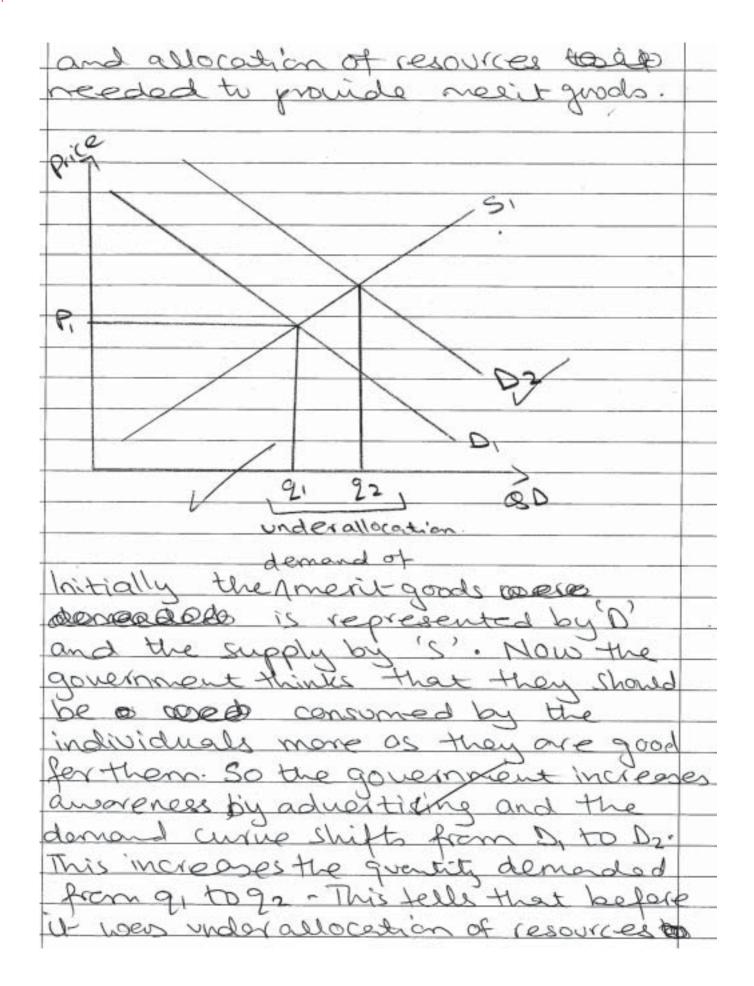
For an understanding of merit goods and why they are provided by the government

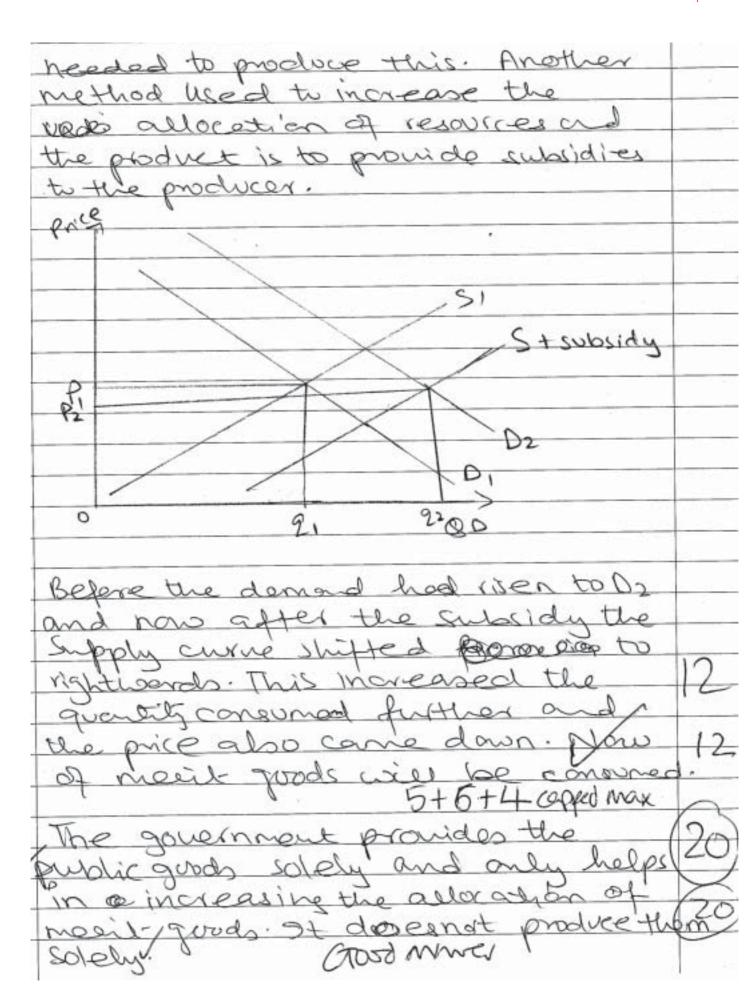
(up to 6 marks) (10 marks max.)

Discussion of the accuracy of the definition.

(4 marks)

Rublic goods are only provided by	
the aprement, example being	
eight house, defence, traffic signals	
and roads. They have the	
characteristics of non- well-adolety	
and non-excludability odonovotalis	Pay
messes Non-rivalry means that	_
consumption by one individual	
doesnot & reduce the amount	
anailable to others. Non/excludabil	1 15
means that no one is expluded	-
from the consumption not even	
those who have not paid feril.	
Public goods are provided by	
the government or private sector	
TE not willing to produce it.	
As no one is willing to pay for	
At due to the non-recludability,	
there is no proper planed registered	
thus private sector is not interested	
Thus private sector is not interested in making tham. Pages Non-recluded	til
and non-rivalry gives birth to the	
problem of free-rider-Thus the	1.3
government takes the responsibility of	111

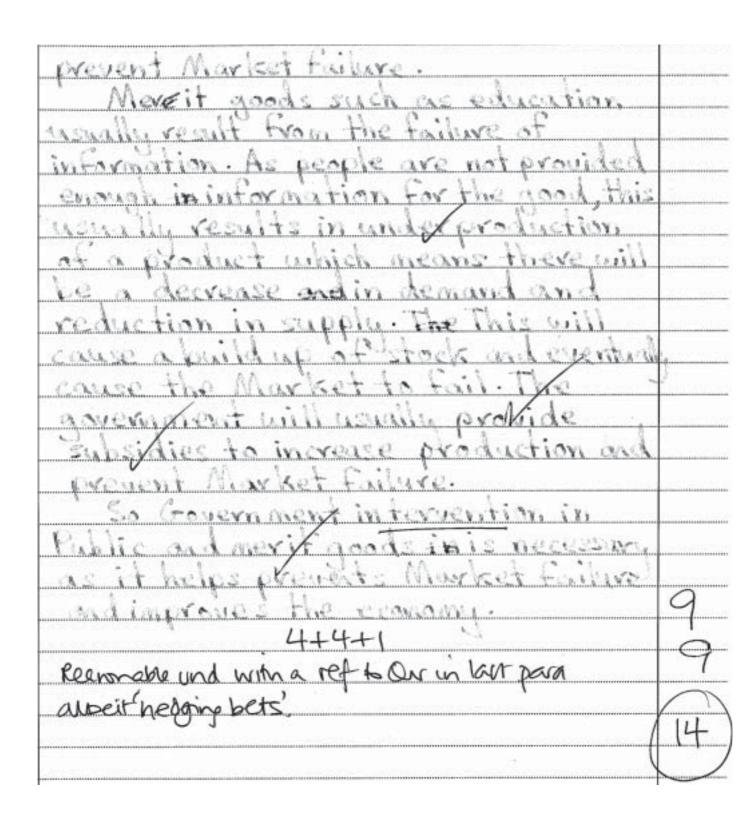




This is an excellent answer. The features of public and merit goods are each explained in sufficient depth. It is clear that the candidate has a firm grasp of each type of good and can distinguish between them. This allows the candidate to consider whether each 'must' be provided by the government. The view reached on each type of good is clear and this is confirmed in a brief conclusion.

Mark awarded = 12 out of 12

A Pup A Public good has the features
of bieng non-excludable which means
ontre a person has purchased a good
other people will also benefit from it
and of bieng non siver which means
as more people consume the product
the benefit provide to those people
who consumed the product will not
he diminished. A Merit road is
defined as something Which provides
benefit to people en education but
they do seople do not passess the
ridet / smouth of information of these
is, Vs.
The government usually provides
public goods such as defence as there
are not suffecient resources to produce
these goods in a market economy the
features of non-excludability and
non rivalry result in the Free vider
problem which means consumers benefit
from those goods that belong to others
rather than purchase thier dun good.
This results in insuffecient source
resources bieng devoted to a
product and results in narket
Failure. The government will
establish readilation to help
4 2'



This answer contains evidence of an understanding of the main features of public and merit goods and gains marks for this. It would have been awarded further marks if the question had been answered more convincingly. A crucial point has been missed. This is that the government 'must' provide public goods because the free rider problem, which is mentioned by the candidate, means that private firms cannot charge a price and as a result cannot make profits from their provision. A more assured explanation of this point would have meant that the candidate would have provided a much more convincing answer to the question set.

Mark awarded = 9 out of 12

Morit Public

Daldle goods build have main two qualities in it. It should be non-encludable which means it the person benefining from it does not have the pull award of the benefits of provided to hem, econocly the good should be non-involved means that the type of good which is being provided could not be provided by any other organisation.

E.g. steellights on reguestantine.

On the other hand plant and

Trite only the infer of the westion in its margin * These Types of goods have positive externalized	Ties.
excludable - means the penson pay	gring ?
for the good can enclude other	saud
get benefit alone and there a	
competition in The Marchet For	
education as The person pays	
The good is only bestepilite you	om d.*
But There is another part	
are de ment goods. These good	
also axeludable and Theire is	
Retion available four evauelle son	
for the pack is able to benefit	
in this type of good to There are	
negative enternalités means	wich
have bad appents on The socie	
The person illoug-term.	J
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	\ <u>_</u>
0 0	
Bhoue Oliognam (a) represents	'he
Toward billy of me har grows our	because
of the lack of audients popular	cons
notallialled towards it allego	uemmu
uesoures are getting water beion	uge my
Diagram Duepusets de-2	7 · · · · · · · · · · · · · · · · · · ·
and Sulling supplying cours	Tent bil
demand as active higher day be	day.
I desirate as going ages asy s	77.

Little of relevance to mean

This is a very poor answer that displays a complete lack of understanding, together with very poor exam technique. The candidate starts by stating that public goods are non-excludable and non-rival. This is correct, but it is clear from the explanation provided of each feature that the candidate has tried to learn these terms rather than understand them. This lack of understanding continues in the candidate's explanation of merit goods. It is correctly stated that these goods are excludable and that they have positive externalities, but these features are not explained sufficiently, nor are they used to answer the question about government provision. The answer then drifts into irrelevance with an explanation of demerit goods and some quite general comments on the benefits of for example education.

Mark awarded = 2 out of 12

Question 3(a)

Using economic analysis, explain the possible causes of the increase in the sales of electronic goods, such as mp3 players, in recent years. [8]

Mark scheme

Using economic analysis, explain the possible causes of the increase in the sales of electronic goods such as mp3 players in recent years. [8]

Influences have come from both the demand and supply side. Rising incomes, advertising, changing fashion and tastes have increased demand. Innovation, the introduction of new and improved products and the lowering of costs have increased supply. The fall in the price of the goods has resulted in an extension of demand. More are being sold at lower prices.

Understanding the significance of demand and supply 2 marks
Explanation of demand and/or supply changes 6 marks
(up to 3 marks for each factor explained)

margin		e.
3) a)	~(3) ⁻	
Inci-	There has been a marrive hype in the production and	rice vectors
	sales of electronic devices such as phones, mp3 players	
	I Pools etc. There are ianumerable reasons for this	
	boom in the electronics industry.	
	. 9	
	Fixthy, it is the task prof commen that have clarged	
	Earlier tope recorden and CD players used to	
	We serve the purpose of & mp3 player but us	
	Here are more donable, ship better quality, and have	
	a much larger storage capacity there have risen in	
	production to meet the demand of the commen.	
	In this modern era people prefer quality a saparity	
	The most which the mp3 player provide.	
	1 'J 1	
ŀ	The increase in the amount of constel intensive	
	The increase in the politicity of the protection and first intensive production methods up another reason for the	/
- 1	increase in the sales of such devices. With	
	growing technology goods can be produced	
	which are much more cheaper, portable and of	U
	a very ligh quality Firms take advantage, of	
	eronomies of scale such as marketing framendely which enables	7 •
	5 5 1	
	P Y	
	51/ 0	
	OverHitz.	
	The graph shows that the equilibrium is at &	
	with price 'P' and quantity Q. With the introduction	fan_

slifting the supply curve from ss to sis busening causity Pice PI with Mp3 players Their substitutes play an important this hype. The substitutes I Pode, I Phone, mp4 players devices such as which are significantly cheaper. Everyone litter the tope regorder use there digital devices substitutes. An mp3 player costs Rs. 1500 - 2000 while an expensive IPod es. 8000-10,000, over 5 times the price! 0. 0 Hilly Price at the quantity rose to to Pi for the could people by a margin

These	are -	He major	reasons	for rise	m so	les of	
mp3	dayers.	As peop	reasons le Jena	al more	to sati	sfy	-
Heir	wante	He	supplien	Supply	more to	make	
large	mon	t of	profits-	110		i	0/
)		0)				81

This is a very good answer that displays a good grasp of the required supply and demand concepts allowing a very successful analysis of the possible causes of the increase in sales of electronic goods. Diagrams are accurate and the examples provided of a possible increase in demand and increase in supply of these products are valid and appropriate.

Mark awarded = 8 out of 8

The Hernand for the electronic goods have cause	9:4
The Hernand too the electronic goods have cause sales to sixe. The demand of such goods have	8
increased because of competition, the compet	140
between we from led to a decree sel spoices	0+
such goods. The increase in competition might	Viewe
consed because of increase in demand, as De	
chove shift, the poices of the electoria goods	200
which invited new thomas to enter in the mean	
activation eventually increased the supply of suc	
300-72 brie	
P. X	
12 / 20	
0,0,02 Q2/D	
Initially, the egy was at point E, then an in	coords
In demand canged demand curve to SHIFT, whi	ch
increase the price to Pi and increased Q to a	
Because of higher polices, new from enteredin	
he market and consed supply to shift to si	/
and equapty to Qa and porce to Pa.	
J	
The increase in Lemond might have caused because	40
The increase in Lemond might have caused because desperted to court of production. The electronic	2
	4
everaged countries, but are gent to 706 Assembly	7
) =	

in Ching because of theop labour. The decrease in	()
cost of production might have have caused prices	
to fall which led to an inchease inflered.	
The increase in the sales might also have consed become	
of inchease in Amathethy Advertising. The persuase	
sheeting shift the demand curved or give whole	δ
PI	
() () () () () () () () () ()	
D	15.500/110-0
QD	
Interest years, we consumed prefetences and tastes	
Love changed. They are diverted more towards	
Inxuries. So And a change in preference might	
also have consed derand to SLIFE. A	
The increase in sales was to might also have	
led because of an increase in the company	
of conquirers:	
The state of poeteberce of consumers might have	
	6
turn called luxueies hat the things which were	1
sites for consumer in	6
needs approcation to be clearer	
2+2+2	

This answer contains some quite valid comment on the possible reasons for the increase in sales of electronic goods. Supply and demand curves are outlined and there are suggested reasons offered for shifts in both the demand curve and the supply curves. Some of the explanation provided is incorrect however and fails to score as highly as it could.

Mark awarded = 6 out of 8

Reducts are divided into two groups inelastic and Elastic products Products like Electronic such a
and Elastic products. Products like Electionic such a
M/3 Playel are Elastic Products.
Inclease in the elasticity Sales of Election
goods can be due to change in Price and
M/3 Played are Clastic Products: Inclease in the elasticity Sales of Electron goods can be due to change in Price and Income in Price.
Price Clarkith of Demand messures the degree of
6 4 minerel of a namble demanded towards a change
Dries la table chance in quantite demanded
in true - therease day in prince NAQ
Perice clashiff of Demand Maseures the degree of responsiveness of quantity demanded towards a Change in Price - Pacentage change in quantity demanded NAQ
11606
Price Electronic goods demanded
10 100
8 150
A change in Price of electronic good will
A include its sales revenue account was
A demand incleases if plices are reduce In
Elastic products such situation will occur-
Other factor for inclease in sales revenue
will be high incomes because consumer spending
Powel will increase and they will alemand tox
W. A/1.811
freedome Clashirty of demand measures the degree
I secome blashirty of stemand measures the degree of supersideness towards of quantity demanded toward a change in income of consumer. Fescentage drange in Ornantity demanded
a change in income of condumer.
Pelcentarge drange in Quantity demanded
y y 2 Price
7

en income includes consumer will move tourists	4
they want to enjoy the luxury of Electionic good	,lj
they want to enjoy the luxury of Electronic good is increases the Sales levenue for such product	ş.
made deside in consumed to buy the product.	4
made desife in consumed to buy the floduct. Soles levenue will include in the schooling	2
when demand incleases and exability to being	
in high then revenue of such products will	

This is a weak answer. It is poorly focused and contains irrelevant material. The candidate seems aware of factors that affect sales, such as advertising and the price of the product, but there is no development of a supply and demand framework within which the answer can be delivered. As a result the candidate scores for one or two points made in a disorganised framework.

Mark awarded = 2 out of 8

Question 3(b)

Suggest two possible reasons why a government might increase the indirect tax on such goods and discuss, in light of these reasons, the likely effectiveness of such a policy. [12]

Mark scheme

Suggest two possible reasons why a government might increase the indirect tax on such goods and discuss, in the light of these reasons, the likely effectiveness of such a policy.

[12]

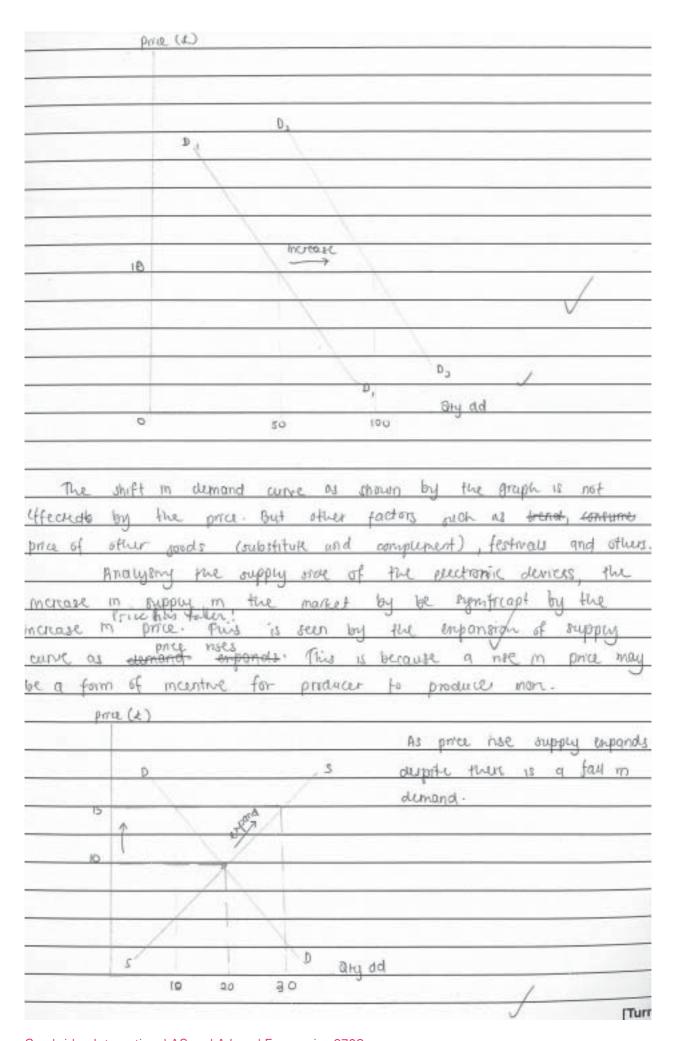
Possible reasons include raising revenue to finance government expenditure, cutting the purchase of imports to help the balance of trade. It might be argued that the products are demerit goods because of the harm to hearing and disturbance to others. An indirect tax is imposed on spending and raises the price of the good. PED measures the responsiveness of demand to a change in price and affects the impact of an increase in an indirect tax. A tax will best reduce the quantity imported when demand for imports is elastic as there will be a more than proportionate fall in demand. To raise revenue it is better for demand to be inelastic so that the fall in demand is less than proportionate to the price rise. The effectiveness of internalising the negative externality will depend upon setting the tax at the appropriate rate.

For a definition of indirect tax (1 mark)

For an explanation of one reason for an indirect tax and a discussion of 'effectiveness' (up to 6 marks with 4 max. if only one element is considered)

For an explanation of a second reason for an indirect tax and a discussion of 'effectiveness' (up to 6 marks with 4 max. if only one element is considered)

	The entropies market trans of goods and services may show have
shown rapi	a changes depending infruenced by several factors. The market
interact	by the forces of the demand and supply in the market.
Demand is	offened as the quantity demanded of a product that consumer
are walling	of and able to buy at various prices pur period of time, pan
EUCHONIC	goods have seen a change in trend of demand where so years
	ectionic devices are seen as wary toods and teantly,
electronic	devices are considered as one of the normal necessity goods
	amond Hele utains consintrative
1 0	There are several factors that affect the charge in demand
sales of	electronic goods. According to the normal law of demand, the
	demanded will not as price fall. Dome This is shown by
	oren along the sight demand come and it is somy aftertal
	fall in price / However, there are other factors that may !
affect d	emand- when exectronic device are concerned, the major
factors (hat causes this increase may be the technology and charge
m consume	is taste tous in favour of electronic devices. The other reason
	attributes may also be a influence from the advisatisement by
	. This factors causes a stop parallel rightward shift in almand
curve.	1
	$(\pm t)$
pro	The Bo Empanator of demand
	quantity demanded may also
	affected by the Price elastraty
	of demand. The more elastic
10	it is the more significant change man be observed as prize
1	3 /
- 5	tuli.
	D Rity dd
0	50 −9 dgr €− 05



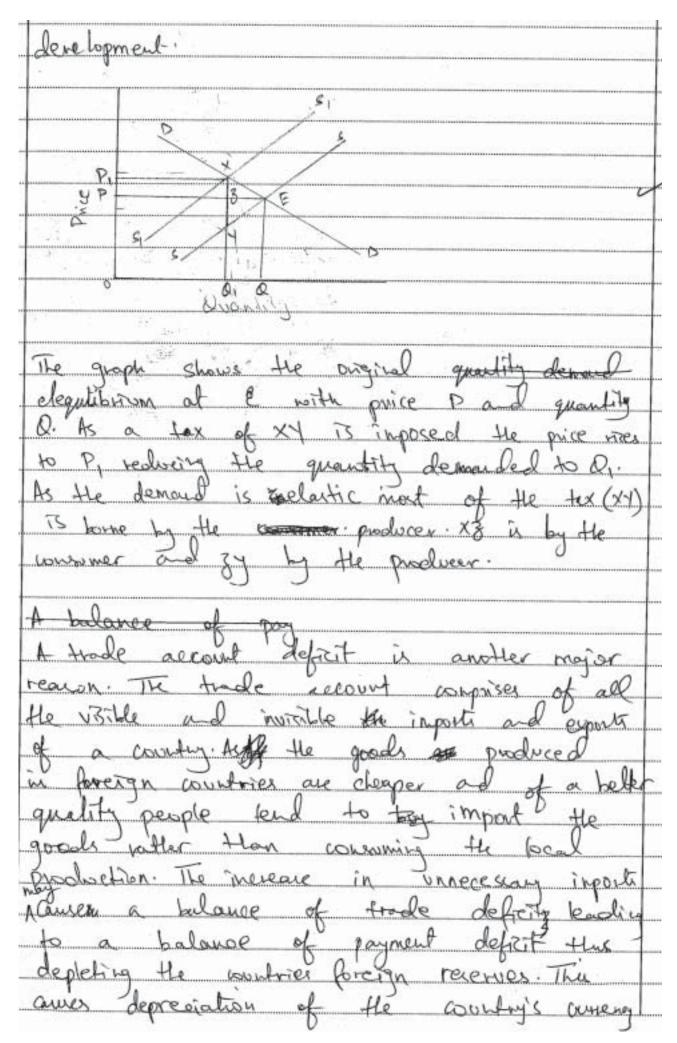
Supply too may shift referred due to other kasons	other
than byce. There may be an a development in technology	that /
ocear in the evertience device morket for matorice, that cause	suppey
to shift nght. Supply defined as the quantity to of	a 100d
Ince (d) that producers are	willing
and able to sup	ply at
essed enoubs 5	40"
s, pursel of t	me
Caters)	oen bus.
10 8 8	
D.	
5,	
Sz aty ad	
0 100 200	
consumer preferences favour the electronic devices there an increase in both demand and ouppey. Thus, a new	21
Zahale Briani Jonecia at bostor D. D.	
pespite the shift in bother both curves, the price	
unchanged as it is proven then are other contributely for	
other from price that effect the sales of electro	
5000s. This may be due to change in technology mu	_
and the charge in consumers taske. Admertisement	
contributed in this evoto drastic evolutions. Another local	
the supply ords are that affect the demand is the	
streeting and management. For enample, the new CEO	h -/-
Apple comparation / was managed to boost the sures of	мррц
product & a few times more than previous years.	
also contributed to the mercatt in sales of each	W.1
ALCO AND HOLD IN ALCO AND ALCO	

goods - As the usage if information technology is encoura		Examinar URB DOS
the devices for schools and offices, which mereages sal	13	
of the device	- 1	
2+6	(Max)	8

This candidate clearly identifies two reasons for the imposition of an indirect tax. Each is explained clearly. Although the second reason identified has the effectiveness of the tax examined, the first reason does not consider this aspect of the question. The question clearly states that effectiveness should be considered, so marks are lost and the mark awarded less than it could have been.

Mark awarded = 8 out of 12

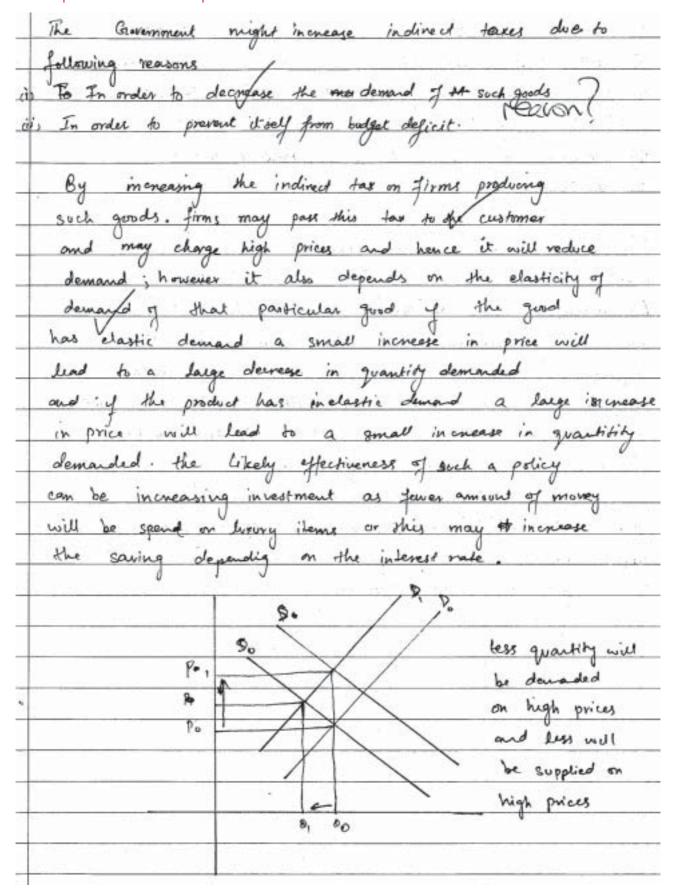
	There are a number of reasons why a government
	may use protectionism such as Ligh tauffs, quotos
	or increase the anout of indirect taxes.
-	Demand pull inflation is a major reason. It is
	defined as the rise in demand for goods which
	causes the pixes # to inflate, Hat is to say, too
	much money charing too few goods with a
	large amount of money in the bonds of people
	their demand for toxonies tends to increase.
-	This hype in 'the buying of unnecessary i tems
-	causes the prices to rise thus resulting in inflation.
	with the introduction of a trick the prices
	of such goods increase. The cost of production
	course the surfaces to reduce their colo
	cames the producen to reduce their supply
	that causes a tree in give this lowering
	Heir quantity demand In adolition to this, -
	luxuries have an Plantic demand. So, if the
	price vices the quantity demand decreaser The
	people was still continue to by such
	expensive boxwies pay large some of too to
	the government which adole to their
1	revenue which can be excut on economican



e dens to stil	and for consumo Heir	pay foxt	- 1	e cleave. He gos onomic	ennert delegan	x
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fells to	XY. This	is due	to rising	puces		
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NOO! BE	x is observed to	,)	7	1+1+3	₂ S
	X			_d		

Candidates were asked to identify two possible reasons for the imposition of an indirect tax. This candidate is unclear on the possible reasons. The reference to demand-pull inflation is confused. There seems to be a recognition that indirect taxes can raise revenue, but this is not developed. Similarly, the explanation of a trade account deficit is not fully clear. In terms of effectiveness, it is correct to refer to the price elasticity of the taxed profit, but this candidate does not apply the concept successfully. The answer also fails to define or explain, 'indirect tax'.

Mark awarded = 5 out of 12



The increase in indirect dat may result the individual	
the money in many to	
with the higher disposable income at the end of month!	
As fewer amount of money will be spent on living thems	-
and this may lead to better standard of living	t
a it als manufales more equal	
By increase the tax it also provides more equal	
dis distribution of income	
The gort may increas indirect taxes in order to	
TOTAL	
achieve prevous it sey from budget deficit TONOWE	
By increasing the de taxes it will limit the	
wants of consumer and this will redoke the	
aggregate demand of consumers which means	
And I want will be high as well	
imports are less and exports will be high. as well	
as budget and this will result in budget sorplus	
however in a long rung currency of the country	-
may depriciale - Because continuous budget suplus will	
impets . I all expets expensive and	
make the exports expensive for ath exports expensive and	2
imports will be less expensive which will result	5
in depriciation of currency	-
	_
0+2+1	13
	1.1
Lack realingagement.	(4)
	1
	171
	T
	1

This candidate identifies two valid reasons for an increase of an indirect tax, although one reason is not expressed very well. The supporting analysis is confused however and fails to answer the question set. The diagram is incorrect and there is considerable irrelevance. This suggests that the candidate lacked the necessary knowledge and understanding to attempt this question.

Mark awarded = 3 out of 12

Question 4(a)

Explain why the successful operation of the division of labour depends upon the use of money.
[8]

Mark scheme

Explain why the successful operation of division of labour depends upon the use of money. [8]

Division of labour involves dividing the production process into a series of stages. This leads to more specialised outputs which are not necessarily final products. Trading these in a barter system would be difficult, inefficient and probably impossible. Money, anything that is generally acceptable as a means of payment, can act as a medium of exchange and a unit of account, so enabling trade to take place and making division of labour effective.

Understanding of division of labour and money 4 marks (one only 3 max.)

Explanation of the link between the functions of money and trade 4 marks

Modern Loy produción is based upon
the principle of division of whom Diwson
& labour is of proces Lowch is accompanied
by specialisation where the poorhers do that
Facts they are good of This is time
Javing and efficient and The Division
of color has been forther promoted
by the use of money as a medium
& exhange.
In old times when the concept of money
was not incrodued people used on
vely on buryer system to corry oil
That love, conscions. A pormer would
take his sent of wheat and go into
the marker to bly some looks in
révorn Barter was rein and line
consuming and depended upon the Double
concidence & Lange It discovaged
división o votor and special soción berause
people only exhanged conficte goods eg
A worker who specialised at making wheels
couldn exchange them for a sent of wheat he
could only get sheat y he had a whole ealt
not just the wheels. Thus borter discouraged
duitsian of coutor.
With the advent of the use of money as

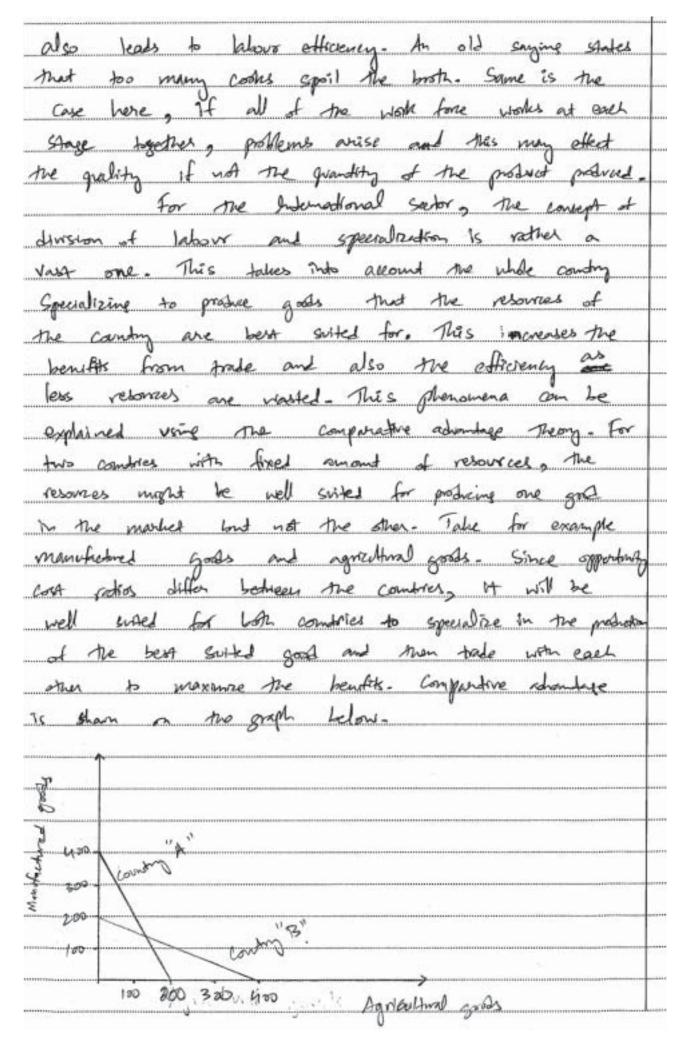
medium a exhange the concept manuficioner who operation of division general acceptablely commodiles they des money

Thus money is evential in the surrepul	o gél an cuevade quantitatio/measu	ee
Thus money is evential in the surregul	a labors work.	1/
	Thus money is evential in the surregul	- 2

This candidate explains both the division of labour and money as a medium of exchange. The answer goes on to explain how money facilitated exchange through the removal of barter and the necessity of a double coincidence of wants. This encouraged growth and the division of labour. Each concept together with the link between them is explained ensuring full marks.

Mark awarded = 8 out of 8

Q4).	z (17)
(0)	
Anguer)	The use of money has a Significant impact
	on the successful operation of an Economy. Money is
	a medium of exchange , a method of account and
	a store of value. Within the economy and in the
	international sectors ne exchange of goods and
	Services takes place using money- Labour is a
	factor of production and 15 very What for production in
	an economy. All economies weight from the factor
	endowment and the amount of resources they have for
	production of goods. This benefit that the commices
	derive can be maximized if resources are used in a
	many they are best suited for and this leads
	to Specialbation.
	Division of labour is a part of specialistin
	process to increase the productivity and thus the
	benefits derived from it. This who consistintes to an
	efficient use of resortes present in an economy, as
	less resources are now viasted. Specialization has benefit
	both done Air and international. & When looking
	from the downester point of veing the production
	process inverses and so does the productivity when
	bloors is specialized. Productivity refers to the
	output per woher per given resources per time-
	For a manufacturing industry for example, if all
	women's work agestrer at all stages, the process would
	toke much bogger longer time compared to each
	Worker doing his designated task. Division of labour



After the production of goods by division of labour, the to marriante the gains, the goods are traded on the international market. For these, the main determinant is moved, as it is the medium of exchange. The price of one curronay in town of mather currony is raffered to as exchange rate. The country purchases the goods of another country in the international market and this exchange of goods continues on a wat level beading to all the contract in visited getting the benefits.

The contract in visited getting the benefits.

Hence it can be seen that successful approaches of division of labour or in other words.

Examiner comment

This candidate explains in some detail the division of labour and identifies this as an aspect of specialisation. Money is also identified as a medium of exchange. This scores highly. Unfortunately, the candidate scores very few marks for the second part of the mark scheme. There is very little on the link between the use of money and the growth of the division of labour and trade.

Mark awarded = 5 out of 8

Seutom B.	
a). Division of labour wears that d	ivide labour into each process
of a the production of a good.	
because each mater will of not	
will Thoreave the quality of the gos	ods. But the workers may
fet feel toring because of doing the	came thing all every day, they
might lose motivation. Also, the	Thdependency of workers are
Not strong, if one worker is also als	
production line will stop. Workers	
Thursace the unempolyment.	
Uses of money means the function	ons of money. First, medium
of exchanges when the country has the	domastic and international trade.
Second, store of value, such as, sa	iting the money in the bank.
Third, measure of value, to evalue	rate the value of goods and
Services. The last one is standard of	
The buciesoful operation of the	
the use of money, because one of	
dist division of labour is that the	e workers will feel boring,
then the company may Trureaux th	
makes that is the norkers will have	
the the productivity of the company	
depends upon the functions of mor	
	y bane

Examiner comment

This is a very poor answer that does not go far beyond a very basic grasp of the two central concepts. The candidate gives a very brief definition of the division of labour but there is little accompanying explanation or attempt to illustrate the process through examples. The answer also contains some irrelevant comment on the disadvantages of the division of labour. This is followed by a list of the functions of money. Again this is far too brief. The candidate fails to display any idea of the link between the two concepts.

Mark awarded = 3 out of 8

Question 4(b)

Discuss whether it is the behaviour of producers, consumers or governments that is most likely to cause inflation. [12]

Mark scheme

Discuss whether it is the behaviour of producers, consumers or governments that is most likely to cause inflation. [12]

Inflation is a sustained rise in the general price level and is measured by the CPI or RPI. Each of the groups can contribute to inflation although in different ways. Producers may increase prices to raise profit levels or to respond to higher import prices (cost push); consumers may increase their spending and reduce their saving raising AD (demand pull); governments may increase the money supply (monetary inflation), lower direct taxation and run budget deficits (demand pull) and raise indirect taxation (cost push inflation); they may also manipulate the exchange rate. Candidates can argue for any group although government influence may be most widespread.

For a definition of inflation	1 mark
For an understanding of different types of inflation	6 marks (10 marks max.)
Analysis of the influence of different groups	6 marks (10 marks max.)
Discussion of the relative impact of the groups	4 marks

Inflation is persistantinse ingenceal
1 interest can be a contracting
(1) Challoping inflation (51-10+1) (2) Walking inflation (50-10-16) (10+0 201-)
a) walking inflation (Sktorto 1618) (101+020)
131 NAMES WHICH I IN 15
@ creeping in flatia (11-57.)
Inflation course general price leve
to rise oursing was which can eventually
come moved to 1826 !!
of produces (overand motorial)
consume (Est passer inflation)
or government (monetony inflation)
do flation con
nominal our inflation is when
Aggregate demand & reconancy nieg
due to increase consumer spending,
has it a seed a love influent take
in capital investments, all there will
result in increase in aggregated
down an a conony, 100 mach
want coming and little import penghant.
technological growth resultingh ware
production
P

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Increase in aggres	gate der	nand will	
result in increase in	vabrice 1	evel along	
with increase in N	lational	moone	
however this is o	why pos	11thgu oute	
point of ful employ	ment of	rex which	
in crease in Aggrega	/		
increase Price level			
National Income . Dem			
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Cost push inflation	5 00000	list - task	
by cost and	1	11	
pre of goods -	Carl	y pa vising	
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can be carried by	, ,		
(1) make in price of 1	aw mater	ia Cexbenage con	of f
Directore in wage			
(3) Increase in price of i			
- caused by increase	in prices	in oth country	j
Down whered	do ind	went taxes.	
	/		

mosqin for produces GOOD 2. 8000 has caused decrease in supply and employment when inflation and unemployment coexist called stagfiation ? mallation inflation, mans P=Priceleve

ence 9 Price Levelli prices to vide

Examiner comment

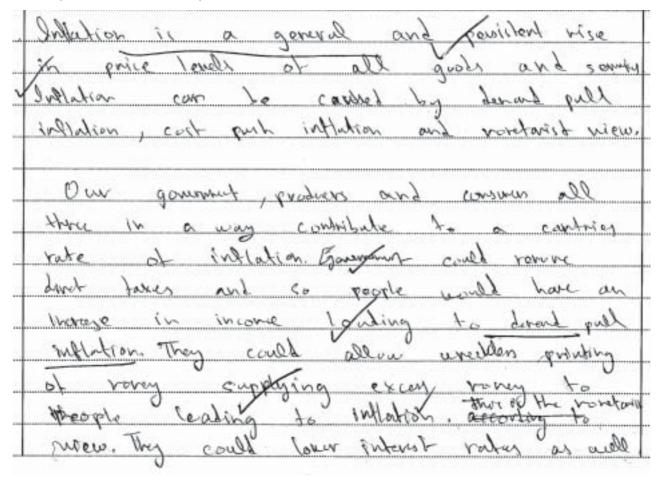
This answer provides a good definition of inflation which gains credit. There is also a strong analytical framework based upon demand-pull, cost-push and monetary explanations of inflation. These gain full marks as per the mark scheme. There is also an analysis provided of the relative influence of consumers, producers and the government linked to these explanations. The candidate also concludes that it is the interaction of all three agents that causes inflation. This is an acceptable conclusion at this level.

b) Inflation means the continues Therease in the price levels of
goods and services in the Vermany over time. There're three
causes of inflation: demand pull inflation, cost push inflation,
Word money supply inflation.
Demand pull inflation is when the total demand of goods and
services Therease on lot, the pricelest goods and services Thursase
and then, it cause the demand pull inflation. It is the
behavioury of consumer to cause Tuflation. The Inflation will
cause the user of living Thureaux and the living standard
decrease of people. Also, the unempolyment will increase. The
government will using laws quel as indirect good taxes on goods.
especially the gords will melastic demand and elastic supply, then

purple people will pay more tax and the consumption will decrease.
and the demand of goods and services will decrease.
Court push inflating is when the edge of production of
a good or gervice is very high, these the products will Thursaye
the price to goin more profit. Then It will cause the court push
Inflation. It is the behaviour of producers to cause the inflation.
The Following will high domestic inflation will cause the exports
there expensive and imports more cheaper, then people will prefer
to buy the imports instead of local produced goods. The local
companies may fait to so colve this situation, the government
will give a substidy to producers to encourage the production.
and ming the The the cost will decrease and the price will
deveage, the inflation will reduce.
Money 44 Tophy is the government given money to the consumor
to encourage the consumption. It will cause the demand of
goods and services murease and the prices increase. Then it will
lead to the inflation. It is the behaviour of the government to
cause the inflation. The high domentic inflation will cause
the exports less competitive, then the demand for exports
devreage and the demand for imports increase, it might
lead to a balance of payment defruit for the country. Then
the government will take some actions to deal with balance of
payment defirst and the inflation. The government may use
the expensione curtching poling to reduce the toop activit that/is
Guithoch Guitch the expenditure on Triports to the local produc
companies. 7
Overall, I think the behaviours of producencurers.
producers and governments will att cause the Inflation.
143+3 lacks focus 10 ((0))

The candidate starts with a definition of inflation. This gains some credit. The answer then lists and gives a brief explanation of demand-pull, cost-push and monetary explanations of inflation. Each is generally satisfactory, although lacking in depth and reference to economic frameworks. These gain credit, but the main weakness of the answer is the limited focus on the behaviour of producers, consumers and governments. This means that a full discussion of which is most likely to cause inflation is not provided and this leads to the very weak conclusion and a disappointing mark.

Mark awarded = 7 out of 12



If the o	and starts encoungly borrowing
and landing	at veney from bonds that will
inchara Jan	and pull inflation. Totalized torres could
	I ar burned leading to cost pub
jullalius.	
Freeding	could concourage inflation it they
chart w	my capital interior rethols auditich
1 Nin	eal to sonowho yout.
	(Production possibility come)
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	unerplay not vate.
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chewity	How the value of inflation and
May pelgrand	- reactive.
II gradu	us chart giving up and stop produity
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19000	,
dipubliana)	resident the contraction of the
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Consum	should give more impartance to bomo
produced one	۵, ه
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bugners ong	government do cause introduction but my
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of more) has to be controlled.

when trade views interfere Home leading to	
guin haxirum prolit coal also crete idlation.	E
[+2+1+]	5
Torcher manusber of revenant ideas but bes not develop here.	
	T)
	1

This candidate is aware of how the government might cause inflation, but this is presented as a few isolated points and is not developed within a conceptual framework. Similarly, reference is made to producers and consumers, but without the conceptual framework, the candidate is unable to develop the answer to gain a good mark.

Mark awarded = 5 out of 12

Paper 4

Emerging economies and the way out of a recession

During the recession of 2009 several economists forecast that some emerging (fast developing) economies would perform better than the developed economies. One indicator of this, they said, was the strength of the exchange rate of the currency of some emerging economies against the US dollar. For example, between November 2008 and July 2009, the Brazilian currency rose 11.4% against the dollar and the Indonesian currency rose 10.2%. Another indicator was the forecast growth rate in GDP as shown in Table 1.

Table 1: Forecast growth rate in GDP for selected countries

Forecast Gro	wth Rate in	GDP	
	2009 %	2010 %	
US	-2.7	+1.4	
UK	-3.5	+0.3	
Germany	-4.3	+0.3	
Japan	-6.5	+0.4	
Hong Kong	-5.9	-0.3	
China	+6.0	+7.0	
Singapore	-7.5	+1.9	
Brazil	-1.5	+2.7	
Columbia	-1.0	+1.5	
India	+5.0	+6.4	
Indonesia	-1.3	+0.6	

Emerging economies are often dependent on exports to achieve an increase in GDP. Some economists suggested that it would be better for their economic growth if these countries were to concentrate on domestic demand rather than exports.

China, in particular, they said could lead the world out of the recession if it relied increasingly on domestic demand. Indeed, the Chinese government encouraged a shift from export-led industries to programmes aimed at improving the Chinese infrastructure in order to create jobs and thus increase consumption of Chinese goods. Banks were encouraged to make borrowing easier in order to create more credit for consumers and businesses. The government started a massive fiscal stimulus and increased its forecast of GDP to a growth rate of 8.3% in 2009 and 10.9% for 2010 (previous forecast figures were 6.0% and 7.0% as in Table 1).

However, other economists do not accept that there should be an emphasis on domestic demand. They argue that trading links are the strongest evidence of the emerging economies' ability to grow. They state 'no emerging market that adopted an export-led growth model has subsequently needed to break away from it — including China'. China's exports as a percentage of GDP are 32% compared with only 13% for the US. Smaller Asian countries are even more dependent on exports; Singapore's ratio of exports to GDP is 234%, Hong Kong's is 169%. It will be difficult for economies such as these to increase domestic demand and reduce their dependence on export-led growth.

(Source: Financial Times: June 12 2009. Table source: Economist p105 April 18-24 2009)

Question 1(a)

Explain what is meant by GDP.

[3]

Mark scheme

The Gross Domestic Product (GDP) measures the value of economic activity within a country. Strictly defined, GDP is the sum of the market values, or prices, of all final goods and services produced in an economy during a period of time.

[3] (For stating Gross Domestic Product 1 mark only)

Example candidate response

Qia	@ GIDP
1	- stands for cross doprestic product.
	- stands for cross donnestic product It is the monotory value of all the goods and
	services producted without the geographical limits of
	a country in one gear.
	Cross National Product = GIPP + net vicome from abroad
	⇒ GIDP = GINP- net & income from abroad.

Examiner comment

This candidate had an understanding of the meaning of GDP, and stated that it was for a given time period and expressed as a monetary value.

Mark awarded = 3 out of 3

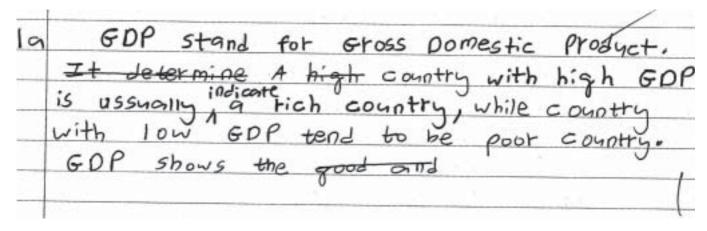
Example candidate response

unbers		-
(0)	GDP is the total value of goods and services produced by the factors of production	•
101/	in the country. It is soid to be the national income of a country. Gross domestic	2
	product is the summation of consumption, investments, government spending, and net	
	exports (GDP=C+I+G+(X-M))	

Examiner comment

This candidate gave an explanation of GDP but omitted to state it was for a given period.

Mark awarded = 2 out of 3



Examiner comment

This candidate gave a poor explanation which did not include any reference to monetary value nor to a time period.

Mark awarded = 1 out of 3

Question 1(b)

The article says that banks were encouraged to make borrowing easier.

Explain what this might mean and why the government might have thought this was necessary.

[3]

Mark scheme

It means more available credit, easier to get; or credit at lower interest rates. This would be likely to increase national income by the multiplier process. (A descriptive reference to the process is sufficient; there is no need to use the actual term)

[3]

Example candidate response

P)	The statement means that the banks would allow individuals 4 and firms to borrow	
117	money more easily by lowering the interest rate. This would allow more credit for	2
	consumers and businesses and hence increase domestic consumption and investment. Since	
	consumption and investment are components of the GDP, the GDP would thus increase,	
	indicating economic growth.	-

Examiner comment

This candidate clearly explained the meaning of the phrase and the reason why easier borrowing might be necessary to stimulate economic growth.

Mark awarded = 3 out of 3

(b) A in a period of recession, the consumption level goes
down. More of saving straget is being done ! As they
are in a period of recession, unemployment if high.
So by ancouraging borrowing from bank, will had to
investment in the country where amployment will increase,
whon the employment will increase then they there will
be more consumption. Thus little by little it will be
the vacy out of recession

Examiner comment

This candidate attempted to answer the question but the answer did not direct itself explicitly to the phrase which should have been explained. Instead the answer began by describing what happens to consumption in a recession.

Mark awarded = 1 out of 3

Example candidate response

*****	4λ./	
b.,.	In order to create more credit for consumers and	
	business Thus the government Started a mussive	
	Fiscus stimulus and increased its forecast of GDP	
	to a growth rout of 8:3 % in 2009 and 10:9%	
	For 2010 when means with the bank borrowing	
	there had been a married increased of 2.6% in	6
	The GDP.	Ų

Examiner comment

This candidate mentioned credit but did not answer the question about what the phrase meant nor why the government might wish to increase credit.

Mark awarded = 0 out of 3

Question 1(c)

Is there enough evidence in the article to support the view that there has been an improvement in the economic situation of emerging economies? [6]

Mark scheme

Use the figures for specific exchange rates, and figures for GDP – expect to see examples of emerging/developing countries compared with developed countries. But they are only selected countries, and for only two years and they are projections not actual figures. Exchange rate figures may mean exports become more difficult to sell.

[6] [Maximum 4 for one side of the argument only]

Example candidate response

4	The table & shows fulure growth rate in GDP
	of different - countries, in which all the emerging
	economies have increase in these GIP Also the
	article says that - the exchange rates of emerging
	economies increased with respect to BUS.
	However, vicease in ODP doesnot show that-
	The economic situation has become better. Due
	To .
	- population = a greater rise in population wan GOP
	means that economic situation is workening.
	- inflation = Rise in GOP may have caused demand
	pull inflation of the rate of inflation is high.
	- Quality of life = vicease in GDP doesnot tell w
	about the quality of life.
	- unemployment may have unreased due to nice
20	there is emdence not enflicient emdence to
SHA	port the new that there has been an implov-
3-4	ut in economic cituation of developing economics
eme	m or scounic comment of
	

Examiner comment

This candidate used the information in the article to illustrate an improvement in the economic situation of the countries but also suggested reasons why this information was not sufficient to draw a definitive conclusion.

Mark awarded = 4 out of 6

No, there is no	t enough	evidence. H	is stated	that emp	rging ea	nomies	are often
CAN ELIBERTE A	1 DODOLL C	TO achieve o	in increase	IN GDP	but on	Dimrt	C. Indian
Is given. Bes	ides, excha painst the	nge rate for	e of the	currency	for other	emery of Bro	ing and
Indonesian cu	mency give	n, on e indic	ator was	not enou	gh to show	N an	improvement.
					2		

Examiner comment

This candidate mentioned that emerging countries are often dependent on export-led growth and did suggest that the information about this was not sufficient to indicate whether there had been an improvement in their economic situation. However, there was no mention of other indicators which might prove useful, nor much mention of other information in the article.

Mark awarded = 2 out of 6

Example candidate response

(c)	No. There was no evidence shown on the rate of inflation of early each						
	country. An increase in inflation will lead to an increase in prices of goods						
	and services. Inflation will tend to increase the GDP of a country. A						
	country will high inflation such as Japan will show a faster growth rate						
	in GDP compared to a country with lower inflation rate such as indonesia						
	there was also no evidence shown on the balance of payment of each						
	country. Some countries rely on expons for economic growth while some						
	very on domestic demand. The balance of payment of a country will	Ī					
	show the veriability of exports in order to allow economic growth.						
	There was also insufficient evident to show on the exchange rate.						
	GDP is concurated in the currency of its own country. The value of						
	exchange rate fluctuates from day to day. Therefore, the value of the						
	GDP of each currency in a currency may be inaccurate.	T					

Examiner comment

This candidate wrote about the level of inflation and the balance of payments. Although these two indicators might be used to consider whether there was an improvement in the economic situation of a country they were not relevant to the article given in the question which did not contain any statistics for these indicators.

Mark awarded = 1 out of 6

Question 1(d)

Identify the two policy approaches suggested by economists in the article and discuss whether there is a conflict between them. [8]

Mark scheme

An increase in domestic demand to encourage growth and export-led growth.

2 marks

Conflict? Different approaches but same aim of growth

2 marks

4 marks

4 marks

6 mand will also increase injections and help increase GDP. No conflict.

2 marks

2 marks

2 marks

2 marks

2 marks

2 marks

3 marks

6 marks

d) The first arises appeared suggested by appropriate is assuth by increased demostic demand

[A general description of fiscal and monetary policy; 2 maximum]

at the Hist bound aspectly and distance and consumers to Chamber of increasing promising	4
which was utilised in China in order to improve Chinese infrastructure and create jobs. Anus	
increosing the consumption of goods. The second policy suggested is the growth by	
exports. They state that developed economies emerging economies such as Hong Kong	
and Singapore have an extremely high ratio of exports to GDP and are heavilly	
rely heavily on exports to achieve economic growth.	-
A conflict exists between these two growth-achieving policies. If an economy were	
to adopt a domestic demand based policy it would have to impose protectionism	
measures to prevent imports from competing with the sale of domestic goods. This could	
potentially reduce future international competitiveness of that country if the domestic firms	
take advantage by hiding behind these measures and not expand. Conversely, a country	
that relies heavily on exports to grow can face a shortage in the domestic market if	
exports are exported excessively Furthermore, the revenue generated by these goods	
depends on the dosticity demand elasticity of the goods.	
However, the conflicts between the two policies can be nullified if a government	
strikes the right balance between the two policies. It is possible to export in large (1
quantities yet be able to provide enough protectionism to allow local industries to expand	
and become a competitor in the international market in the future.	

This candidate identified the two policies mentioned in the article as the need to support an increase in domestic demand or the need to support export-led growth. The answer was then directed to the second part of the question which asked whether there was a conflict between the two aims. Although there was a statement in the last paragraph which refers to a way to lessen any conflict, the answer could have been improved by further comment on the possible similarities between the two policies.

Mark awarded = 6 out of 8

Example candidate response

-	// expansionary
0	Two policy are fiscal policy and monetary policy of contractionary fisca
	policy is used . tax will be reduced but increase in government spending.
	while contractionary monetary policy is lower down interest rate and
	incuence in money supply. If countries were to doncentrate on
	domentiz demand inther than exports, then expansionary
	finear power will help to increase domentiz dephand because
	a lower tax means people will have more dispossable income to spend,
	thun aggregate demand will be higher while countries to concentrate
	move on trading links, can be inevended by expansionary monetary
	policy, because lower interest bute people will tend to apend move
1	thus thus appreciate demand higher. An increase in money supply
1	will lend to a drop in exchange inte of amency, export
	will increase. No confirst between them, nince income reduce in tax
_	and tolerent mee will help both achieve domentic demand and
1	rading links.
T	24

Examiner comment

This candidate's main emphasis was to say that the two policies were fiscal and monetary policy rather than that which is in the article which are a decision to concentrate on domestic demand or on export-led growth. However, the answer did try to relate fiscal and monetary policy to domestic demand and export-led growth so there was some relevant material in the answer.

Mark awarded = 3 out of 8

(d)	The bolicy approaches suggested by economists are expansionary monetary
	policy and contractionary monetary policy. During recession, expansionary
	monetary policy +0 will cause a decrease in interest rates. This will cause and
	inevense in investment, economic activity will increase, unemployment will
	decrease which lead to an increase in price where inflation occur.
	decrease in cost of borrowing which allow income of consumers to increase.
	when income increases, aggregate demand will increase leading to an
	increase in price. This will cause inflation. During inflation, contractionary
	monetary policy will increase interest rates. An increase in interest rates
	will cause an increase in cost of borrowing which allow income of
	consumers to fall. This will cause aggregate demand to fall leading a
	decrease in price. When prices of goods and services decrease, economic
	activity will fall which leads to unemployment. In expansionary monetary
	policy, unemployment is cured, however it leads to inflation. In
	contractionary monetary policy, we inflation is cured, nowever it leads to
	unemployment. Therefore, there is a conflict between the two policies,
	The street was the street with the street was the street with the street was the street with the street was the

Examiner comment

This candidate wrote about contractionary and expansionary monetary policy. The answer bore little relation to the information in the article which considered the wisdom of supporting an increase in domestic demand against an increase in export-led growth.

Mark awarded = 1 out of 8

Question 2

The use of cars causes market failure. To achieve an efficient use of resources it would be better if governments intervened to affect both the production and the use of cars.

Explain the meaning of the terms 'market failure' and 'the efficient use of resources' and analyse whether economic theory can be used to support this argument. [25]

Mark scheme

Candidates need to explain the two terms, market failure and the meaning of the efficient use of resources, and then consider the argument. Market failure can be explained by reference to possible excessive profits, the need for very large investments, the existence of externalities and of merit goods, and of the need for public goods. Economic efficiency should be explained in terms of productive and allocative efficiency.

Government intervention can be through regulation, taxation or subsidies.

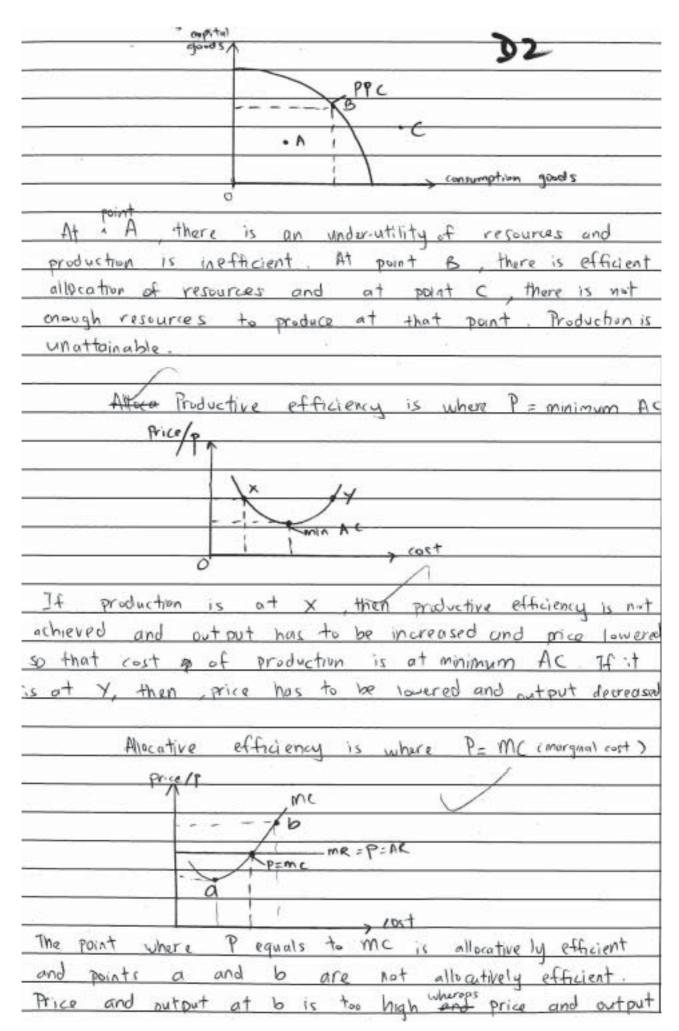
There are negative and positive externalities from car use. Negative externalities include pollution. Positive externalities include less crowded public transport with greater comfort; benefits from the expenditure of the tax receipts. Unlike other positive externalities where subsidies have been used, it has never been suggested that subsidies ought to be used to increase the positive externalities from private car use. Any subsidies given are used to make alternative public transport more attractive. However, taxes have been used to decrease negative externalities. Taxing the use of cars is usually presented in the context of negative externalities to achieve allocative efficiency. Taxing production might not result in productive efficiency.

- L4 For a thorough explanation of both efficiency and market failure and a competent discussion of the role of the government in promoting efficiency overcoming market failure. A reasoned conclusion should be presented [18–25]
- L3 For a competent explanation with either a more limited comment on both efficiency and market failure (perhaps concentrating on productive efficiency) or a full explanation of one but little comment on the other. The role of the government will be discussed in a more limited way but a conclusion should still be presented.

 [14–17]

 (L3 maximum if there is no mention of production and use of cars)
- L2 For an undeveloped explanation of efficiency/market failure with very little discussion of the role of the government. Mention of the government will be descriptive rather than in the form of a discussion related to efficiency/market failure. It is likely there will be no conclusion. [10–13]
- L1 For an answer which shows some knowledge but does not indicate that the question has been fully grasped, or where the answer contains irrelevancies and errors of theory. [1–9]

2	Cars are modern means of transport and it is
	inevitable that everyone relies on it to travel from one
	Place to another. However production and usage of cors
	may not be beneficial to the whole economy as it
	rauses pollution and depletion of natural resources. There will
- 1	be market failure and inefficient allocation of resources.
	Market failure refers to an mefficient allocation of
4	resources where there exists negative externalities, under-
	provision of ment goods , non provision of public goods and even imperfect markets. Negative externations include
	air pollution and traffic jam . Under provision of merit
	goods exist due to book of information while public goods
	are not provided because of free older problem. Free rider
	problem means a situation where Asbedy everybody is waiting
	for somebody to produce a public good for the benefit of
	the whole economy. Imperfect markets are markets which
	do not produce at allocative and productive efficient points
	Efficient allocation of resources include allocative
-	efficiency and productive efficiency. Allocative efficiency
-	occurs when price equals marginal cost which means po
-	there is production of goods and services according to
-	demand and supply of the economy: Productive efficiency
	occurs when price equals to minimum average cost where
_	production takes place at its lowest cost. In other
u e	words, efficient allocation of resources refers to an economy
	Producing at its production possibility ture curve (PPC)
	and the three economic problems of for whom to produce,
T	how to produce and what to produce have been solve.



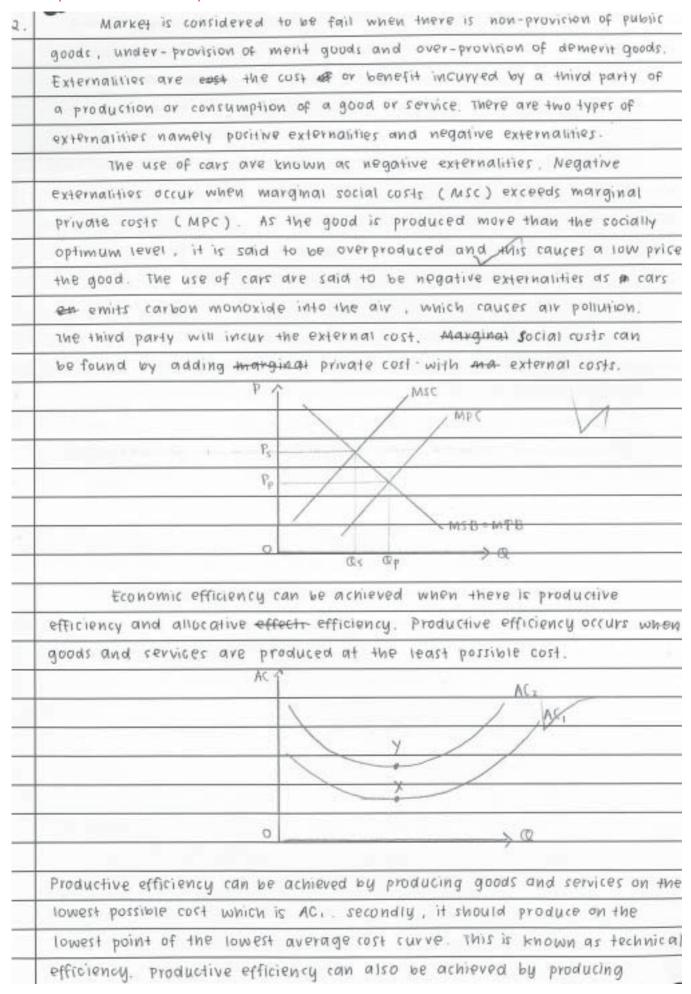
at a is too low However, amording to principle of Pareto optimulity Pareto efficiency states that when someone is botter he worse off. For example enjoy more goods . All will be worse off than Therefore government intervention may achieve y allocation of resources government intervention in production and etc. use of cars include regulation. er taxes government intervenes so that pollution coused by Methods is reduced tax · For example include imposing road Malaysian government trave howe of road in creased the amount taxes and frequent use of discourage tolls trains and other public transports the use of can be reduced. noise pollytion and of negotive externality SS after tax 022 ad diagram above when roud taxes exist, the as cost of using cars have increased. car will decrease quantity of cars on the road will and cost of using ears increase However government intervention dead weight loss as shown chaded in potential wplfane 1022 loss are

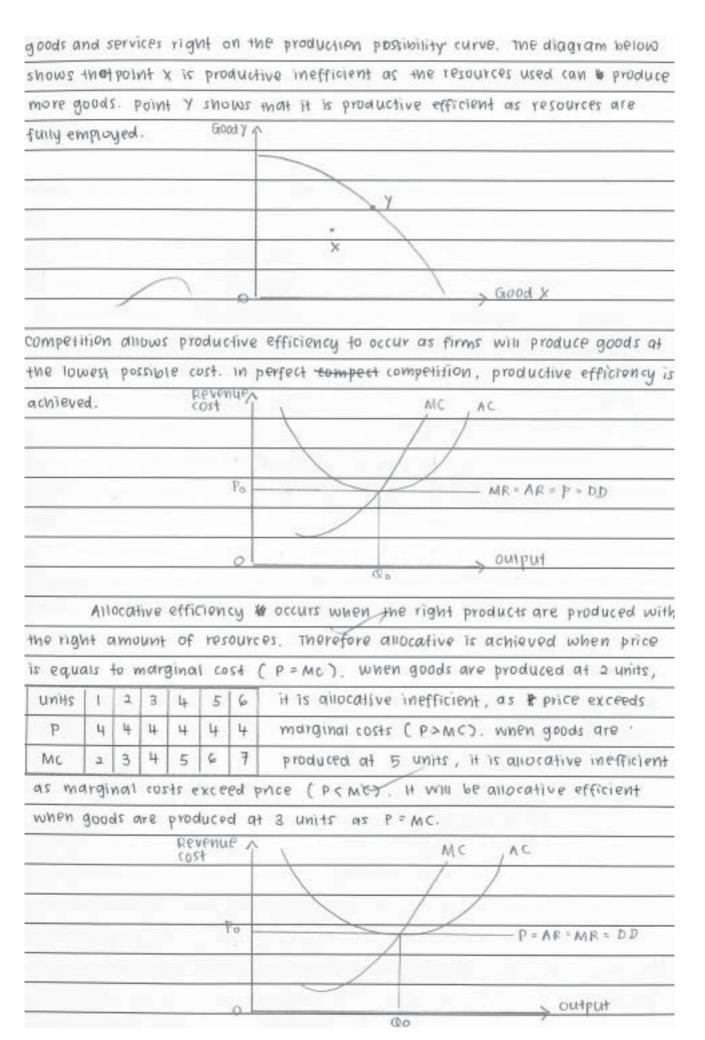
The opprenment should also intervene so that there is explicitation of natural resources in production of cars. ensure that that would the current and generations are able to ronsume enough me sets regulations in production of firms which obtain approval and licences government are able to produce cars. For example the government of malaysia only issue licences to for production of cars. However Proton couse imperfect market structure where only two large firms are involved production M Otigopoly market will exict and stopply market will consumer Welfare may be compromised due to exist and high prices and law output of a ducpoly firm. The workings of the invisible hand - price mechanism will also be affected. Bosides , the government intervenes so that quality cors produced high and ore consumers are not because consumers usually lock complete when buying cars so the government monitors the cars by carrying spot checks in car factories. appernment also made it compulsory for car test runs before launching the product so that money spent on buying cors are worth it. Malaycian government sends officers to do spot chacks in car many factories so that there Production of cars are Smooth and used in production. However may be loopholes and transparency enforcement efficers do not carry out the Properly conclusion, government intervention failure. trap it does roduce market However will allocation of resources that there

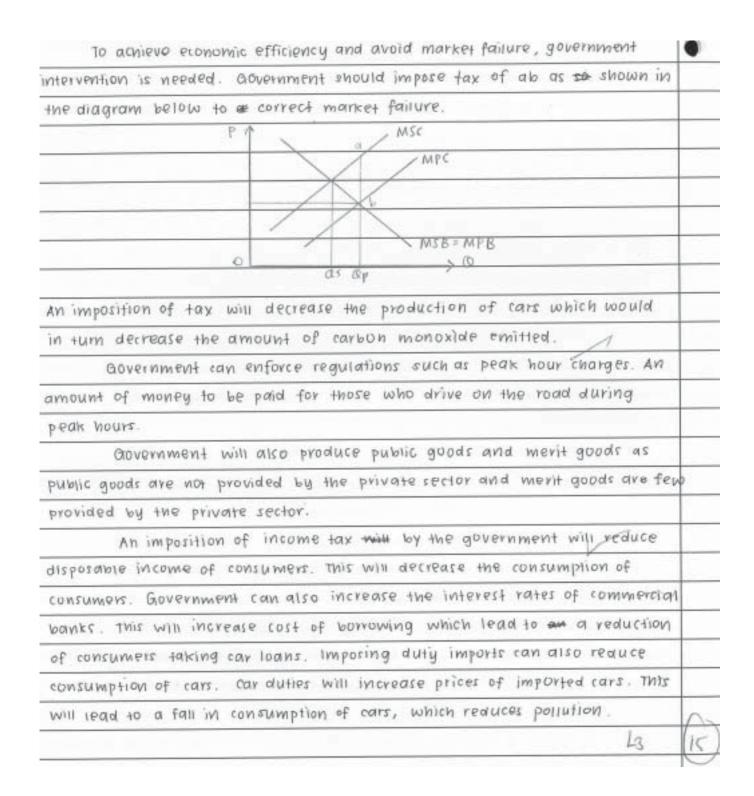
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above	is	at	coteris	paribus	and	in	reality	gove	mment	Gii
Intern	pention	۱ς	a ky	paribus ch more	com	plex	process.			_
-14			/							_
								-	1	100
									4	120

This candidate gave a good answer which referred to both the analytical theory of market failure and to the application required in the question relating to cars. A reasoned conclusion was presented. The answer fell within the band 18–20 in the general comments at the start of the mark scheme.

Mark awarded = 20 out of 25







This candidate had a reasoned account of market failure in terms of public goods, merit goods and externalities. There was also an explanation of productive and allocative efficiency. The weakness of this answer was that there was little on the role of government intervention and even less on the application to cars. Both government intervention and an application to cars were required by the question.

Mark awarded = 15 out of 25

Question 3

- (a) Discuss whether demand schedules and budget line diagrams are similar in the way they represent the effect of
 - (i) a rise in the price of a good
 - (ii) a rise in a consumer's income.

[12]

(b) Analyse what is meant by the equi-marginal principle of consumer demand and whether it can be linked to the derivation of a market demand curve. [13]

Mark scheme

(a) A rise in the price of a good: a demand schedule has price and quantity of one good bought against price; budget line diagrams have quantities of two goods – price is not on the axis; one cannot tell how demand will change with budget line unless you also show preference lines.

A rise in a consumer's income: similarity, both move parallel out for a rise in income; but cannot tell what will be bought unless have supply line – with demand – or preference lines with budget line.

[12]

L4 For a sound discussion indicating the similarities/differences

[9-12]

L3 For an accurate explanation but with a less clear comparison

[7-8]

L2 For a general undeveloped explanation with little comparison.

[5-6]

- L1 For an answer which has some basic correct facts but includes irrelevancies and errors of theory [1–4]
- (b) Analysis of equi-marginal principle which underlies an individual demand curve. The sum of individual demand curves form the market demand curve. Whether individual utilities can be added is debatable. [13]
 - L4 For a reasoned discussion linked to more than one good and clearly structured answer with a conclusion [9–13]

[Low L4 maximum if there is no mention of market demand]

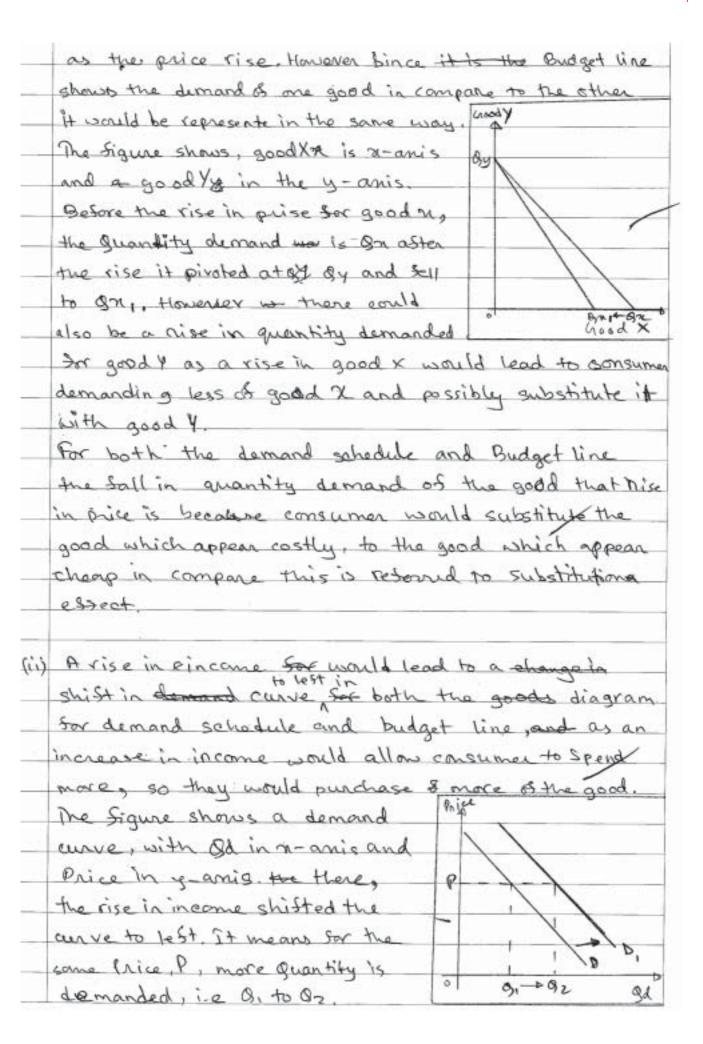
L3 For a fair discussion but undeveloped answer but still with a conclusion

[7-8]

- L2 For a limited attempt which does not clearly determine the equilibrium position for more than one good and no conclusion. [5–6]
- L1 For an answer which has some basic correct facts but includes irrelevancies. Errors of theory or omissions of analysis will be substantial.

 [1-4]

30	1		-					
崩	Demanded schedule is the graph	rical representation of						
	changes in quantities that consumers would demand or would							
2/	want to punchase and at differe	ent prices at a contain	_					
	period of time. It is valed used &	sion my only good to	-					
	represent the demand for only on	u good.	_					
	Budget line is the graphical res	presentation of wither	eri					
	combinations of go two goods the	hat consumer with cany	/					
	purchase with their Sixed in come. It As consumer wants							
	are restricted to be full filled by the income they earn							
	and the price of product, it is important to produce							
	a budget line as in to show how two goods, will be							
	in what combination, will be pu	inchased.						
ť)	(i): A rise in price of product Schedule lead to chan a change the curve. As the price rises	ge in quantity along	in.					
		COVES ATTRECTS INCIDENT	Z					
	the good less as than before.	4						
	As in Sigure on the right, show	Price						
-	the demand schedule from for	1						
	a seed with Alicentity domander	0						
_	a good, with quantity demanded		-					
_	in the n-arcis and price in	1 1 1						
	in the n-axis and price in the y-axis. It is shown that	0 9,4 9	-1 QJ					
	in the n-axis and price in the y-anis. It is shown that a hise in Price from P to P,		94					
	in the n-axis and price in the y-axis. It is shown that		98					
	in the n-axis and price in the y-anis. It is shown that a hise in Price from P to P,	we ser Budget line as	98					



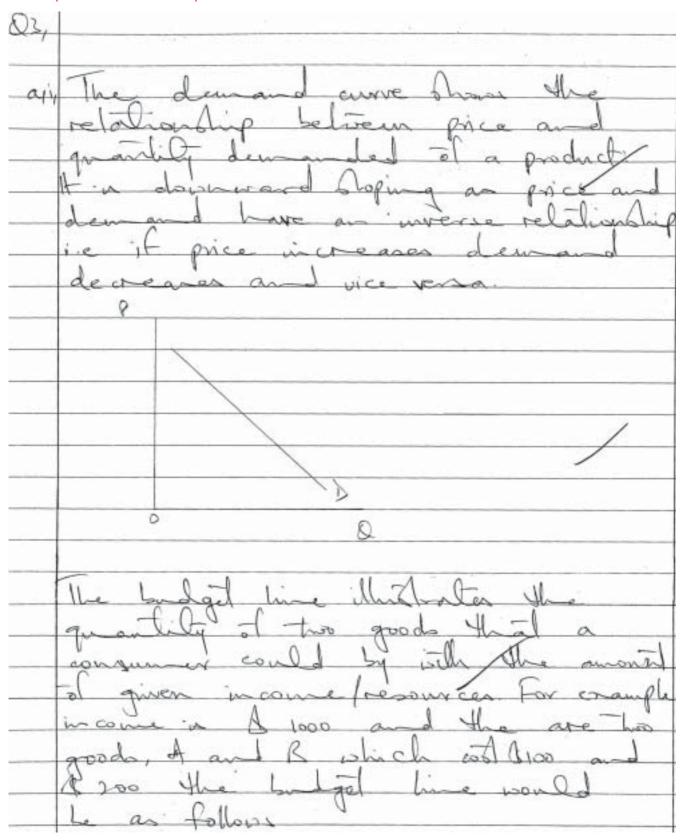
Similarly in the case of Budget line the curve
shifts to left meaning that
bot con both the Good can be gy
quachased more than before
without sacrisicing the other as
there is an increase in Income.
In the dia figure is budget
line it is shown by an increase sx show here
in gd of the good, ie. By to By and
On to Ox, it rase.
This referes to the income effect for boths the
diagram, as an increase in income leads to Increased
disposable in come Sor the consumers.
a D
Consumors derives a happiness or satisfactory when they
consume a par good, it is heterweed to the
Utility of a goo consuming a good Marginal
Utility is the satisfaction derived from the
consumption of extra one whit of the good.
However, this Hit Marginal Utility Lends to Salt
as consumer consumption increases. Missis
known as diminishing marginal utility. As cons
- umers are earn sixed income, they would want
to utilitie the income in a way that will
maximise the Utility derived from all the
goods consumed with that income income.
They It is the equimarginal principle of cone
-uner de mand, as they and is represented as,
MUD - MUD - MUZ - MUN
MUA - MUB - MUN - MUN - MUN - PN
My is the Marginal Utility, P is the Price and
A.B. C N is are the disserent goods punches

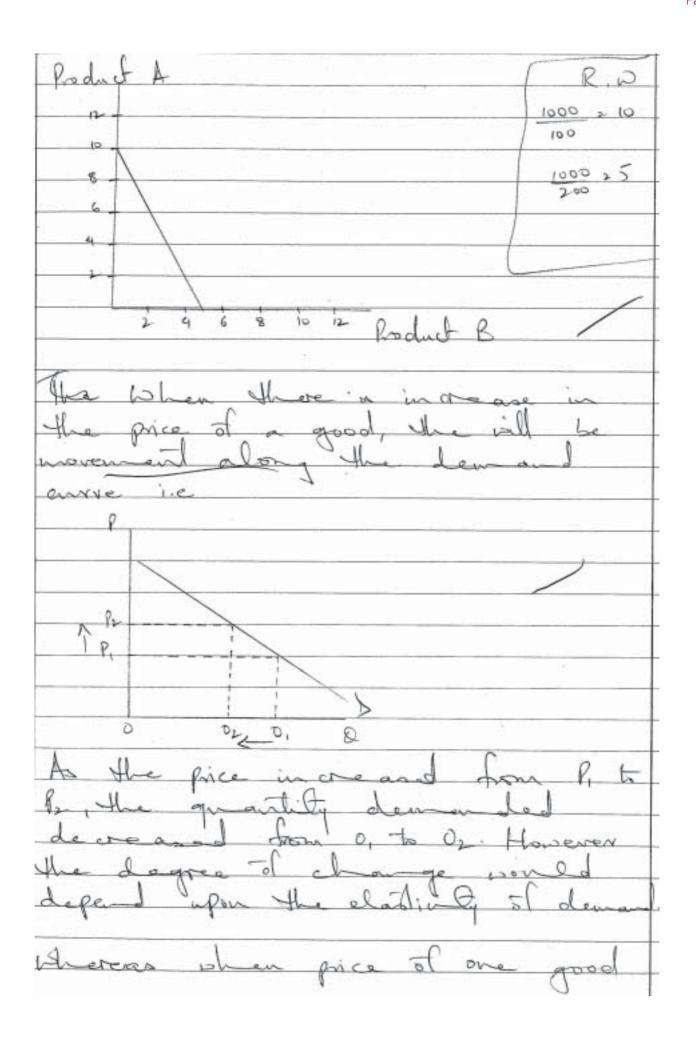
the Sinad incare. It This showsthat the Utility derived from an compare to its evice This principle can be used to derive the as to aincrease rice lead However, consumer UCMarginal white Utility) principal is , of consumer demand can be used by analysing demand

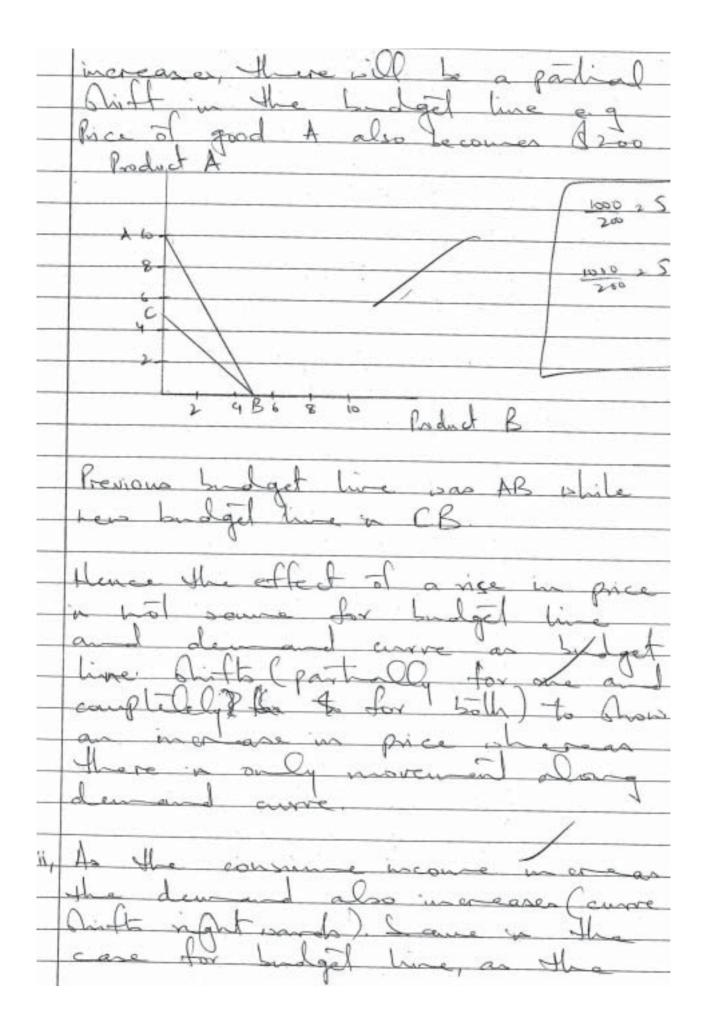
Examiner comment

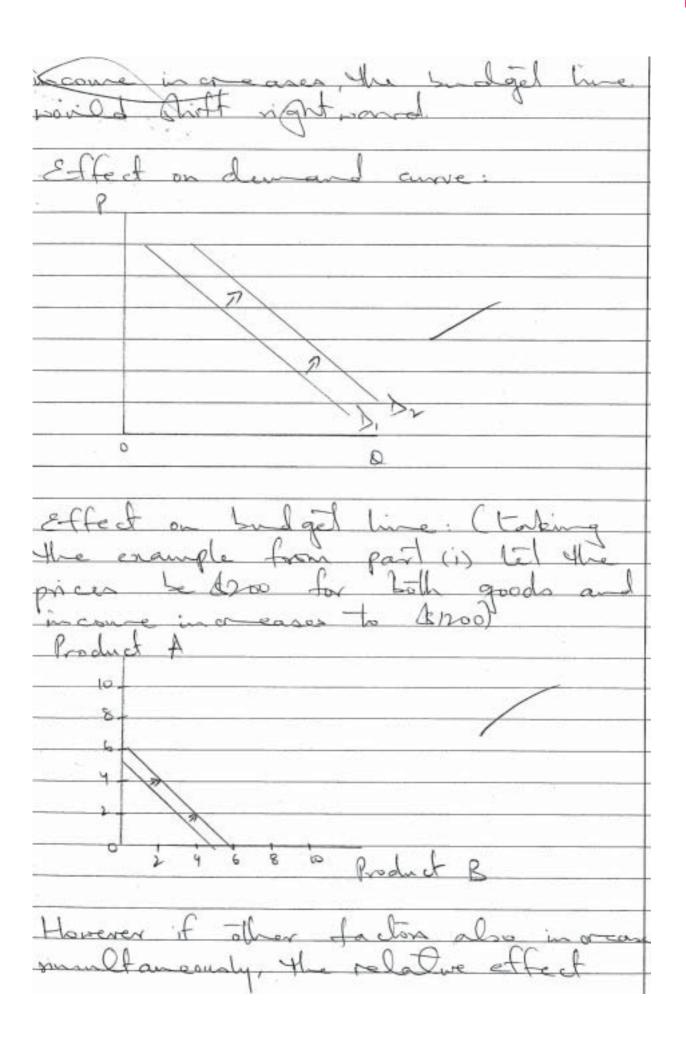
In section a) this candidate gave a clear explanation of both a demand line and a budget line. Changes in price were demonstrated correctly on both types of curve with a clear comparison. Income changes were correctly shown as indicating a similar movement on both types of curve. In section b) the candidate explained the meaning of the equi-marginal principle and discussed its link to a consumer's demand. The answer could have been improved if the last part of the question which asked about a market demand curve had been more clearly discussed. Mention was made of a market demand curve but the explanation surrounding this was really related to an individual consumer's demand curve.

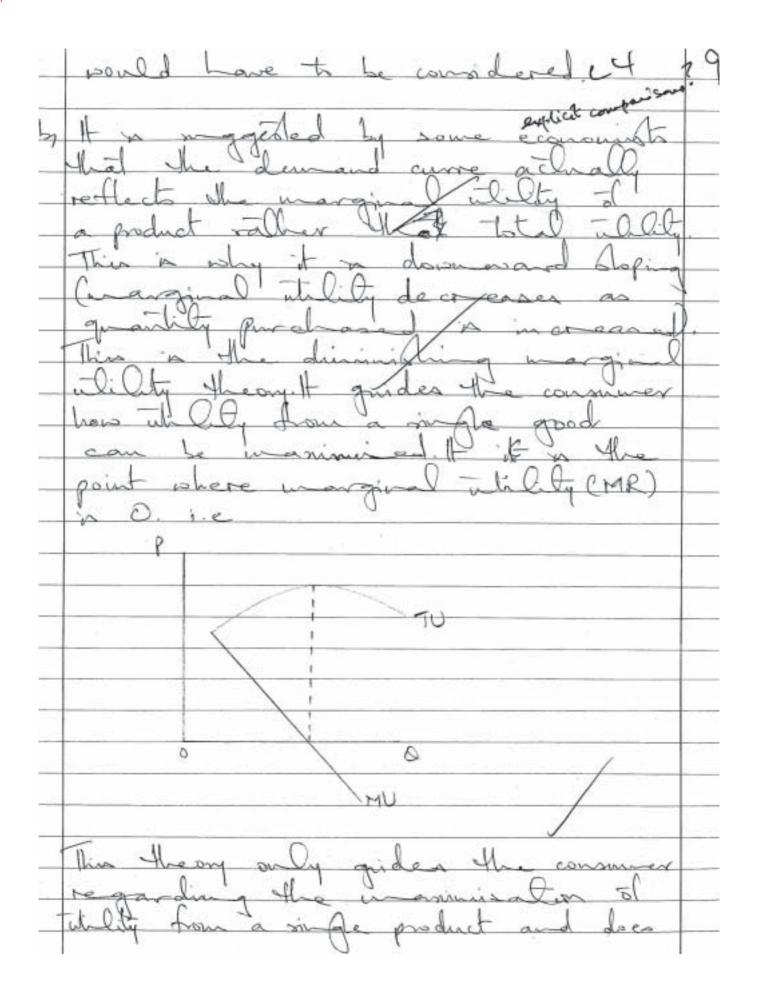
Mark awarded = 22 out of 25

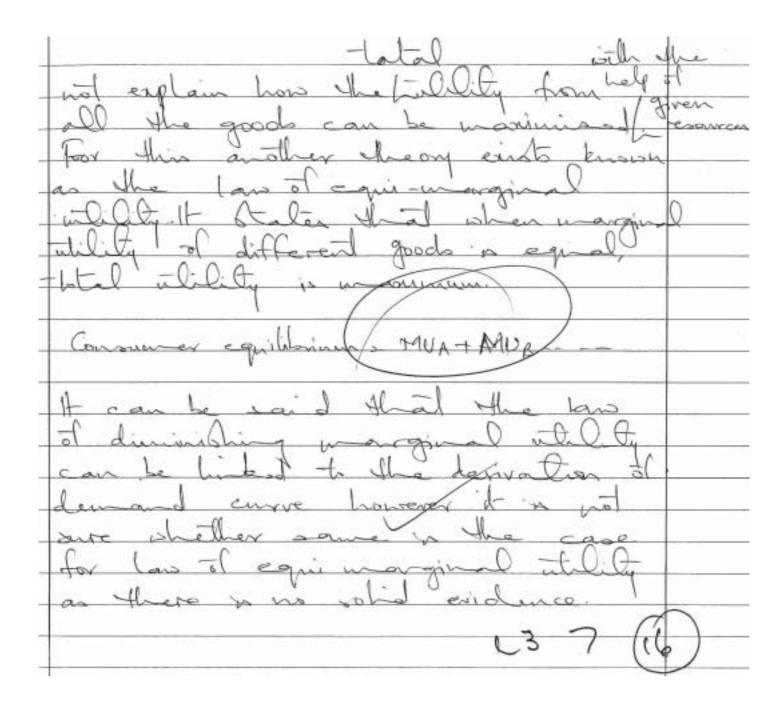












This candidate gave a clear explanation of the meaning of a demand curve and a budget line in section a). For a price change the shift along a demand line and a pivot about a point on one axis for the budget line were indicated. Income changes were shown as a parallel shift in both the demand and budget lines. This section of the answer could have been improved if there had been more of an explicit comparison between the demand curve changes and the budget line changes. The reader was left to conclude which were similar and which were different. Section b) was a weaker section and although marginal utility was discussed the answer did not really explain the principle of equi-marginal utility and its link to a demand curve.

Mark awarded = 16 out of 25

(a). A note of in the price of a good do effects the demand
schedules and andrew langer line dicorrains of From or the
demand curve in the demand graft, it is clear that the demand curve is move downward, which axis-y is price of a good and axis-x it the green quantity. Of demand when the price of a good is increasing the demand with will drop. Because year consumers will
the demand curve is more downard, which axis-y
13 price of a good and axis-x it the great aboutity.
of demand when the price of a good is meneaging
the demand with will drop Because you consumers will
to buy another similar good to see which is lower.
for any another similar good to see which is lower price to replace the the the the or high one with higher
higher prize for example when iterneum's prize incurred,
He consumers willing to eat yourt wathan radher than
Trigher prize for example when iterneum's prize incurased, the consumers willing to eat yogurt wathou radher than ice exeam, which caused ice cream surplus.
the demand schedules and budget line diagrams agit in
the demand schedules and budget like diagrams aget in "
organizate demand it calls income distributions effect.
effect. It is because the income of cunsumer increase,
it gives to consumers the abilities to demand their
needs to especially in the labor force a
Diol.
U e

1)	The leaves of the second care second
(b)	totally different; which demand curre is lased on
=	totally disposery; which demand curve is laste on
	individual demand to but aggregate demand oure is
	aggregation. Demand in the ingulat means of the abilities
	of consumers to buy goods but aggregate demand.
-	miers the total of output in demand.
	The and an about individu of examine Juneal indent
	The equi-marginal principle of consumer demand means
	the equilibrium of the profit of consumer demand, which can be linked to the derivation of a market demand,
	come to the monder to see derivation of a market across,
2	control the The member demand curve in anothe nords
1	Is aggregate demand curve of, and the aggregate demand curve is most moving downward. There
1	and to the form in effect conserve the many ande
	Sement curve more downland equally.
	divides to the provide divivious of the second
	First, the income distribution 13 one of the
	effect of aggregate demand Consumers usually
	is demand according to their income abilities
	compare with the price level . Go secondly,
	is the real balance effect. Third is foreign frading.
	compare with the price level basecondly, is the real balance effect. Third is foreign trading effect, and lastly insestment effect.
	3,6

This candidate gave a descriptive answer which did not contain any diagrams. In section a) the description of the change in the demand line with respect to a price change was reasonable but there was no real explanation of the change in a budget line due to a price change of a good. The changes caused by an increase in income were not explained. In section b) although there was a reference to the fact that the market demand was an aggregate, there was no explanation of the equi-marginal utility principle of consumer demand.

Mark awarded = 7 out of 25

Question 4

- (a) Discuss whether it is always advantageous for a firm to grow in size.
- (b) Explain the economic theory of profit maximisation for a firm and consider whether firms are likely to follow this theory in fixing their price and output. [13]

Mark scheme

- (a) Discussion of possible reasons for growth including large market demand, economies of scale, possible future profits, with a contrasting comment on reasons why it might not be advantageous to grow in size; diseconomies of scale, small market demand, specialised products/services. Allow a wider interpretation which discusses effects on consumers and in the economy.
 - L4 For a sound discussion with contrasting explanations.

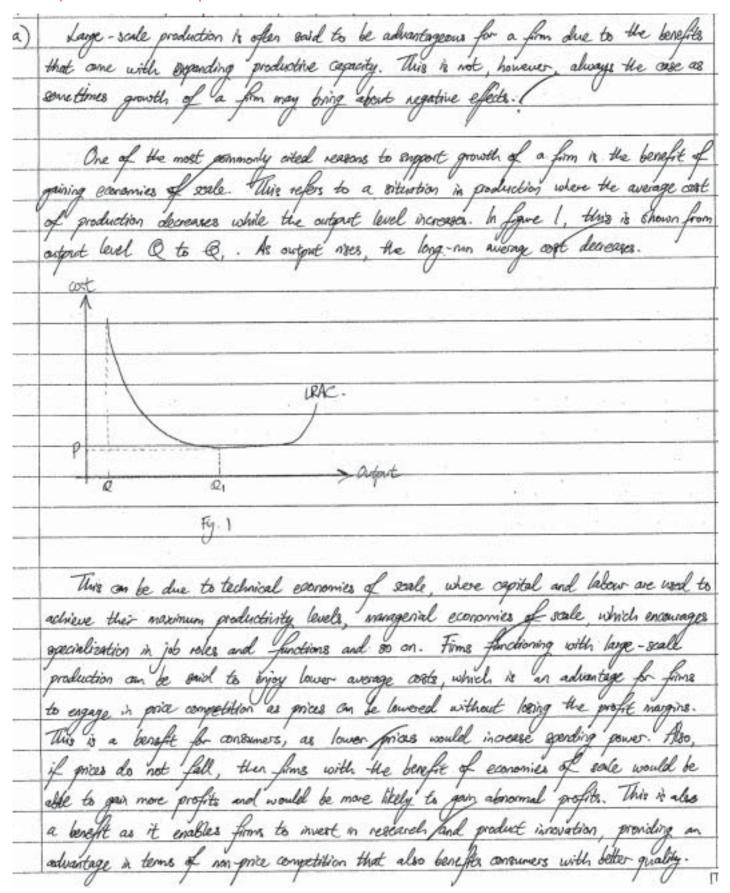
[9-12]

[12]

- L3 For an accurate explanation but with an emphasis on one side possibly of economies of scale only.
 [7–8]
- L2) For a general undeveloped explanation.

15-61

- L1 For an answer which has some basic correct facts but includes irrelevancies and errors of theory
 [1–4]
- (b) Explanation of the theory of profit maximisation. Candidates should then consider not only whether it is possible to calculate marginal revenue and marginal cost to achieve profit maximisation but also whether the firm might have alternative aims. Sales maximisation, behavioural, managerial, satisficing, market share aims might be mentioned. [13]
 - L4 For a reasoned discussion and clearly structured answer with a conclusion [9–13]
 - L3 For a fair discussion but undeveloped answer mentioning either only one part of the question or both parts but only limited mention of alternative aims, but still with a conclusion [7–8]
 - L2 For a limited but acceptable attempt to consider the question with very limited development of either part and no conclusion. [5–6]
 - L1 For an answer which has some basic correct facts but includes irrelevancies. Errors of theory or omissions of analysis will be substantial. [1–4]



Economies of scale can generally be seen as an improvement in terms of efficiency as firms on
are minimized and the use of resources is maximized. In these ways, large-scale production
are minimized and the use of resources is maximized. In these ways, large-scale production may be advantageous and firms' growth would be positive for the market.
However, this is not always the case as output levels above Q, in figure I show
However, this is not always the case as output levels above Q, in figure I show diseconomics of scale as firms find it increasingly difficult to manage production beyond a cartain level. This decreases efficiency and results in wastage of resources.
cortain level. This decreases efficiency and results in wastage of resources.
Also, firms may become monopolies if growth is allowed to continue without exflicient
competition. Monopoly situations an result in consumer exploitation as the lack of adestitute
can course firms to have total market central and raise prices excessively. Monopolies ove
also litely to be inefficient as the lack of conjectition reduces the incentive to minimize
costs in order to maximize profile. Mosopaly extensions can result in a lack of choices for
consumers and this would be seen as undesirable, especially if consumers lose sovereporty
altogether in the market.
Exceptions may occur in the case of natural monopolies, where high out costs and
coully technology or infrastructure may encourage or firm's growth to cater for the more
of the market. This is because it may be better for the allocation of source resources
if infrastructure and apital are not displicated by having many small firms mysely the
if infrastructure and apital are not displicated by having many small fime mysty the
In conclusion, there are advantages to a firm's expansion of productive capacity, but there may also be disadvantages. It is necessary to examine the market and tions is each ostuation and the relevant possible effects should be evaluated before determining how advantageous it would be for a firm to grow in size.
there may also be disadvantages. It is necessary to examine the market and tions in each
struction and the relevant possible effects should be evaluated before determining how
advantageous it would be for a firm to grow in size.
149

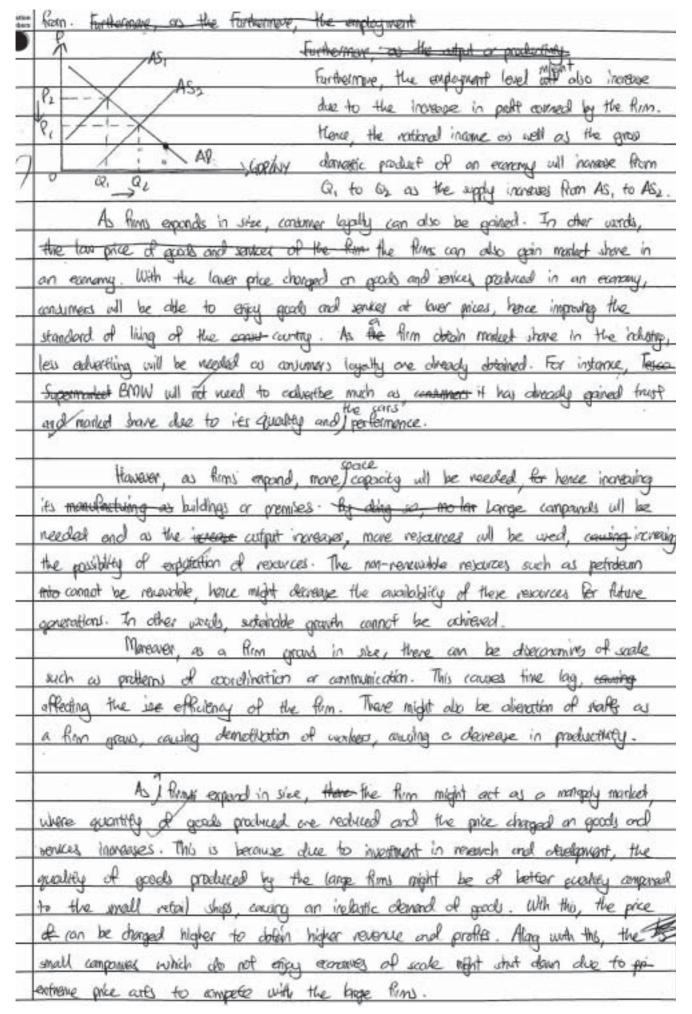
De Remove et et la	100
good or service, obtaining the highest possible profit major. This is of	production of a
good or service, obtaining the highest possible profit mayon. This is of	ten illustrated as
being the most common goal for many private firms. The maximum p	rofits for a firm
are obtained at the point where MC = MR, or where firms' margin	el cost is equal
to the magginal sevenue generated by the extra unit produced. At	this paint firms
are or the warge of making a loss with the next writ of produce	Gon.
Firms are said to aim for profit maximisation in order to gain more	retains for the
entrepreneur or shareholders. Also, in some firms it would be ideal to	gain more profits
in the hopes of earning abnormal profits that an then be reinvested o	or used for research
and development or innovation purposes. This would then increase a	firm's ability to
and development or innovation purposes. This would then increase a compete in a non-price manner and improve the quality of output or	improve the
productivity of april and befor through technological advances an	d trainire.
However, not all form may engage in profit maximization all of to on the circumstances of the form and its position in the morbet and	ta time, depending
on the circumstances of the firm and its position in the market and	industry. Particularly
for firms that have just entered a market, they may choose to making	ce sales instead in
order to more finnly establish their position and cartol of market of	
forme settling for a profit margin below the maximum attainable profit to	and in Levour of
increasing their clientale or consumer base, possibly through setting lower	morine A is
worth noting that firms will ravely go to the point of being walle to	/
	to be the property of the second of the seco
costs in the short man, indicating that in the long-new profit maximis	
all be the most commonly phromed objective for a firm. In the or	
entrant in a market or industry, the firm is less likely to concern assumption if it is a for that is all to discrete it of more soils	
Meximization if it is a firm that is able to diversity and cross only.	
This refer to a firm's ability to enstain losses for the production of	a good or
service due to its preestablished position and higher profit margins for	another good or
service, again indicating that to some extent, profit maximization in like	ely to play a
	<i>U</i>

46)	out in firms' decisions regarding the level of artest and price setting
-	post in firms' decisions againsting the level of output and price acting.
	The marie of a state of the The Contract
	Graph according may also play a rate also beginning. This report to decisions most
	most often by stoff at the managenial level, where where is no incertive to increase
	reserve or profits beyond a predetermined level (usually the minimum returns to the
	Shareholders) as it does not affect the wage rate of the workers involved. In these ones
	adjust and price are likely to be moderately deviating from the profit naximizing point
	Profit satisfierg may also play a role, albeit less fequently. This refers to decisions made anost often by stoff at the managerial level, where there is no incertive to increase revenue or profits beyond a predetermined level (usually the minimum returns to the shareholders) as it does not affect the wage rate of the workers involved. In these cases adjust and price are likely to be maderally deviating from the profit nasumining point of MC:MR.
	In figure 2, MC=MK is shown as the profit-maximizing level of adopt at quantity
ië .	In figure 2, MC=MK is shown as the profit-maximizing level of action at quantity Q and price level P. The soles-maximizing level of action is likely to be close to MC-AR while the profit actioning level is likely to be lower or less than P and Q.
	MC = AR whole the profit actioning label is littly to be lower or less than P and Q.
	Pie / Cet
-	↑ MC
_	
-116	
	P
	MR AR
	Ordert .
-	fiy- 2
	The second secon
	The objectues of a firm differ between firms and markets, depending on such faters as competition, showchalders' roles, market conditions and the possition of the firm, but it can be said that a large fraction of firms will emphasize profit maximization at some point if not most often during its operations.
	as competition, shareholders' roles, market conditions and the position of the firm, but
	it can be said that a large fraction of firms will emphasize profit maximisation at
- 1	some point if not most often during its operations.
	(ct 10 (19)

This candidate gave a good response to section a) which contained an explanation of the advantages of growth through economies of scale, the disadvantages caused by diseconomies and the undesirability of some monopolies. Profit maximisation was discussed in section b) but there was also a discussion of alternative aims of a firm including non-price competition, maximisation of sales, increasing market share, cross-subsidisation, satisficing, all of which might need to be balanced against the desire to gain maximum returns for shareholders.

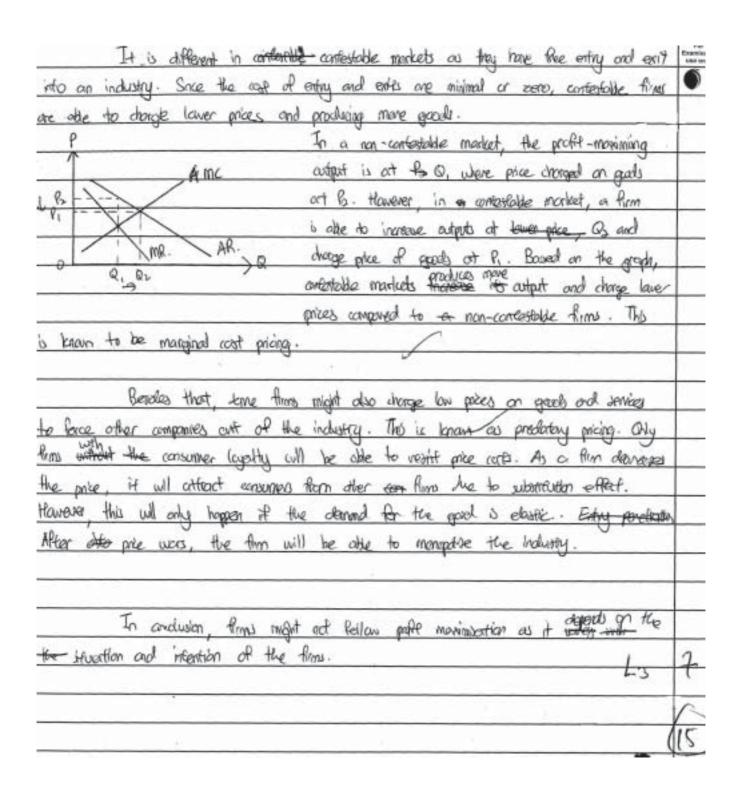
Mark awarded = 19 out of 25

4) a)	Firms in an economy can expand through external integration and internal integration.
7	By internal integration, firms can expand into by increasing the number of branches in an
	according while external intergration can be diided into leward interpretion or landerword
11.	integration. Forward integration is occurs when a firms expand into a different serious of
	industry which has takes place after its eniting sector while backward integration occurs
	when a firm expand into a sector which before its initial sector in the inclustry.
	For example, 46Han-Vellasubayan and BMW mangool into a single campany recently.
	By expanding a firm a firm will be able to above advantages as well as
	disadventages. They must significant adventages of large company is economies of
	scale. Economies of acole occurs in the long run where firms will be able to produce
	autgets at minimum cost. In other wads, firms will be productive efficient.
	(P) Abased on the diagram, as a firm expands in size, the
	firm will be able to graduce Co, quantities at P,
	Which is the lowest point of the long run average
	P come graph. When a firm experience accommiss of
	scale vanious sectors such as financial ull the auster
	have lower out to the company. For example, large
	Prins such as Tasko Supermorteet will be able to obtain looms or Prancial aid
	casier as injectors or will have high confidence tenoreds the company as the risk bearing
	of the investors to will be lawer tampased to investing in small vetail su shop supermemberts.
	Advanting Spacialisation can also take place when firms expensive economists of scale, hence
	decreases costs such as time and thus, increase producthing of the flows.
	Besides that the first attent a graduing at as a first experi graduces output
	at its minimum cost, the profit margin of the Rom will increase to its revenue will
	the higher. The increase in profits entred by the firm can be used for research and developments as well as investments to bin arease the autour productivity as well
	and developments as well as investments to principles the author productify as well
	as the qualify of the goods and services produced. Buy along so, consumers
	will also be able to have a vider range of goods and sometimes sources to choose



In conclusion, as a first these one disabortages and advertages that an occur	Time
as a firm expands. However, the it is able to control the demogra at all chanage of	•
abadiomfages by government intervention such as maximum per and minimum prices as very	
as subsidiles to infant inclinations. Quetas an access to resources can also be imposed/	1
to maintain authinable growth in the owner economy.	
V	
3	8

L	the marginal revolve come. This is because since marginal cost is the difference in
c	additional cost of producing an additional unit (Δ Total cost), it can be said that
	s the supply came of a firm. Marginal volume come is upon ravour come is said
	ie the additional revenue generated by an increase of a unit of soles of the firm
	(A Total pools). Have, it was be taken to be the demand come of the firm. Maggi
4	evenue conve is disministed slighing as the invalue in piece all operate laws demand by a
	be to abbitution effect other consumer will switch to rebuildy cleages polationness.
L	thence, firms will goodlesse occording to profit moviniscention to obtain to Helv man
4	assible revenue, tlavever, it differs for the type of Monked structure in on economy.
	In perfect competition modulet, the firms are price takens, hance the marginal navoruse o
	be particity elastic as the price one equal at sonious outputs. Therefore, the average
	I you revenue, marginal revenue curves one the same as
	e propage Based on the graph, MC outs MR at point @
	where from produce at Q, at Q and set a price
	o Pr.
	6,
	In managely and managelistic markets, firms will exchange higher price at law
	guarry because of the industic demand of consumers. Rue to product differentiation in
	P . protopolistic models, the morginal revenue and autrope
	A mc versive graph or downwords John while in mangady.
	Pi - tate the helpsey demand due to semonisoritin causes to
	By the morginal proper overlye revenue groups to be dannon
	I'm. I slipping. In this case, managethic firms and managetly fi
	of o, and one was price settler.
	Based on the graph, the mc come cuts the MR come at point e where the government
	produced is an ext and price charged at 6. However, due to inelestic demand and being
	The second secon



This candidate gave a reasonable answer which could have been improved in section a) if there had been further development of economies of scale and/or of the reasons why it might be advantageous for small firms to exist in their own right, rather than concentrating on the lack of managerial control as a firm seeks to grown. An improvement could have been achieved in section b) if there had been further discussion on the alternative policies that a firm might use. Mention was made of contestable markets and predatory pricing but the answer could have been developed with a mention of sales maximisation, behavioural aims or satisficing.

Mark awarded = 15 out of 25

a),	It may be advantageous, if a firm is comparing in superfectly competitive
	market where firm achieve abnormal profit, as a result of profit maximisation
	It may be advantegables, if a firm is competing in perfectly competitives
	market where profit maximisation, MC=MR occurs.
	Since in Perfectly competitive market, P=MC, Herefore MCMR, SD
	PEMR price is equal to morginal revenue, means firms achieve short
	run abnormal profits. This abnormal profits can be direct to R & D,
	which may innovate the production proces resulting the firm to experience
	economies of scale, where which it reducing overage crost as size of
	firm grows
	P. M.
W.S.	
	> Profit maximisation MC=MR.
	D. AR. MR.
	Q ·
	It may be disadvantegears, as firm achieve abnormal profits, competitors
	may enter the market, resulting the price to be fall, therefore firm admint
	achieve abnormal profit in the long run, but normal profit, then they may not
	be able to inject sufficient amount of fund to R&D, and may not experience
	economies of scale but possibley possibly diseconomies of scale, at firm grows
	in size, but they may not find innante a method to reduce againage cost.

Leave D. Profit maximisation is a point where MC - MR to shown in the diagram blank D=AR=MR achieve abnormal profits, In the short run, they achieve abnormal profits, which enter the portet, this shifts industry excupply aims outhours resulting in price to fall the this continues until firms carning normal profits in the long num. If only normal profits are earned, then firms exit the morteet, so industry supply curve shifts bee inward, again in the long non, firms achieving normal profits only. Therefore is a result firms maximising profit earns normal profits in the long run ... Industry curve shown above D Firm Firms in oligopoly may collude to generate greater profits, fixing price at which abnormal profits are generated and give quotas to each firm. But this may be break upeasily, if one firm cheat to generate even production quotes and charging prives .

This candidate began the answer to part a) by explaining profit maximising in perfect competition and only briefly mentioned diseconomies of scale. Some of this information was repeated for section b). The diagram in section b) lacked the correct labels and although there was a brief mention of oligopoly there was no real explanation of the theory of profit maximisation and no discussion of alternative aims which a firm might follow.

Mark awarded = 8 out of 25

Question 5

In imperfect competition, labour markets can lead to worker exploitation in terms of the wage rates they receive compared with wage rates in perfect competition. Discuss this opinion. [25]

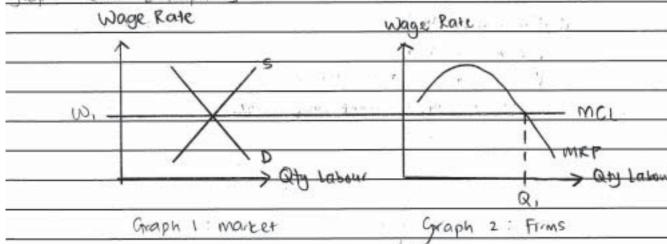
Mark scheme

Candidates should explain the economic theory of wage determination (marginal revenue product) and compare the situation in perfect and imperfect competition. The theory indicates that wages are lower in an imperfect labour market especially if there is monopsony. The extent of the reduction varies depending on whether the labour market is considered with a perfect or imperfect product market. However, the comparative reduction in wage rates may be corrected, at least in part, by the strength of unions or by government legislation. [25]

- L4 For a thorough explanation of the analysis of wage determination with a clear comparison of the two markets and a comment on trade unions and/or government policy. [18–25] (14–17 for demand and supply only with institutional factors and/or government policy)
- L3 For a competent explanation of the two markets but with a limited discussion and application. (10–13 for demand and supply) [14–17]
- L2 For a correct but undeveloped explanation with only brief application [10–13] (6–9 for demand and supply)
- L1 For an answer which contains inaccuracies and only a few correct points [1–9] (1–5 for demand and supply only)

Whether labour markets under imperfect competition lead to worker exploitation in terms of wage rates they receive compared to woges in perfect competition is highly subjective and dependent on an analysis of the presence of a manapsonist, trade unions and government intervention in an imperfect market.

how wages are determined in the market. Here, the wages of workers are dependent on their Marginal Revenue Product (MRP). MRP, in essense is the amount of additional revenue of firm would earn by employing an additional unit of worker. Since firms under perfect competition are profit maximisers, firms will higher workers up to the point where MRP is equivalent to the marginal cost of lightful (MCL) as illustrated in the opens of below. [Graph 2]



Since under perfect competition buyers (firms) and sellers (workers)

are price takers, the wage rate is set by the interaction of demand

and supply in the market. The reason that the graph for the individual

firm is represented is to distinguish between perfect and imperfect competition.

If is assumed that under perfect competition, all warkers are homogenous.

Hence, the rost of hiring an additional unit of worker to the firm is

constant. Mere is no exploitation of workers in terms of wage rate

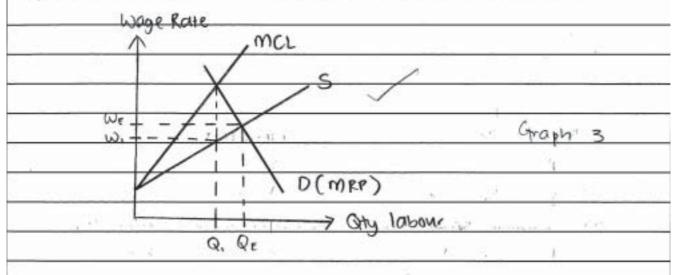
under parter competition as a firm who affers a to bage rate lower than

the market rate would have no worker wanting to work for them given

the unlimited buyers (other firms) who offer the market wage.

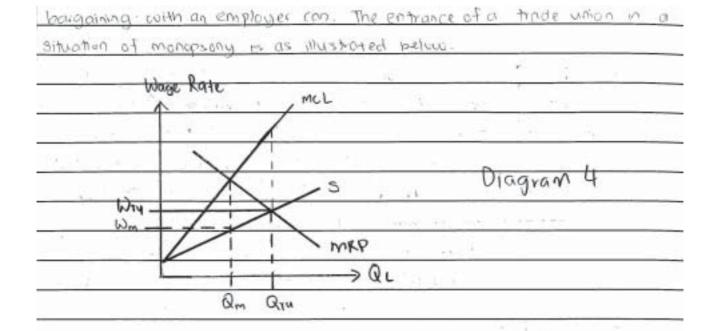
There are several reasons as to why there could be exploitation in terms of wage rate under imperfect competition. In the presence of a manapsonist, wages are often much lower than what they would have been under perfect competition. A moneys his is because a monopsonist has an upword sloping supply curve and even steeper marginal cost of labour curve. The reason for this is that a monopsonist would have to increase the current wage rate in order to attract more labour into the market.

To odd a definition, a monopsony exists when there is only a single buyer to the market. This is illustrated by the diagram below:



Being a profit maximiser, a monopsony would hire workers up to the point where MCL = MRP. As observed from their diagram above, workers are poid a much lower wage rate that wholer a monopsony, workers are indeed exploited and paid lower wages. The reason a monopsony is able to do so is because that since it is the sole buyer of labour in the market, workers have no choice but to accept the lower wage rate.

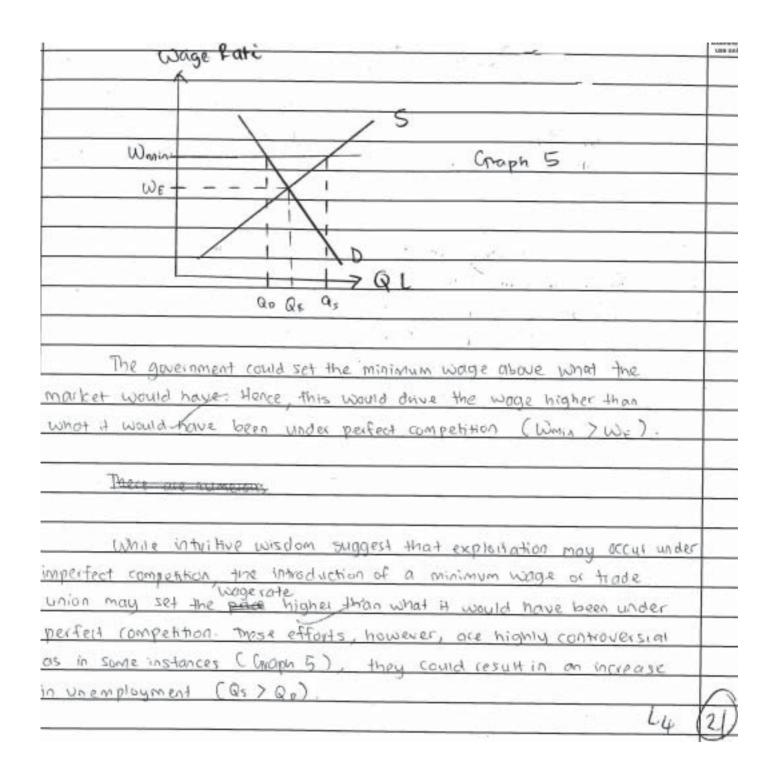
Conditions however, are not too dire when a trade union enters the picture. Trade unions (another key characteristic of imperfect labour markets) serve the purpose of collectively representing workers in apportioning wage rates with employers. This is because collective basgaining power exerts a significantly large amount of influence than the individual



Here, the trade union has successfully negotiated a night wage rate for warkers than the monopsonist had initially offered Hence, one min. The wage rate the monopsonist offered (Wm) when has now increased to who. In this instance, the trade union had negotiated the a wage rate equivalent to the market equilibrium. However, a trade which with higher bargaining power would be able to demand an even higher wage rate. This would depend on factors like the union density and substitutability of labour. In essence though we might derive from here that it is possible for wage rates to be higher than the market equilibrium (and hence perfect competition) under circumstances of imperfect competition

Intermediately, we can conclude that a monopsony drives unges lower than what they would be under perfect competition. However with the presence of a trade union, wages could patentially be much higher.

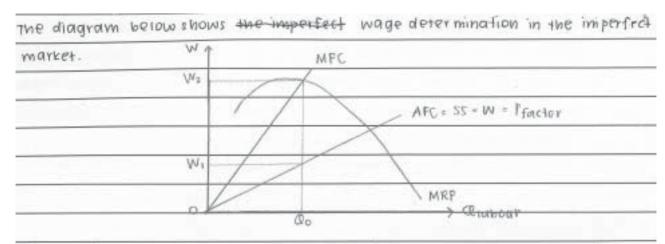
Specialis this, there is no government intervention under perfect competition. Imperfect competition, on the word other hand may evoke accomment legislature such as minimum wage requirements that could drive up wages. This is the state in the graph that follows



This candidate gave a very clear explanation of the determination of wages in perfect competition through the market demand and supply. This analysis was then contrasted with that which applies to imperfect competition. A discussion of the influence and power of a monopsonist, a trade union and a minimum wage determined by a government then followed. A concluding paragraph drew attention to the difference that may occur between perfect and imperfect markets when trade unions and minimum wage regulations exist.

Mark awarded = 21 out of 25

in the demand for pro	perty houses will lead an increase in property developme
Thus , this win lead to	an increase in the domaind for construction workers.
Marginal reven	ue product (MRP) is used to indicate the demand for
labour. MRP is obtains	ed by multiplying marginal physical product with
marginal revenue. (MRP = MPP × MR), MPP is the additional output
produced by employing	an additional worker. MR is the additional generated
by employing an addition	onal worker. MRP is known as the additional revenue
of a product producted	by employing an additional worker.
There are assi	imptions for MRP. There are perfect and imperfect in
goods market and facto	r market. All variab Perfect in the goods market
indicates that the den	and for labour is a horizontal line where DD=P=MR=
Imperfect in the goods	market indicates that the demand for labour is
downward sloping. All	variable factors are homogenous. It is due to the
law of diminishing m	arginal return. Firms are set to operate in order to
achieve maximum pro	of profit.
wages are der	ermined where MRP = MPC , MFC is the additional
cost of employing an	additional worker. The diagram below shows wage
determination in the p	perfect market.
W↑	
₩a _	MFC = AFC = SS = W = Practor
	MRP
	- Quarour
0	Q, Qo
the supply curve of the	labour is horizontal as labour and firms # both have
perfect knowledge. Th	e equilibrium is where wages are at Wo and quantity
of labour is at Qo. P	oint A cannot be the equilibrium point as MRP
cost continues to rise.	when MRP > MFC, firms will employ more workers

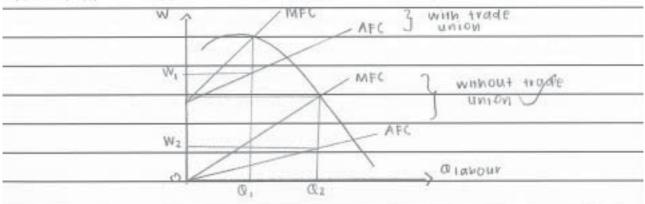


the supply curve of labour is upward sloping as both labours and firms have imperfect knowledge. Wage is determined where MFC = MRP, which is where wages are at W2. However, firms do not have to pay W2 to get Q0 amount of labours. It only needs to pay the labour at W1. This is due to the imperfect knowledge of the workers on the availability and types of jobs. Workers are being exploited at they should be paid at W2 but instead are being paid at W1. This is due to the fact that in

when there is exploitation of workers, imperfect market,

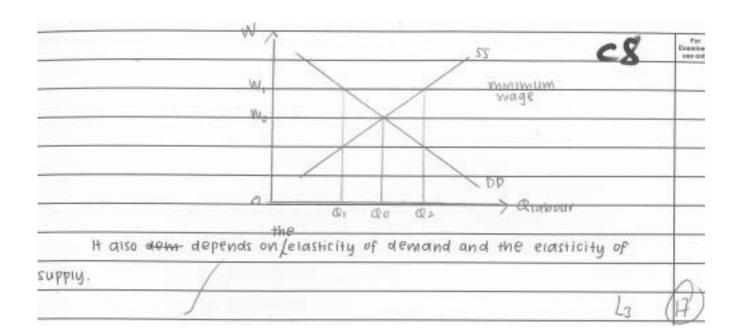
monopsonist are the price setters, we

of trade union and government. Trade union will helps workers to talk terms with the firm in order to increase their wages.



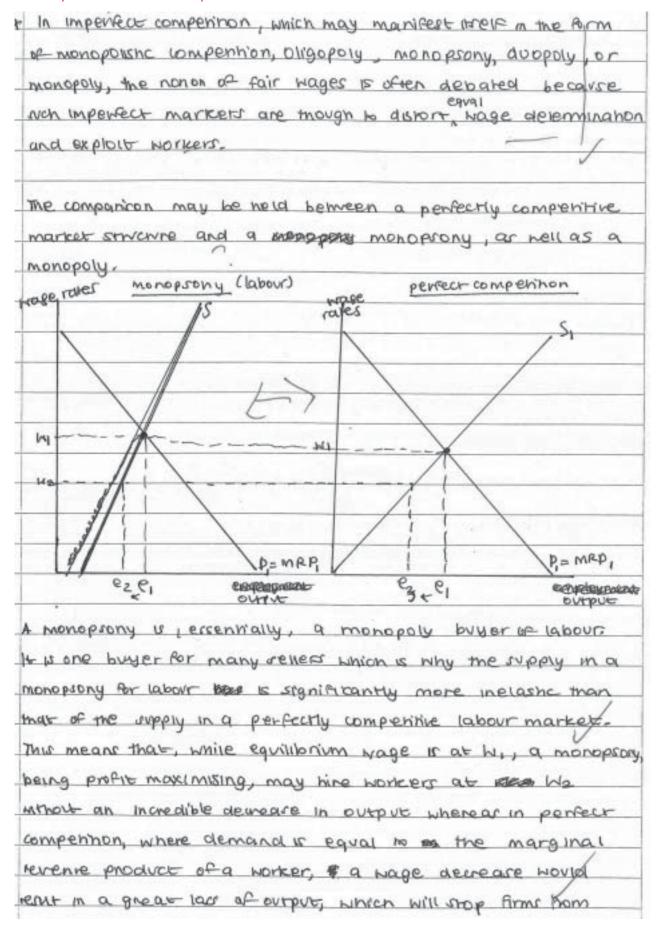
The diagram above shows the difference in wages when there is a presence of trade union. With trade union, wages of labour are at W. where as wages of labour are at W2 without trade union. Trade union will also help labours seek for working benefits such as medical benefits and overtime pay.

This with allow a decrease in employment of QoQ1.



This candidate gave an explanation of the analysis involving marginal revenue product theory but with less development than is required for a very good answer. For example, the candidate did not clearly indicate how the wage which was used by a firm in perfect competition was determined by the demand and supply in the market.

Mark awarded = 17 out of 25



blank

reducing wages. The This & insures that wager in a penfectly compenitive market do not exploit the workers, determined by the demand and supply for labour. must also be careful with monoprony, however, wage rates go below the transfer of wage for too many workers, the the firm will snapply decline. discommanon presences of compension, there & also the imperfect knowledge, or assymetric information Norker which leads to the explostation given the apportunities their NOF him discrimination against were female employees, employers may pay them lower wages than perfectly competitive morker occupation. This is not possible a where there is no discrimination and perfect knowledge, mobility / geographical well as occupational insegraposon Immobility conhibites to the wage certing from monopsonies as laborners often are Lower mage rates as SKILL Yneura. move to a location characteristics of There are all standage was an impensect opporunutipe. compenhon distort wage rater and exploit if their wages are may also be exploited rate so that they operate under a money husion not boild labour monopoly, and Monograny product revenue Marginal THE IMPERFECT COMPENTION in wich equity of perfect comperinon which concet, is somewhat largely Firms in oligopolies, duopolles, and monopolies, with wage do not need to retain fairness amongst their worker

This candidate gave a descriptive answer. The diagrams were not clearly labelled and there was confusion between perfect and imperfect competition. There was only passing reference to marginal revenue productivity, the analysis of which was omitted, no reference to trade unions nor to government intervention in the form of minimum wage legislation or regulation.

Mark awarded = 10 out of 25

Question 6

(a) An increase in investment will raise national income but an increase in the desire by consumers to save will reduce national income.

Explain why this is the case.

[12]

(b) To increase national income, interest rates should be lowered; indeed lowering interest rates is the only policy available to increase national income.

Discuss whether you support this opinion.

[13]

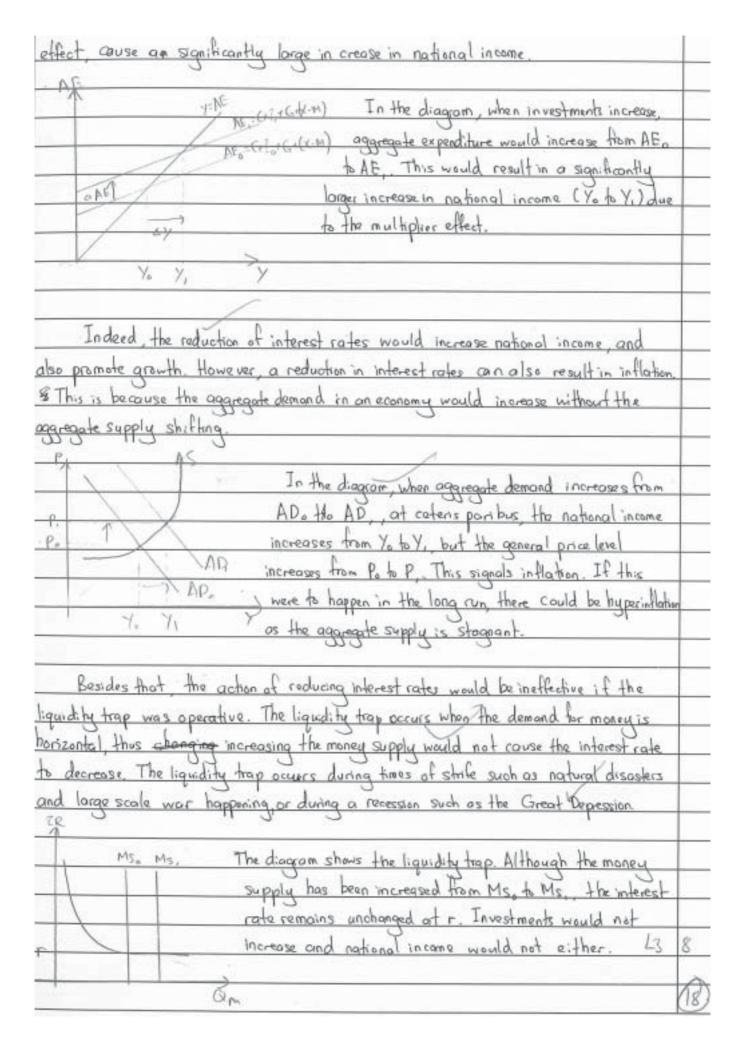
Mark scheme

- (a) Candidates should explain the different effects of an injection of investment and a withdrawal through saving by use of the multiplier process. Possible use of 'paradox' of thrift idea. [12]
 - L4 For a sound explanation with good application and a clear understanding of the principles involved. [9–12]
 - L3 For an accurate explanation of the multiplier but with a more limited contrast of the difference between the investment and saving. [7–8]
 - L2 For a general explanation probably in descriptive form. [5–6]
 [Maximum L2 if there is no mention of the multiplier]
 - L1 For an answer which has some basic correct facts but includes irrelevancies and errors of theory
 [1–4]
- (b) Candidates should analyse how lowering interest rates might help increase national income through increased investment or increased spending and then discuss whether lowering interest rates is the only policy available. [13]
 - L4 For a sound discussion with good explanation of the analysis of interest rate changes and a consideration of alternative fiscal measures with a conclusion [9–13]
 - L3 For a competent comment but with limited development of the analysis or undeveloped alternative policies and a weaker conclusion. [7–8]
 - L For a brief explanation and with a weak discussion of interest rates or weak alternative policy measures with no conclusion. [5–6]
 - L1 For an answer which has some basic correct facts but includes irrelevancies. Errors of theory or omissions of analysis will be substantial [1–4]

)	Consumption and investments are two important components in measuring the national
	income of an economy. These two components are port of the aggregate expenditure of
	an economy and contribute to the gross domestic product CGDP). The circular flow of
- 1	in come indicates that a change in consumption and investments can cause a change in
	national income due to change in aggregate expenditure. This can be proven by the formula
1	where Cis consumption I is investments, G is government spending, X is exports and Mis
1	imports.
	We can show the changes in national income due to investments by drawing
4	diagrams as well as including the multiplier effects. Investments are spendings-man
1	firms in a certain capital so that the firms would be able to produce a larger quantity
4	of goods and services in the future. For example, a firm invests in a plot of land to build
	a factory so that production can be in creased. Investments consist of autonomous investment
_	E and induced investment, the latter or Investments are usually fixed in
	volume, so the change of in investments would cause the aggregate expenditure (AE) cun
- 1	to shift upwords.
- 1	AK.
	To the digage as business in
	AE CHOPGICEN investments would couse the AE curv
	to shift from AE, to AE, As a result
	national income would increase from Yot
	Y. We can note that the increase in Y
	is larger & than the increase in aggregate
	expenditure. This is due to the multiplier
	You You Yelfect which states that a small change in
	aggregate expenditure leads to a larger change in national income. This can be
7	represented by a Y = k a A5 where k is the multiplier and k > 1,
7	
1	K = MPS + MPM + MPT
\dashv	MPS is the marginal propensity to save MPM a the marginal propensity to import and
- 1	MPT is the marginal propensity to tax Therefore an increase in investments would con
\dashv	7 1 7 ,

To understand this, we must note that swing is the alternate aption to consuming and at a fixed income, a consumption decreases as Savings increase (MPS+MPC=1). A desire to sove by consumers causes the MPC (marginal preparsity to consume) of consumers to decrease. This causes the gradient (slope of the AE curve to become more shallow since the MPC represents the gradient of the AE curve. AS AS AS AS AS AS AS AS	On the other hand, an increase in savings would cause national income to decrease	
the discome & consumption decreases as Sovings increase (MPS+MPC=1). A desire to sove by consumers causes the MPC (marginal preparative to consume) of consumers to decrease This causes the gradient Islope of the AE curve to become more shallow since the MPC represents the gradient of the AE curve. AS MENCIPLEM When consumption to the AE curve. AS MENCIPLEM Correction When consumption to the AE. developed the AE. developed the translational income would shift from AE to AE. developed from Yo to Y. Again we must note that the multiplier effect takes place when this happens as the decrease in national income (aY) is significantly larger than the decrease in agaregate expenditure (a AE). As we can see changes in components of the agaregate expenditure can lead to a larger change in the national income. However, thence economists and governments can implement policies to contract or expand the economy using the effect of the multiplier when necessary. However, the multiplier value is different for every economist and it is not easily measured in reality Furthermore, there is a possibility that the multiplier value is test than one making policies inefficient. Therefore, it research must be done before policies to contract or expand the economy can be carried out.		
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before policies to contract or expand the economy can be corried out.		
		11

	Keynesian economists stress upon the importance of interest rates in on econom
	nterest rates are crucial in the money market as well as the goods market as
	termines the money supply in an economy as well as the number of investments
	ade both of which are factors and influencing national income. There have been
۵	rouments about whether controlling the interest rate is the best way to increase
0.9	tional income.
	The effect of lowering the interest rates to increase national income can be
es	plained using the monetary market transmission mechanism. In a money market
	terest rates are determined by the demand and supply of money. Suppose the cen
	increases the money supply, this would cause a rightward shift of the money su
Cu	rve, cousing the interest rate to decrease
H	16 Seri Seri Seri 77
-	The money supply increases from Sm, to Sm.
_	causing the interest rate to decreose fro
L	ro for.
	r,
	Dn 6
	Interest rates are the most important tactor in fluencing investments. This
be	couse firms wanting to invest would require large amounts of capital and would no
	porrowthese funds from banks. If the interest rate were bugh, there would be
	s incontive for firms to borrow as they would have to pay back more. A fall in
JiO.	terest rates would prompt investments by times.
-	18
	In the diagram, MBC is the marginal efficiency of capi
	When interest rates decrease from 1 to 1, the argue value
	of investments made would increase from In to I. as
	r, MEC firms tend to invest more.
	I. I. I
	Investments are a part of the aggregate expenditure. An increase in investme
	threstments are a part at the garment aroundly a la lacera to be re-



In conclusion, although lowering the interest rate does is an effective method to expand an economy. It is not the only policy available to increase national income. Att Fiscal policies such as reducing tax rates and increasing government spending can help increase the national income, as well as supply side policies such as the Raegan income tax cuts in the 1980's, a. These policies can increase national income without coursing inflation. The government should carefully review a policy and consider its effects on the economy before implementing that policy.

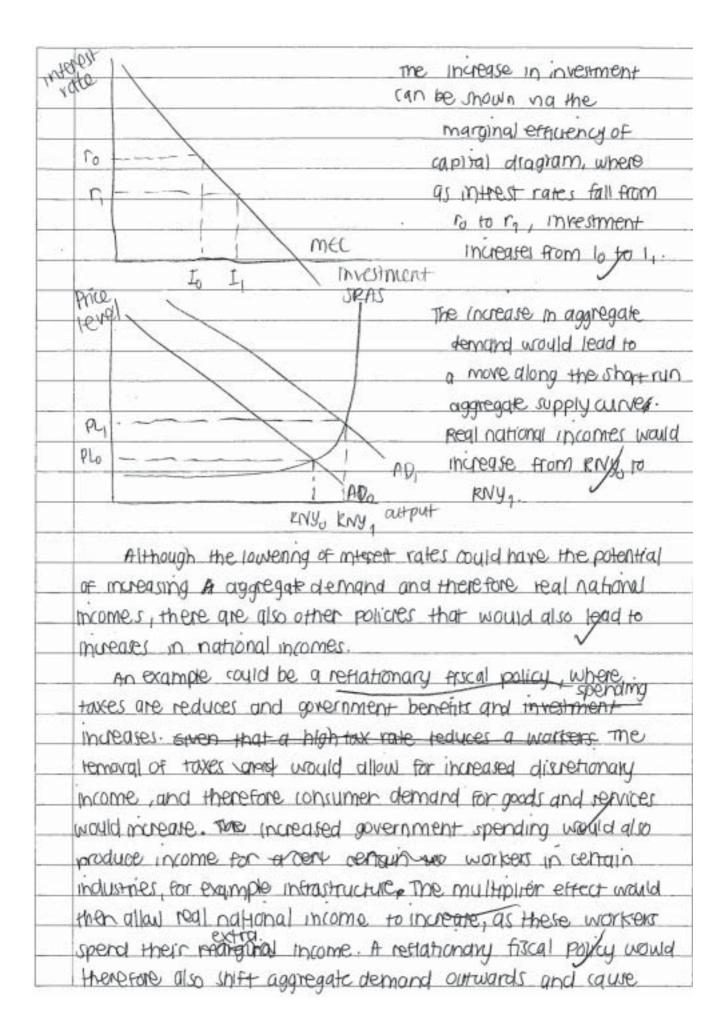
Examiner comment

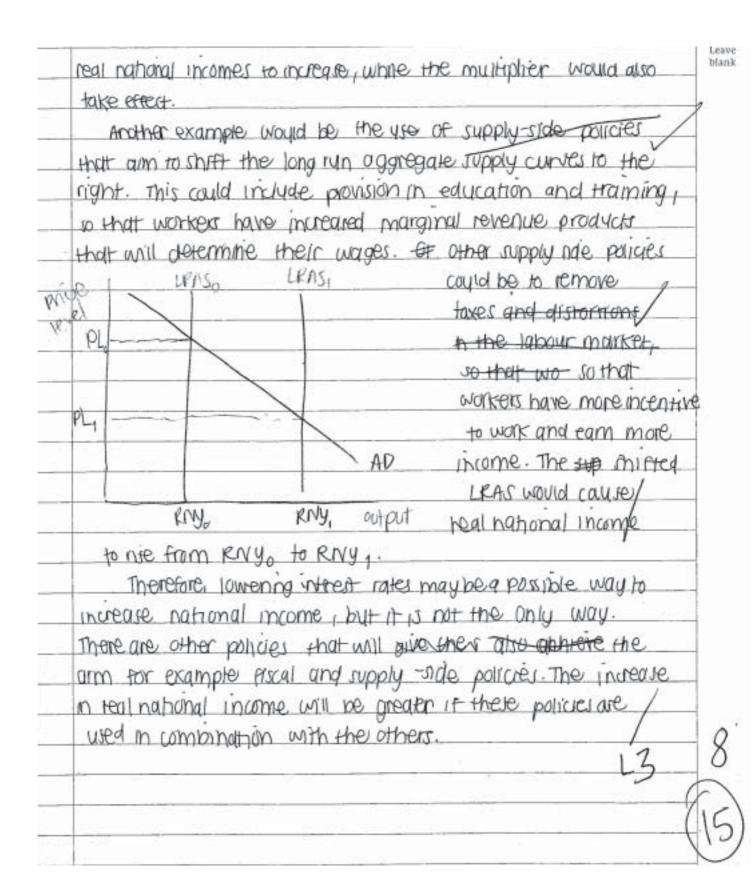
This candidate gave a clear and reasoned account of the process of the multiplier in section a) with a conclusion on how an increase in investment or an increase in savings might affect the level of national income. There was a good account in section b) of the link between a change in interest rates and a change in investment. The weakness of the answer in section b) was that although the candidate began the final paragraph with the words 'in conclusion', the paragraph was really a very brief list of possible alternative policies to the use of interest rates. No development of these policies was given. The candidate did not, therefore, develop the answer to deal with the second part of the quotation in the question nor did the candidate draw a conclusion about the argument presented in the question. Overall, however, this was still a good answer.

Mark awarded = 18 out of 25

q.	An increase in investment washed anoth by the government or from
	refers to an injection of money into the economy. When for example,
	g firm invests, it hires more factors of production one main factor
	of production it hires would be labour. As a firm hirer morelyabour,
	employment in the industry increases, causing increases in disposable
	income of the worker in the industry. According to the theory of/
	the multiplier, the to a proportion of income received would be
	spent un consumer goods by the sonsynaets worker. This spending
	would then become income for another firm/ worker, and the
	proportion they spend on soo goods/ rensides would become income
	for drother person. The mytrplier, therefore refers to the number
	of times money is used a an economy. To calculate the value /
	of the multiplier, we use the formula 1 where
	1-MPC
	mpc = marginal proponcity to consume, i.e. the proportion of
	money spent on an extra dollar earned by a person. An injection,
	therefore adds to the circular dow of income between household
-	and firms an increase in-income would normally lower the value
	in moutions, and therefore incomes, would normally lower the
1	value of the margin mpc, as more income is earned, white
	the proportion spent on the an extra obligh earned would fall.
	when the value of the MPC falls, the value of the multiplier
	Increases. This days the nymber this means that the extra
	\$100 earned the by workers of the particular industry would
_	have a much larger effect on the income within the ecopliny,
	as money is rolled over more times. This causes an increase in
	real national income.
	on the contrary, the desire for a consumer to save refers
	to a withdrawal from the circular flow of income between
	households and times. This withdrawal causes money to be
	lost from the economy, asit is not spenton goods and

vervices. The marginal propensity to save (1 - MPC blan refers to the proportion of money an individual saves for an extra dollar earned. An increase in the marginal propensity to save (MPS) would decrease the value of the multiplier, degrease in the multiplier value would mean hence MPS the two that money is not being used to as many times, due to + households saving all arger proportion. This causes a decrease in real national incomes because less people are recrening portions of the extra income earned . , and therefore will 10 MBD/10 b. Interest rates can be used to increase national income. This is because a fall in interest rates would lower the costs of borrowing for consumers and firms. consumer would benefit from cheaper loans and cheapen mortgage repayments which would increase their der descretionary income cless money needed to pay for mortgages). The Howseholds will become more altracted to spending than to saying, as salvings would not give good returns and therefore leads to a higher appromythity cost. this myrethe that tought to anse muse when firms can borrow more theapty, they are more likely to invest acitable Investment would lead to increased real national income, as mentioned in a yestion A. Both ophith Both increases in consumer spending and increase in investment would contribute to hranen levels of aggregate demand





This candidate gave a correct response to both sections of the question. The weakness of the answer was not that it was incorrect but that it lacked development and discussion. Section a) could have given a fuller explanation of the multiplier process and section b) could have dealt more with alternative policies to interest rate changes.

Mark awarded = 15 out of 25

Question 7

- (a) As an economy develops, the relative importance of different sectors of production changes. Explain, with examples, why the pattern of employment might change as an economy develops.
 [12]
- (b) Discuss whether increases in economic growth are necessarily beneficial to an economy. [13]

Mark scheme

- (a) The usual division of production is into primary, secondary and tertiary sectors. Developing economies move from a dependence on the agricultural sector through industrialisation. Along with this there is a growth in the service sector – industries relying on IT, call centres, tourism. The changes reflect changes in demand, income, urbanisation, government policy, comparative advantage and competitiveness. [12]
 - L4 For a clear explanation of why the relative importance of the productive sectors of the economy might change with good illustration or examples [9–12]
 - L3 For a less developed explanation with fewer examples [7–8]
 - L2 For a more general descriptive account with lack of comment on the causes of the change and with few examples [5–6]
 - L1 For an answer which has some basic correct facts but includes irrelevancies. Errors of theory or omissions of analysis will be substantial. [1–4]
- (b) Economic growth involves greater production measured by changes in GDP/GNP. This could cause an increase in the standard of living, improved health, education and employment opportunities. There may be disadvantages. Poor working conditions, the growth of externalities, the careless depletion of resources. There may also still be questions of inequality in the distribution of income or whether the increased GDP is spent on things which might not give direct benefit e.g. military research.
 - L4 For a discussion of the overall effect of growth on development presenting both positive and negative aspects with a conclusion. [9–13]
 - L3 For an analysis of the contribution of growth to development but with a concentration on either the positive or the negative aspects with a conclusion. [7–8]
 - L2 For a more descriptive account without much evaluation and without a conclusion. [5-6]
 - L1 For an answer which has some basic correct facts but includes irrelevancies. Errors of theory or omissions of analysis will be substantial [1–4]

(d) As an economy develops, the economy is
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living and better life when an economy grown, the
celative importance of different sections like the
primary secondary and tertiary sector insolvement
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An development to the phase of development
will start to focus more attention and trade
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to primary sector. This is because the economy
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Capabilation and automation is their to teach
call, Also, when the economy develops, refore
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Per	nan endarument, social factor, political Fortourend
1.4	story. Additionally, economic growth is shown by
	outward shiftin the production pourse
Company of the Compan	simones or surerrate homonous no to surer in statistic
	growth is not an unwixed blessing and muchoth
	positive and regative aspects of aceronomy
	To heger an increme in snonowic growth mous
	e population is hetter off and is enough higher
	meone Thus, they will demond more good and
The second secon	servites to enjoy a higher standard of Huling.
77	exectors, the economy backs increase production to
	saltify the questi of the consumers with to
	cope with the boxene in aggregate demand, one
	markers to be sullated with one of openion
	employment subject reduces the hunder of controlly
	tround to promide for mempleyment benefits.
	towns for example to relawable, economic growth
	20 90 with site pla by a next cod to
	expressed pure testings against the house
	pamel used to the troubled wor to pear toward
	ph scaramen or the "copythe chance rhoques,

Enthermore, an increase in economic growth is
hereficial as when more people are employed they
are more liable to pay taxer. Thus, the been revenue
eran erroried at the prelitaries recommend themselves at to
projects and therease & increase economic development
in herms of infrastructure, However, If the government
increases the took threshold, less tox revenue will
he other obtained.
Treeses in economic growth are here privil as
people enjoy a higher standard of living there is
loss strenctul wheat more facilities are available for
Herr lessure hime. Also, economic growth extents
that the economy is a favourable place for
potential touritment. Thus, Pareign investors will be
attracted to having foreign Direct Foreign Decruse
of husbress aphinism pe prevailing in the eranany.
This Further improves national income.
ELEGENIC & EDWARD FRANK STORE - ECONOMIC GROWTH
9

Write on both sides of the paper	Nething is to be written in
However economic Growth Junepor Tome Regions	this margin
gramparks incommis grown refers to increased modertion	
of goods and services which imply more pollution	
and external costs. These external costs reduce the	
economic welfare of the citizens of the economy. Also,	
economic growth implies higher standardof living which	
beings along the "rich-man dereases" such as distretes,	
hypertrasion, and cholesteral due to increased consumption.	
Thus, the extra brooms from economic growth	
goes to medical thouse tremms. Along Also,	
conomic growth can be distribut when there	
is irrequaliby to distribution prevailing in an erosomy.	
For example, I'm Saudi Analla, the 55 rich Sheites	
appropriates all the income leaving to others	
reither hetter off nor worse-off. This can lead to	
revolts by the middle-class persons and tension	
if the economy will descourage investors to	
thus. Also, economic growth can be due to	
the production of more apital goods than	
CONTURNER GOODS - In Countries 11to India where	
ecous begins done to brogness, the company	
engols economic growth but the openion	
does not honefit. A rise in economic growth	
a the line when t see to trakes people	
hetter off and they start demanding for imported	
good A rise in imports will definitely	
whosen the Balance of payment of the economy	
which may reduce the economy to be indented.	
Economic growth reacy reads the citize 14	9
	()
	(19)
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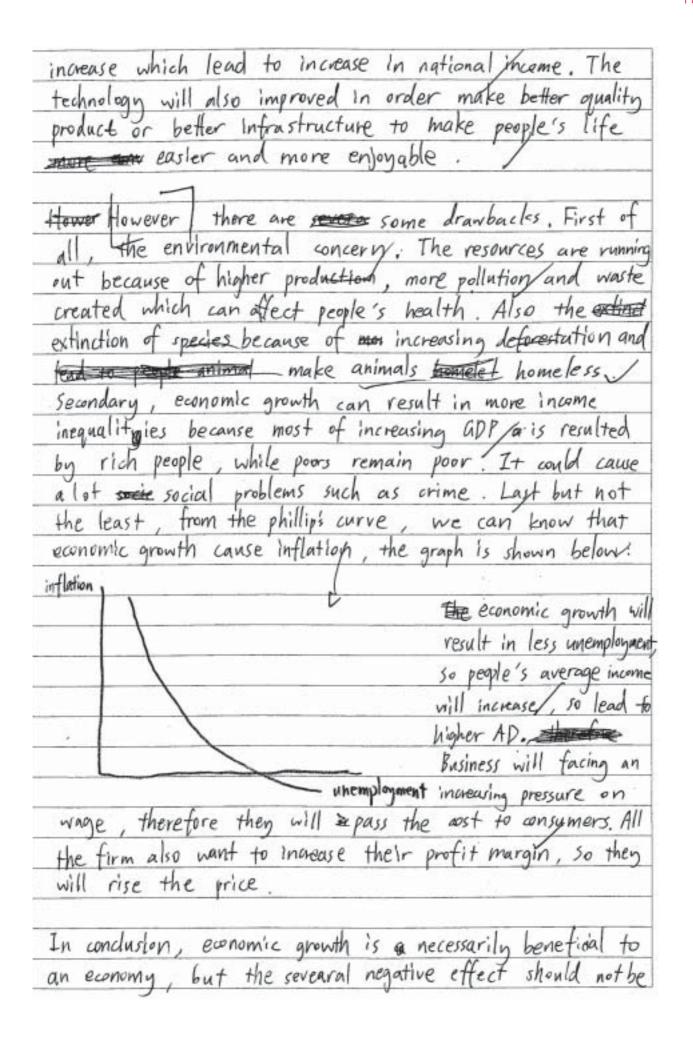
Examiner comment

This candidate gave a clear explanation in section a) of the differing importance of the industrial sectors as an economy develops and consumers' expenditure and job aspirations change. In section b) the candidate gave a well-structured answer. It began with the beneficial changes caused by economic growth but this was balanced by a consideration of the drawbacks of economic growth in terms of pollution, changes in income distribution and changes in health, and possible discontent in the population because the economic growth had been fuelled by the production of capital goods which the population did not use.

Mark awarded = 19 out of 25

Example candidate response

(a) the sectors of production involves primary, secondary and
tertiery (the services sector). Primary sectors are migr
majorly agriculture production or raw material minding.
Sector secondary sectors involves manufacturing machinary
manufactory. The tertiery sectors are considered
as services sector.
A When economy was not developed, the country is majorly
rely on primary sectors, with only few secondary, but
almost no service sectors, because they have, limited
capital input to operate machins or services. As economy
develops, the amount of a capital available increase, they
no longer have to rely on their primary sectors, the
because land and labour are not the only factors of
production they have so the amount of primary sector
contribute to overall economy will be lower. In
In short run, the manufactorying sectors will increase
their contribution as they have more capital input, but in
long run, it will move to the service sector, because
they can purchase the primary or secondary graduct
from aboard, but improves the goods and services within
the country, to improve the living standard. Also, there
is a forth sector where it is for technology developing,
as a better technology can improve the as economy
growth.
The example of this is # between USA and Africa
USA is a well developed country while Africa we is not
well developed . USA often buy the raw materials at the
such as diamond, iron, or other resources from Africa,
9



ed. Government must y such as supply side reduce the negative	policy to	improve th	e westerline	
roduce the negative	effect or	economy	. 1	2
Tentee The highline	- The cr		L)

Examiner comment

This candidate referred to the change in the importance of the proportion of people employed in different industrial sectors in section a) and considered some of the possible advantages and drawbacks of economic growth in section b). The weakness of the answer was that both sections, although correct, lacked development with either further explanation or discussion.

Mark awarded = 14 out of 25

Example candidate response

7a)	The development of an economy can lead to changes in its structure in terms of
	goods and services produced as well as the growth and contraction of different sectors
	This can cause the employment rates as in an economy to change drastically.
	Materier the case of economic development, unemployment is avoidable, as there will
	definitely be some people who will be unemployed
	3 - 1
	As the structure of an economy changes, the importance of different sectors
9	an economy changes as well. However, in the mobility of labour connot
	possibly keep up with this change as mobility depends largely on human capital
- 1	and human apital takes time to be instilled. As a result, many labourers who are
	unfamiliar with the change in economic structure would And themselves unable to
(entribute and laid off work. This is known as structural unemployment. The
	Industrial Revolution in the Great Britain is a dassic example of this. As the
	country moved from dependence on agriculture to manufacturing, farmers began to
	become unemployed as they were not familiar with the processes of the manufacturing
- 1	odustry. This resulted in a period of time where there was large scale unemployment. Fortunately, this form of unemployment can be overcome if people are willing to
	ncrease human capital by undergoing training and education
	The growth of an economy is not as smooth as we would like if to be.
-	There are times when an economy experiences a tray huge expansion (boom) and
1	imes when the economy focus recession. This instability of the economy
C	growth rate applied couse the employment trend to follow it. During
	the times where the oconomy experiences a boom
	Actual there is very little unemployment. However, during
	Remarker the recession, unemployment would be very high.
	- 1
	This is known as cyclical employment. An example of
	7. Time this is the tinancial crisis in 2008 where a large
	number of people in the United States forced unemployment
	Since then, employment rates have been improving with the recovery of the
- 1	s consmy.

In conclusion, the pattern of growth of an economy very much affects the	
State of an economy employment in an economy. Since one of the macroevanamic	
goals is to achieve full employment, the presence of unemployment is seen to be	1
a scourge in the economy Unfortunately it is impossible to achieve full employment in	\perp
on economy but the right policies can bring the employment rate close enough	H
to full employment.	4
Li	17

is probably the most important of Growth is iving in a country Economic growth indicates a higher standard of living of the increase in gross growth is indicated as the GDP per capita it also means that the population The population is able higher standard better maggurement Development Index tonomic growth also promotes employment in an economy. he economy would Job opportunities However em playment boost the competitiveness Services a thus improve However

In conclusion economic growth is beneficial but at the same time	•
hormful to an economy. The government needs to implement suitable policies to ensure that the five macroe conomic goals do not conflict with each other of and can be achieved.	F
and can be achieved.	7
	(1)

Examiner comment

This candidate gave a relatively undeveloped answer to section a) which dealt with structural and cyclical unemployment. Although mention was made of a shift between sectors in the industrial revolution in Great Britain the idea of a change in the relative importance of different sectors as a country develops was not elaborated. The answer to section b) had a good structure to it; both the advantages and disadvantages of economic growth were mentioned. The weakness of the answer was that these changes were not developed nor discussed at any length. This was a pity as there was a clear attempt to balance one side of the argument about economic growth against the other.

Mark awarded = 11 out of 25

