50% (50 Marks)

Section Two: Data interpretation/Short response

This section has four (4) questions. Answer all questions. Write your answers in the spaces provided.

Spare pages are included at the end of this booklet. They can be used for planning your responses and/or as additional space if required to continue an answer.

- Planning: If you use the spare pages for planning, indicate this clearly at the top of the page.
- Continuing an answer: If you need to use the space to continue an answer, indicate in the original answer space where the answer is continued, i.e. give the page number. Fill in the number of the question(s) that you are continuing to answer at the top of the page.

Suggested working time for this section is 90 minutes.

Question 31

(15 marks)

Question 31 refers to the information below.

Australia will increase the excise tax on tobacco by 25 per cent from Friday to raise \$5 billion in budget revenue over the next four years, Prime Minister Kevin Rudd has said. A government statement says the changes will cut tobacco consumption by six per cent and the number of smokers by two or three per cent - about 87,000 Australians. The 25 per cent tax increase will mean an increase of about \$2 for a pack of 30, and all of the extra revenue will be directly invested in healthcare, Mr Rudd said in a statement. "Cigarette price increases have been shown to be effective in cutting smoking, especially among young people who are particularly sensitive to price," he said. The federal government has also confirmed it will force tobacco companies to use plain packaging from July 1, 2012. It will ban logos, images, colours and promotional words from cigarette boxes.

28th April 2010

Outline two reasons why 'young people are particularly sensitive to changes in price'. (2 marks)

- Young people	are particularly	sensitive to	p changes on	price due
to hewing a	low income will	n an snorase	in price occurs,	the real trans
,				~.
needing to be sp	int increases. It is	stated that me	more intone s	pent the me tright.
				, ,
the choice of an	thm being elestic.	Therefore, due to	having a relatively	low red income
and elashify of	an item becoming ela	whice as more to	n cone is spent, y	my people or
•			•	0 1
schsifice to the				

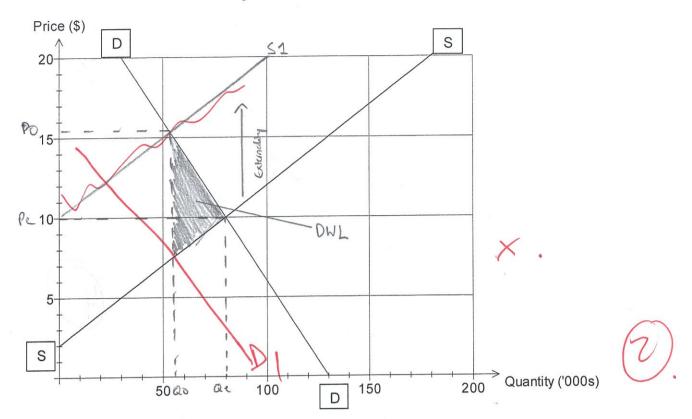
Explain the likely impact of the plain packaging legislation on the position and slope of (b) (2 marks) the demand curve for cigarettes.

									advertisen	
- for	Cigaretter	. Due	to a	clivetising	he ting	a fa	e for	of af	fectory on	
Clema	nd cure	i it	is car	rently	being lim	nted,	then	the Fin	demanel	Can
wile	decreve	and	shift	to the	lept.	This	deve	uses	demand	for
eigo	ivettes.						-			



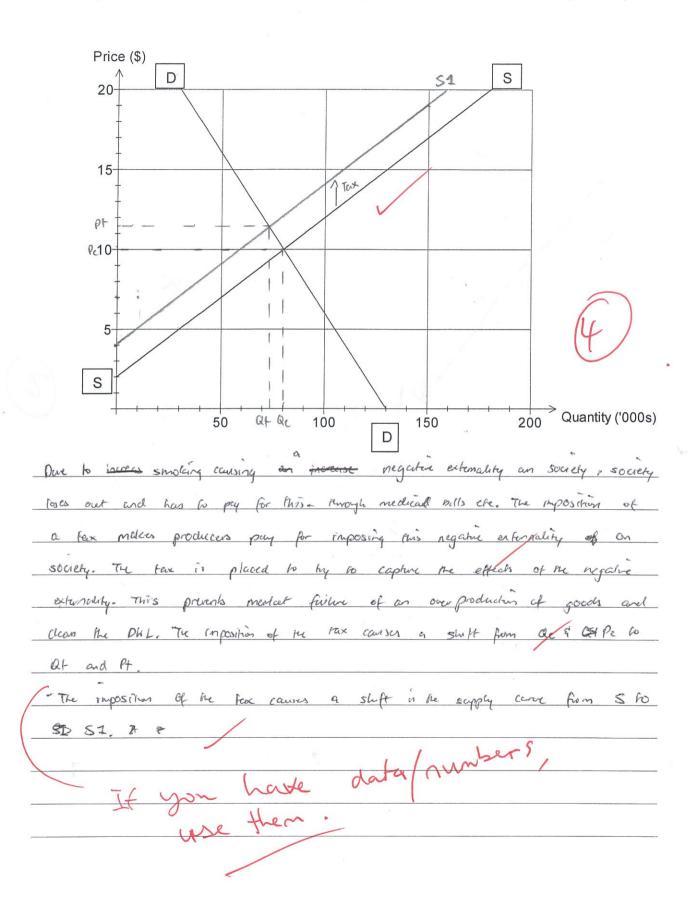
(c) Smoking causes negative consumption externalities. Use the diagram below to illustrate this concept and explain what you have drawn. (5 marks)

Market for cigarettes



-Smoking causes a negative conscuption extendely, then When a negative conscuption extendely occurs, an overproduction obcours. Society currently operates out points are and Pre. Operating at these points according means society is not capturing the negative extendition of smoking. Society should haveour capture this negative extendely. If the negative extendely was captured, then society will operate at Po and Qo. This is the optional operating place. Due to society operating at Pre and Que, a decoloreight loss occurs, as labelled in the graph. This is due to an operation of goods.

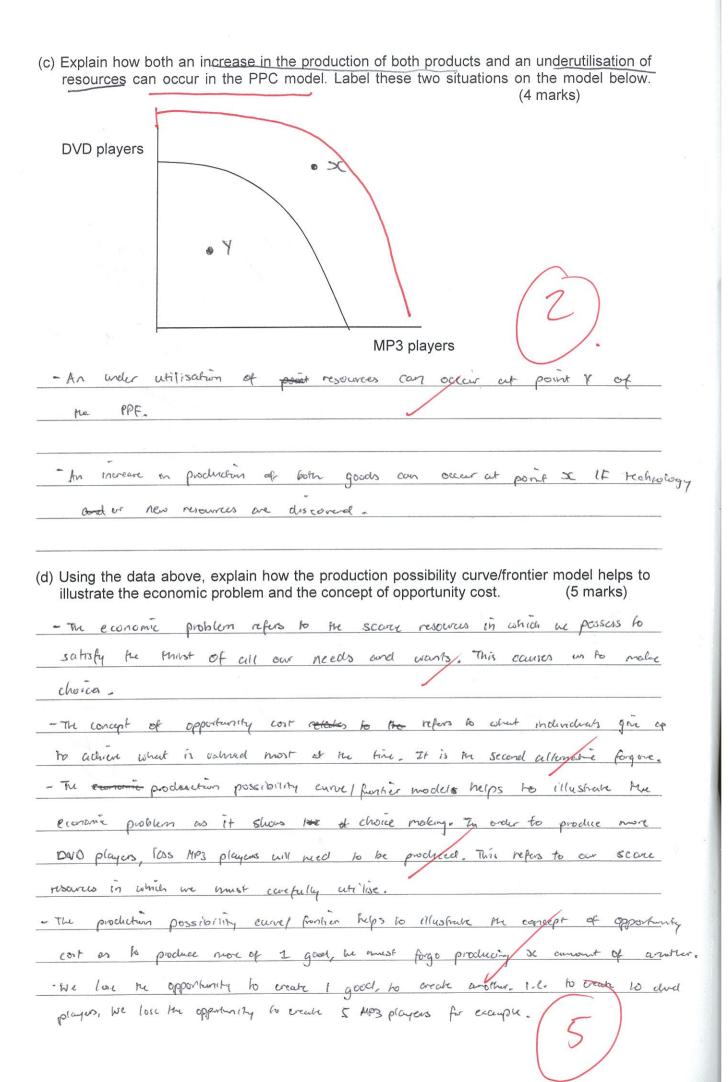
(d) On the diagram below, draw a new curve which shows the effect of the increase in tax of \$2 per packet. Discuss the effects of the imposition of the tax. (6 marks)



Refer to the table below to answer the following questions.

PPC combinations	А	В	С	D	E	F	G
DVD player	42	40	36	30	22	12	0
MP3 player	0	4	10	18	28	40	54

(a) When the economy moves form point B to point D:
the opportunity cost is 10 dvd player
the opportunity gained is 14 MP3 players.
(2 mark)
(b) Explain why the opportunity cost increases as we move along the curve from Point A to Point G. (4 marks)
- As producers reallocate resources, resources it can be noted that some
resources are better stated to creating the players thou MP3 players. This
means that more of the resources must be used to produce a certain amount.
- For example, resource SC is very good at making dud players, it can make 10 d
players. However resturce so can only make 1 MP3 player. Resource y two our make to
MP3 players. The If the produces do not went to make DND phiplayers, then they will reallocate
Mource Sc 10 production of 143 MP3 players. To veate the save amount of MP3 players
On mount y this there will need to be 10 of resource so to produced 10 MP3 players.
-opportunity cost increases as we move along me curve from Point A to Point a
the to different resources being me bethe suited at producer one good, them they
me proflure this requires most of the nextures to puddice a set amount.



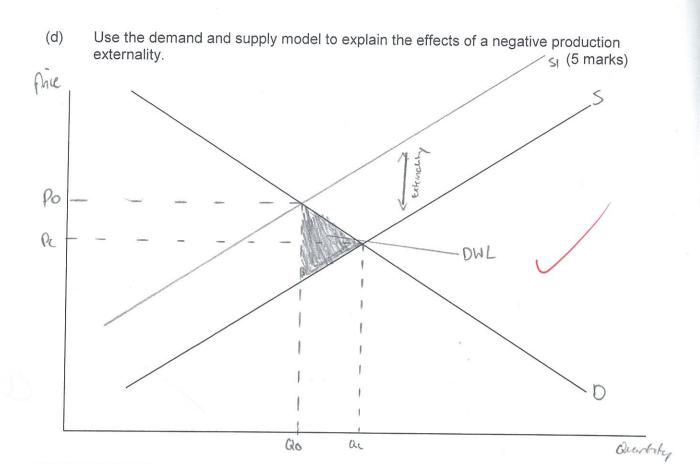
What is an emissions trading scheme?

Australians citizens – along with business groups, industries and unions – want action on climate change. This means that we must put a limit on how much greenhouse pollution we pump out. Governments, industry and environment groups agree that one of the best ways to do this is through a carbon emissions trading scheme.

Rather than putting a greenhouse pollution limit on each factory, power station or car, under carbon trading there is one national limit, known as a cap. The national cap is then divided into individual permits, which businesses and organisations can buy (some are initially issued free to various industries).

If a company wants to emit a tonne of greenhouse pollution they will need to have a greenhouse permit. These permits cost money. So, just as you would pay to dispose of a trailer-load of rubbish at the tip, big companies will pay to deposit a tonne of greenhouse pollution into the atmosphere. Most importantly, there is a set number of national greenhouse permits available and, correspondingly, a limit on the total amount of pollution permitted. The term 'trading' when applied to carbon emissions refers to companies' ability to buy and sell their greenhouse permits. This is why carbon trading is sometimes referred to as 'cap and trade'.

(a) Identify a negative externality mentioned in the article. (1 mark) (b) Define market failure (1 marks) - Refers to the washing to produce socially efficient outcomes. - occurs when one to an inefficient was of more or an orn production of production. (c) Explain the concept of externalities, both positive and negative. (3 marks) - An externality is the intended funitionaled consequence of performing an action.	g.au/articles/news.asp?news_id=1817_accessed 5/05/09
(b) Define market failure (1 marks) - Refers to the was the to produce socially effected outcomes. - occurs when due to an inefficient are of momen or an our producing outcome production. (c) Explain the concept of externalities, both positive and negative. (3 marks) - An externality is the intended funintended consequence of performing an action.	gative externality mentioned in the article. (1 mark)
- Refers to the materialy to produce socially efficient outcomes. - occurs when the ination of more of more or an our producing outer producing. (c) Explain the concept of externalities, both positive and negative. (3 marks) - An externality is the intended funintended consequence of performing an action.	x Pollution
production. (c) Explain the concept of externalities, both positive and negative. (3 marks) - An externality is the intended junintended consequence of performing an action.	failure (1 marks)
- An externatity is the intended junistended consequence of performing an action	
simply as our dery has por por for box milst	
extensity which surely will pay for Aurigh medical bills Polluted dir = increase chance of health problems. Anythe entendation cause an over-proclusion.	produce these for free. E.C. Ween-house gas pollution and is a go regarded very will pay for Aurigh medical billso Polluted dil = increase chance
- A positive externality can be put simply us freebies society burefils from for free. An example can be seen through characters. Society herefits from eclarated people on they can create examine growth. Positive externations causes an underproduction. -Both positive & regards externalities cause morted failure.	growth. Positive externatities causes as underproduction.



is due to firms not heaving to pury for lever pregame extendetry. An example of this
can be seen in forthoris, who Factories release pollution into the air, they are NOT soing
charged for this. Society pays for this negative extendity through maked bills, as pollution

for the negative extendition. The to more forther set of and for themes, NOT toping charged on

for the negative extendition, society operates set the and for themes, society alone not

need to pay or for the negative extendition, and instead factions requests than the required

it. If the firms is foctories our charged with retipination request extensitives (i.e. pollution)

than Society will operate at for and Qo, the sprimal level of throughour operating at

Qo and for means the negative extensition have been careful towards. Operating the society

currently operating at Qc and for a DNL occurs, as labelled on the graph.

Well done - !! excellet onsure!! The following table depicts the weekly demand and supply for wine in Western Australia:

	2	3	4	5
Price Per Bottle	Demand ('000s)	Supply ('000s)	Consumer Surplus	Producer Surplus
6.00	14	4		
7.00	13	5	<u> </u>	
8.00	12	6	-	
9.00	11	7	X	
10.00	10	8		
11.00	9	9		2
12.00	8	10		- /
13.00	7	12		- '
14.00	6	13	23.50	~
15.00	5	13	V113	

		-
, ,	What is the equilibrium price and quantity of wine?	0
(a)	What is the equilibrium is	

1 000 / (1 mark)

(b) Complete columns 4 and 5 in the table.

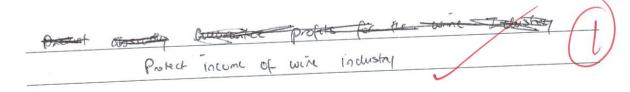
(2 marks)

(c)	i)	What is the total Consumer Surplus?	16 000 31
(0)	.,		•

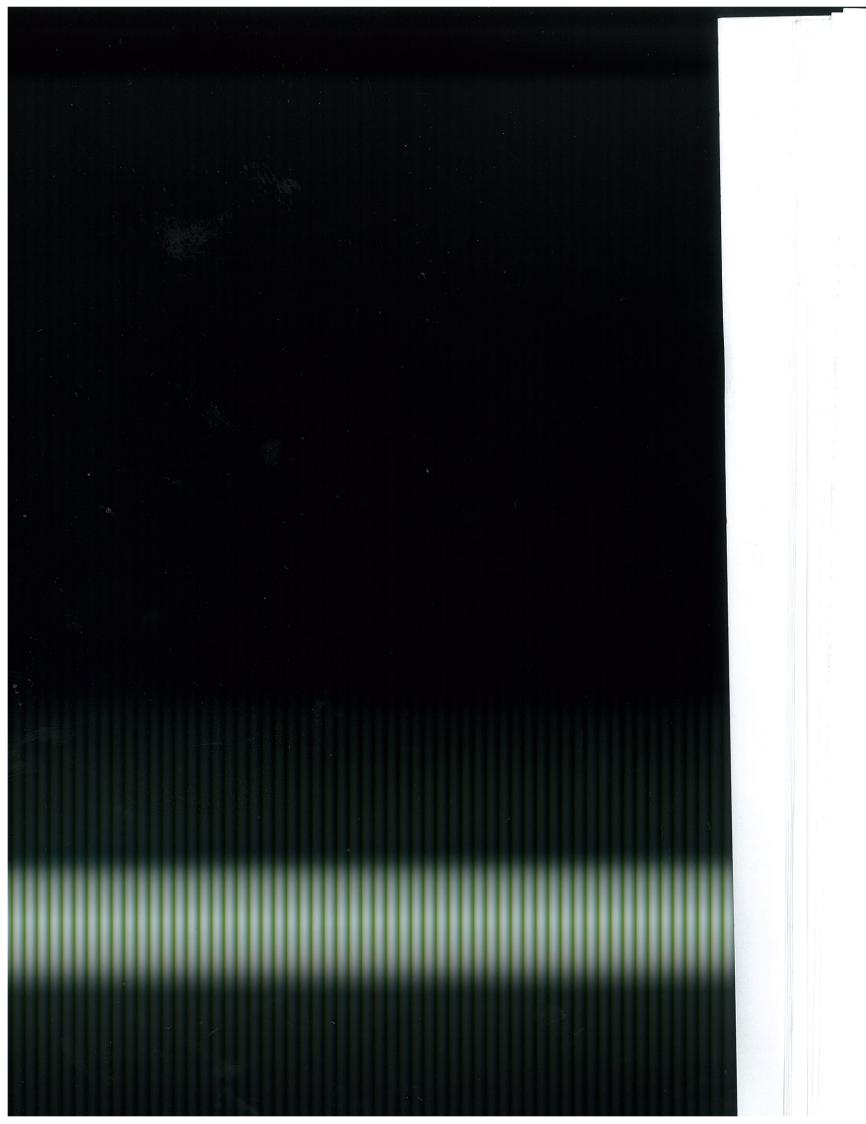
ii)	What is the total Producer Surplus?	22500	X	(1 mark)
11)	VVII at 15 tile total.			

The Government decides to impose a price floor for wine of \$13.00 per bottle.

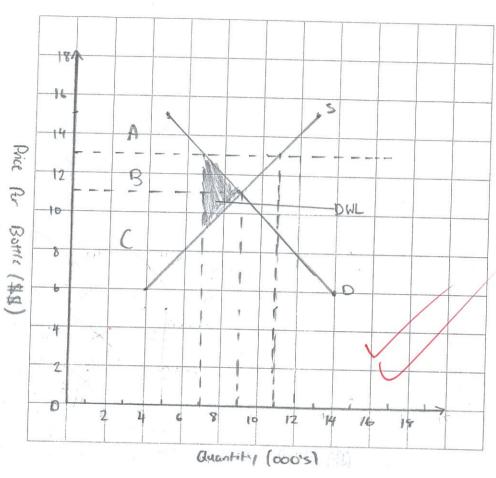
(d) Give a reason as to why the Government might impose this price floor. (1 mark)







(e) Use the grid below to illustrate the economic consequences of the decision to impose a price floor on wine. Discuss what you have drawn. (5 marks)



- The economic decision to create a price floor causes a
DWL as tabelled an he graph.
- Shifts awanty demanded from 2000 to 8000
- Consumer surplus decreases, it is now A
- Producer surplus increases, it now encompasses BEC
- The implemation of a price floor creates market failure.

suples amont

A) The equilibrium point can be defined as a point of unchanged of is where supply equals clemand and it is the optimal working point Market forces establish the equilibrium price for ears though the price mechanism. For example, if the price for cars is too law, then there will be a shortege in cars. If a shortage occurs consumes will begin bidding higher prices for the car, this causes piece to use and when price uses, supply expands. This will Occur until the equilibrium price. If there is a surplus in supply for cars, then this mans the price is too high and not enough will be sold. Anduces will then lover the price. lovering the price of a product expands demoved, mustin more cars will be perchased. This gradually were towards the equilibrium price and it how establishes the equilibrium price for cos cors. demand is when the entire demand curve shifts to the b) An increase 10/ curre for cars will cause the quartity demanded to shift change from P1 to P2/This means that ne proc many chan increase he equilibrium price for can and was An increase in demand causes the entire An expansion of demand for cars is the movement, up and down the closs not stuff of expansion of conve. It can be noted their clemand carre demand will occur if price decreases. Ance is the only fector terms of expansion and non-prie factors.

P1
P2
GI Q2
" if price for cours are to decrease from P, to P2, the demand for cons
will expand from a to Q2. This is due to the mourse relationship demand bear has
with price.
An increase in demand can occur if real income increases, adver the success
of endustrising comparigns, tastes and profesences, population and the price of substitutes
Thise factors can all cause and increase in elemend. An expansion of demend can
only occur through a change in price. If prices et are load for cars, then derend
for ears will expand. If the ase or successful advertising comparign was released for cars;
then the an increase of demand for cars will organ. If the other factors affecting
Olemand (lastes & prefernces, price of substitutes, population) change, than an inverce in demend
my be seen.
C) Price elasticity of demend refus to the responsioness of the demand cave
to a change in price. This knowledge of this is important for a fin
that sells cars as it allows from to manipular prices. For example, if can
on relatively inelastic, then the firm are able to morese the price of cars, due
to quantity demanded strill thing relatively the same when a product is relatively
inclusive, it means that a charge in puce is proportionally greater to a charge in
quantity. An example of price includicity can be seen in the graph below.
ent
- Proce Inclusheity of Demand.
ρι –
€2 e1

The model shows the theory of price inelasticity. Price changes proportionally	
more than quantity. Pr Shifts to P2 whist agshipts to Q3. It is quite evolut	
that price changes there their questity does tomos It is important to for a firm to	
that sells care to have knowledge of the impacts of price clasticity of denewd	
on their produces of to meximise profits. If their cars on relatively inclusive in	
humo of price & demand, then the firms can increase can the price. If the	
can are relatively clastic, then increasing price can cause profit loss. This is	
why it is important for fims to have unowledge on the impacts of price doching	
ef denord.	
Income elasticity repers to to change in quantity demanded for a product when	
income changes. It is important for a fine firm to understand this concept	6
in order to maximise profits. For example, the demand for Nissan R32's will	*
decrease when income real income increases. The com consumer may much ramin	
prefer to buy a brand new Mssan R35, as my can now enfford it. Income	
elasticity usua causes on devense in the number of inferior goods demanded and an	
increase in the demand for luxury goods. It is important for a firm that sells can	
to widerstand insome elasticity as they can use his undvedge to maximise people and	
adjust prices accordingly. Supply accordingly.	
1 5600	
out what are cars! Elastiz or inclustic!	
- inferior nomal	gover
- Contaglistic in	ester