



Examiners' Report January 2013

GCE Economics 6EC01 01

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Introduction

General Comment

There was a strong response to the January 2013 exam paper by the vast majority of candidates. This was demonstrated by many relevant and detailed answers. The paper also differentiated effectively between the quality of responses.

Section A: supported multiple choice questions

Most candidates found this method of testing highly accessible. The quality of responses varied enormously and a relatively high proportion achieved high marks of 28 or more. The best answered questions were Q1 (Positive and normative statements), Q2 (Production possibility frontier and economic growth) and Q4 (Price elasticity of demand and income elasticity of demand for air travel); the least successful answers were Q3 (Movement toward price equilibrium in a competitive market) and Q6 (Price elasticity of supply in the wheat market).

The key to success involved defining the main economic concept in the question (usually awarded 1 mark - but it could be up to 2 marks for two relevant economic concepts) and applying appropriate economic theory and analysis (usually awarded up to 2 marks). Annotation of the diagrams provided in any question is a good strategy, for example, Q3 (Market for maize) and Q7 (Market for vaccinations). In a similar vein, explicit use of the data in Q4 (Price elasticity of demand and income elasticity of demand) offered scope for candidates to gain marks. Other questions, such as Q6 (Price elasticity of supply of wheat) and Q8 (Buffer stocks) gave an opportunity for candidates to introduce diagrammatic analysis as a means of demonstrating their knowledge and application to the issues at hand.

A significant number of responses gained marks by eliminating incorrect options. Up to 3 marks were available for rejecting three incorrect options (providing that separate reasons were offered). However, mixed success was achieved here. It required candidates to explicitly state the option key being rejected and then to offer an appropriate explanation. Several examples of how to successfully eliminate incorrect options are provided in the report.

Note, it is perfectly acceptable to use a combination of techniques for securing the three explanation marks, for example, explaining the correct answer, diagrammatic analysis and eliminating one or more incorrect answers.

Section B: data response questions

Over half of the candidates selected Question 10 (The price of coal) and with a smaller amount opting for Q9 (North Atlantic fishing). Candidate performance was marginally higher in Q9 compared to Q10. Some interesting areas of the specification were covered, for example, Q9 gave candidates the opportunity to explore the meaning of a sustainable resource with reference to fish stocks in the North Atlantic. Q10 offered the opportunity for candidates to assess the benefits of a tradable pollution permit scheme.

Most responses offered some evaluative comments when required and so were credited with marks. However, some responses were less successful in developing economic analysis in the large mark base questions. This appeared to reflect a trend noted in the A2 exam papers. Despite this, the quality of written communication offered plenty of scope for candidates to develop their answers in a structured and coherent argument.

This question offered a gentle introduction to the exam paper. Candidates were required to distinguish between positive and normative statements with reference to the UK tax system. Three-quarters of all candidates achieved full marks.

Section A: Answer all the questions in this section You should spend 35 minutes on this section. Use the data to support your answers where relevant. You may annotate and include diagrams in your answers.		
Sta	atement 1: In the UK, a 50% tax rate applies on taxable earnings over £150 000 a year.	
Sta	Itement 2: The 50% tax rate is unfair to high income earners since it reduces their living standards.	
Which of the following best describes the two statements above? (1)		
A	Statement 1 is normative and statement 2 is positive	
В	Both statements are positive	
C	Statement 1 is positive and statement 2 is normative	
D	Both statements are normative	
	Answer	
	Sta Sta Wh A B	You should spend 35 minutes on this section. Use the data to support your answer relevant. You may annotate and include diagrams in your answers. Statement 1: In the UK, a 50% tax rate applies on taxable earnings over £150 000 a year. Statement 2: The 50% tax rate is unfair to high income earners since it reduces their living standards. Which of the following best describes the two statements above? A Statement 1 is normative and statement 2 is positive B Both statements are positive C Statement 1 is positive and statement 2 is normative D Both statements are normative

A positivil Statement is a factual statement which can be proved to be true or false with reference to the facts or specific data. It at event I is positive because it can be proved as to whether a 50% tax rate applies as taxable carried our £150,000 a year. A nominature statement is one which cannot be proved to be true or false as it is a value judgement. Statement 2 is remarked because the term 'unfair is a value judgement and cannot be proved to be proved to be the term 'unfair is a value judgement and cannot be proved to be mile or false with reference to the facets.



This answer achieved 4 out of 4 marks. Correct option C (1 mark).

The definitions of positive and normative statements (1+1 marks) were supported with relevant application to the information provided (1+1 marks). A maximum of 3 explanation marks is available.



Always refer to normative statements as those based on 'value judgements' which cannot be tested as true or false.

Section A: Answer all the questions in this section

You should spend 35 minutes on this section. Use the data to support your answers where relevant. You may annotate and include diagrams in your answers.

1 Statement 1: In the UK, a 50% tax rate applies on taxable earnings over £150 000 a year.

Statement 2: The 50% tax rate is unfair to high income earners since it reduces their living standards.

Which of the following best describes the two statements above?

(1)

- A Statement 1 is normative and statement 2 is positive
- **B** Both statements are positive
- C Statement 1 is positive and statement 2 is normative
- D Both statements are normative

Answer



Explanation

(3)

A positive Statement is a stament which can be Supported or refuted by evidence. Statement 1 is a fact therefore it is positive whereas

Statement 2 is a normative statement which

Supported by evidence as it is a value sudgement.



This answer achieved 3 out of 4 marks.

Correct option C (1 mark).

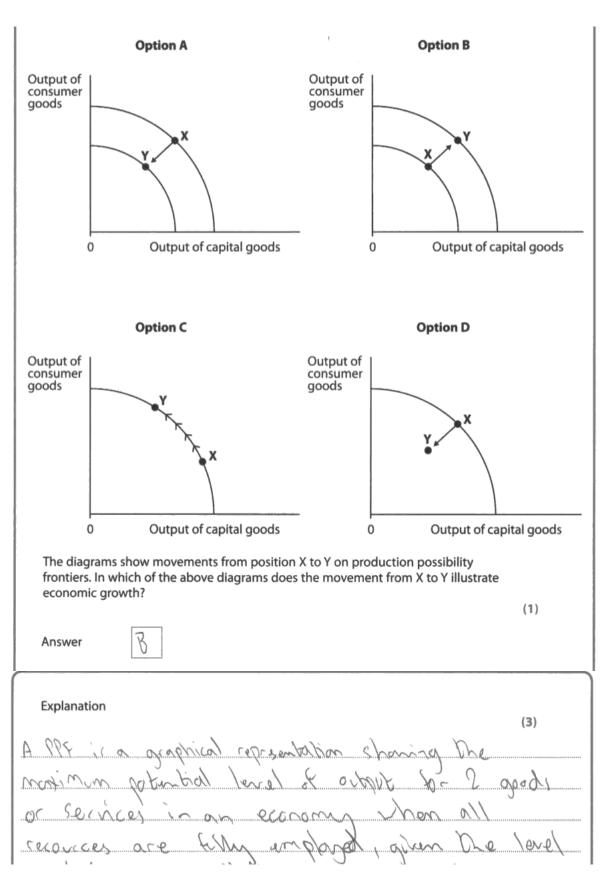
Explanation of positive and normative statements (1+1 marks). No explicit use of the information provided in the question.



Always use the information provided, for example, statement 2 is normative since it contains the word 'unfair'.

This question proved to be highly accessible and almost two-thirds of candidates achieved maximum marks.

This question proved to be highly accessible to the vast majority of candidates who achieved high marks.



De technologies available: Opportunition Costing

Socianore Economic available: Oppor



This answer achieved 4 out of 4 marks.

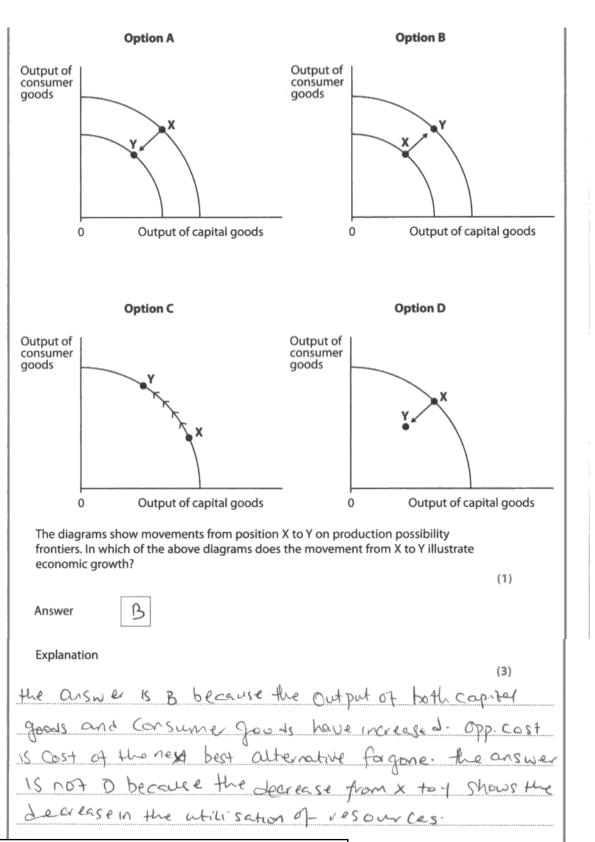
Correct option B (1 mark).

A definition of a production possibility frontier (1 mark) is supported with an explanation of what may cause an outward shift in such a curve - improved technology (1 mark).

Effective use of the rejection technique is offered to discount option D (1 mark). Note how the candidate adds value by indicating that at point Y there must be unemployment of resources.



Always state the option key being knocked-out when using the rejection technique so that the examiner can identify what you are trying to do.





This answer achieved 3 out of 4 marks.

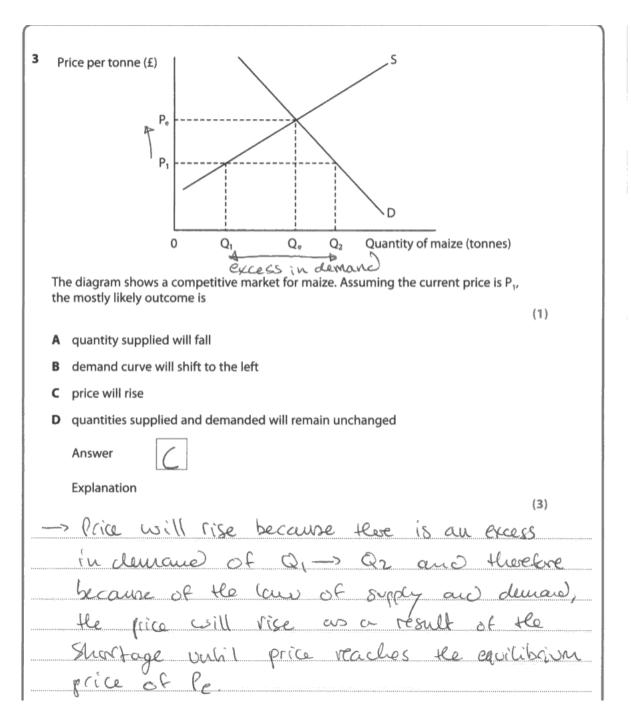
Correct option B (1 mark).

Identification that there has been economic growth since output of both capital and consumer goods increased (1 mark). Rejection of option D since there is a decrease in the utilisation of resources in moving from X to Y (1 mark).



Define the key concept(s) in the question, namely, production possibility frontier and economic growth. This candidate missed the opportunity of gaining full marks.

Just one-sixth of candidates achieved full marks. A significant number of candidates selected incorrect key 'A' and then proceeded to discuss the effects of a decrease in supply and price. Unfortunately, this type of response was not relevant to the question. It is important to carefully read the question instructions; it clearly states that the current price is at P1 in a competitive market and then asks candidates what is the most likely outcome. Relatively few candidates made the point that excess demand exists and so this is likely to put pressure on the price to rise towards market equilibrium.



-> A is wrong because as price rises to

Pe in the competitive market, the producers

will supply more in effort to increase revenue.

-> B is wrong because the demand have is

governed by price and shifts in D come are always non price.

(Total for Question 3 = 4 marks) related



This answer achieved 4 out of 4 marks.

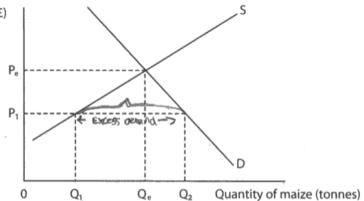
Correct response C (1 mark).

The candidate identifies an excess demand of Q1Q2 (1 mark) and then explains how the price mechanism will lead to a rise in price to market equilibrium Pe (1 mark). As the price rises so producers will supply more to increase revenue (1 mark). The latter point is put in the form of a rejection of option A - but either way it is worth a mark. Rejection of option B would also be credited with a mark here but full marks have already been achieved.



Always take time to carefully read the question. It is clear that the starting point is P1, where initially demand exceeds supply in the market and so it is in disequilibrium.

3 Price per tonne (£)



The diagram shows a competitive market for maize. Assuming the current price is P₁, the mostly likely outcome is

(1)

- A quantity supplied will fall
- B demand curve will shift to the left
- C price will rise
- D quantities supplied and demanded will remain unchanged

Answer



Explanation

(3)

Price will increase from P1 to PE, simply because at P1 there is
excess demand. This is illustrated in the group chagram above. If price increases
to Pe this issue will be resolved as we can see at Cthe new runper lead)
If the equilibrium point. The equilibrium point is where there is no temperature
to change price or output levels as in presence of excess or shormages
in demand and supply do not exist.



This answer achieved 3 out of 4 marks.

Correct option C (1 mark).

The response refers to price increasing from P1 to Pe because there is an excess demand (1+1 marks). This is shown in the diagram. To secure a further mark some explanation of the price mechanism is required, for example, supply extends and demand contracts as price rises.

Two-thirds of candidates secured full marks by defining the concepts of price and income elasticity of demand and then offering some application of the data on air travel. There were a variety of ways to secure the marks.

UK elasticities of demand for air travel (2011 estimates) Price elasticity of demand -0.6Income elasticity of demand +1.3(Source: Crown Copyright) It may be deduced from the data in the table that (1)A air travel is a normal good and demand for it is price inelastic a decrease in the price of air travel will increase total revenue air travel is an inferior good and demand for it is price elastic an increase in income will cause the price of air travel to fall Answer Explanation (3)Air travel can be seen as a normal as it has a positive Yed. This means increases demand increases also. The demand air travel can be seen as being inelastic as This means that %AQDLY, AP incorrect as if our travel was on an interior it would have a negative led



This answer achieved 4 out of 4 marks.

Correct option A (1 mark).

The answer begins with formulae for price elasticity of demand and income elasticity of demand (1+1 marks). Then data is used to explain that demand is price inelastic since it is -0.6, so the percentage change in demand is less than the percentage change in price (1 mark). For good measure the candidate then proceeds to reject option C (1 mark). Note a maximum of three explanation marks available.



It is acceptable to offer formulae as definitions of the different types of elasticity when answering supported multiple choice questions. However, do make sure the formulae are precise - all too often candidates miss out a letter or forget the '%' sign.

4

UK elasticities of demand for air travel (2011 estimates)

Price elasticity of demand	-0.6
Income elasticity of demand	+1.3

(Source: Crown Copyright)

It may be deduced from the data in the table that

(1)

- A air travel is a normal good and demand for it is price inelastic
- B a decrease in the price of air travel will increase total revenue
- C air travel is an inferior good and demand for it is price elastic
- D an increase in income will cause the price of air travel to fall

Answer



Explanation

(3)

Price elasticity of demand shows the responsiveness of demand for air navel to a change in its price. Income elasticity of demand shows the responsiveness of demand for air travel to a change in income. A coording to the data there is a positive elastic income elasticity for air travel. This means that a decrease in the price of air travel would cause annow increase in demand for air travel as it is an inferior good, moreover increasing total resence.



This answer achieved 2 out of 4 marks.

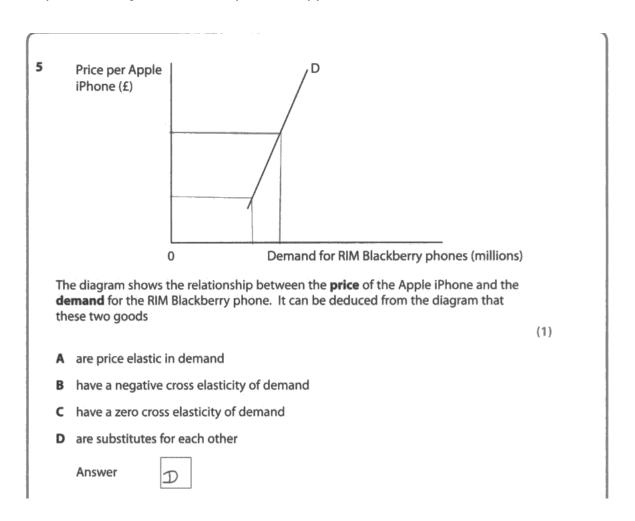
Incorrect option B (0 mark).

The candidate successfully defines price and income elasticity of demand (1+1 marks) but then becomes confused in the application to the data on air travel.



Practise answering the supported choice multiple questions with use of the data. Here, the candidate is unable to use the data and so the answer becomes confused.

Almost half of all candidates achieved full marks. This involved a definition of cross elasticity of demand, recognition that substitutes have a positive relationship followed by explicit application to the two types of mobile phones. A significant number of responses successfully offered rejection techniques to support their case.



(Total for Question 5 = 4 marks)

Cross elasticity of demand & the responsivers of a change in quantity demanded for blackberry phones due to a change in price for Iphones.

They are substitutes and therefore forhave a positive cross elasticity of demand.

As price of iphones increase, demand for blackberry rises cannot be B as complements have a negative cross elasticity.



This answer achieved 4 out of 4 marks.

Correct option D (1 mark).

A definition of cross elasticity of demand (1 mark) is supported with the idea that substitutes have a positive XED (1 mark); explicit application to iPhones and Blackberry phones is then made (1 mark). Finally, a simple but highly effective rejection of option B is carried out (1 mark). Note that a maximum of three explanation marks is available.



Always add value when offering a rejection comment. In this case the candidate clearly identifies that 'B' is incorrect since complementary goods have a negative cross elasticity of demand.

However, if the rejection was something like 'B is wrong since substitutes do not have a negative cross elasticity of demand' - then no mark would be awarded.

Price per Apple iPhone (£) Demand for RIM Blackberry phones (millions) The diagram shows the relationship between the price of the Apple iPhone and the demand for the RIM Blackberry phone. It can be deduced from the diagram that these two goods (1)A are price elastic in demand B have a negative cross elasticity of demand C have a zero cross elasticity of demand D are substitutes for each other Answer Explanation YED= %AQU (B)

A substitute is that good which can

be changed for another good due to (3) its price or Sushian, When the price of Apple iPhone increases the demand for RIM Blackberry increases. Cross elasticity of demand is the responsives of the change in demand of one good to the change in of onother.



This answer achieved 3 out of 4 marks Correct option D (1 mark).

The formula or definition of cross elasticity of demand (1 mark) is supported with application, namely, as the price of Apple iPhone increases the demand for RIM Blackberry increases (1 mark).



Always consider where the three explanation marks are coming from. In this case another point is required to gain full marks. Furthermore, there is no need to offer both the formula and definition of XED here since only one mark is available.

This was a question in which many candidates confused the determinants of price elasticity of supply with those of price elasticity of demand. Consequently, just a quarter of candidates gained full marks. Note that a 'high' elasticity means elastic and a 'low' elasticity means inelastic.

6 With reference to the reason provided, which of the following is most likely to have a high price elasticity of supply?	(1)
A IT Technicians, because there is a high demand for their services	
B New houses, because they take a long time to build	
C Wheat, because large stockpiles are available	
D Organic vegetables, because they have close substitutes	
Answer	
Explanation	(2)
Price elasticity of supply & A measure of the sensitivity	(E)
quantity supplied to a change in price.	
:/ change in quantity supplied of wheat);{}}
is crope to ap price of wheat.	

If the value is above one, this indicates th	al
they have an elastic price elasticity of supp	
ie a / change in price will cause a larg	~
/ Change in quantity supplied.	***************************************
	المحالا
A factor affecting this is the amount of	
available is if the price increases than sur	
can increase easily as the good is available in	lavge
condit quantities being stored, thus can be easily	released
in the market.	***************************************

Answer Bis wrong since, Low howes taking a long time to build will have an inclustic price elasticity of supply is a / change in price will cause a smaller / change in quantity supplied as even if price increases, howers can't be build + ready immediately thus are inclustic in supply.



This answer achieved 4 out of 4 marks

Correct option C (1 mark).

A definition of price elasticity of supply is supported with a clear explanation of the meaning of elastic supply (1+1 marks). Application to wheat is offered (if price increases, supply can increase easily due to the large quantities being stored that can be released on to the market) (1 mark).

Rejection of option B concerning the supply of new houses is offered with reference to the time period and price inelasticity (1 mark). Note a maximum of three explanation marks is available.



Offer some application to question at hand. The best responses recognised that large stockpiles of wheat mean the commodity can easily be released on to the market and so is price elastic in supply.

6 With reference to the reason provided, which of the following is most likely to have a high price elasticity of supply?

(1)

- A IT Technicians, because there is a high demand for their services
- B New houses, because they take a long time to build
- C Wheat, because large stockpiles are available
- D Organic vegetables, because they have close substitutes

Answer



Explanation

(3)

Price elasticity of supply is 010A QS

As there is a high demand per IT technicians

A is incorrect as it would have a law, inelastic PES.

As large stockpiles of wheat are available, the change in quantity supplied can be made immediatly after a change in price.



This answer achieved 3 out of 4 marks.

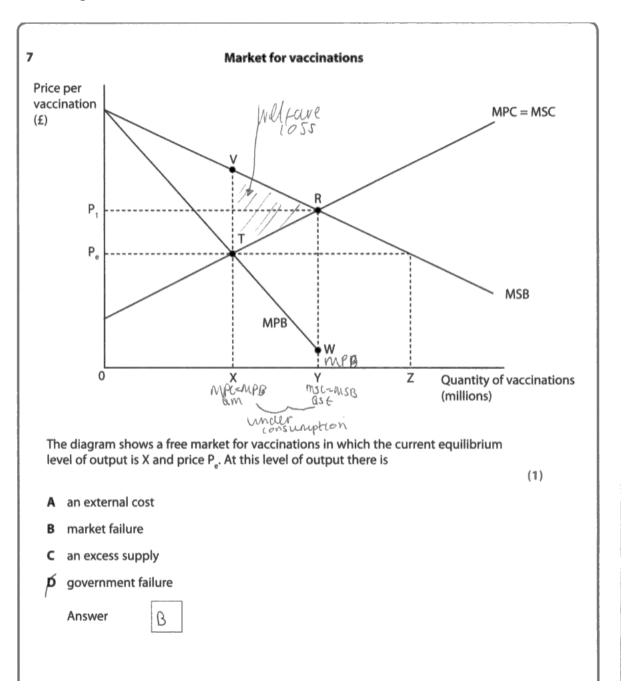
Correct option C (1 mark).

The formula of price elasticity of supply (1 mark) is supported with application to the large stockpile of wheat available (1 mark).



The attempt to reject option 'A' is too limited. The candidate needs to explain why IT technicians typically have a low elasticity of supply, namely, because of the long time required to train them up in the skills required.

This was a familiar question which offered candidates the opportunity to score marks by annotating the externality diagram provided. Common mistakes that many responses suffered from was to define external costs and discuss government failure - despite the question being concerned with external benefits from vaccinations and market failure. Furthermore, some candidates mislabelled the triangle of welfare gain or welfare loss as the triangle of 'externalities'. Less than a third secured full marks.



Market failure is where the price mechanism does not alliate resources efficiently. The market failure here is an underconsumption of a positive externality thus is an external benefit which is an advantage to the third part. I those not involved in the transaction and are not taken into account by the price mechanism. Vocamations are a positive externality as they present uliness' being passed on therefore by having a viccination you are benefitting the third party. It is incorrect as there is no government intervention as this magram is showing a gree market



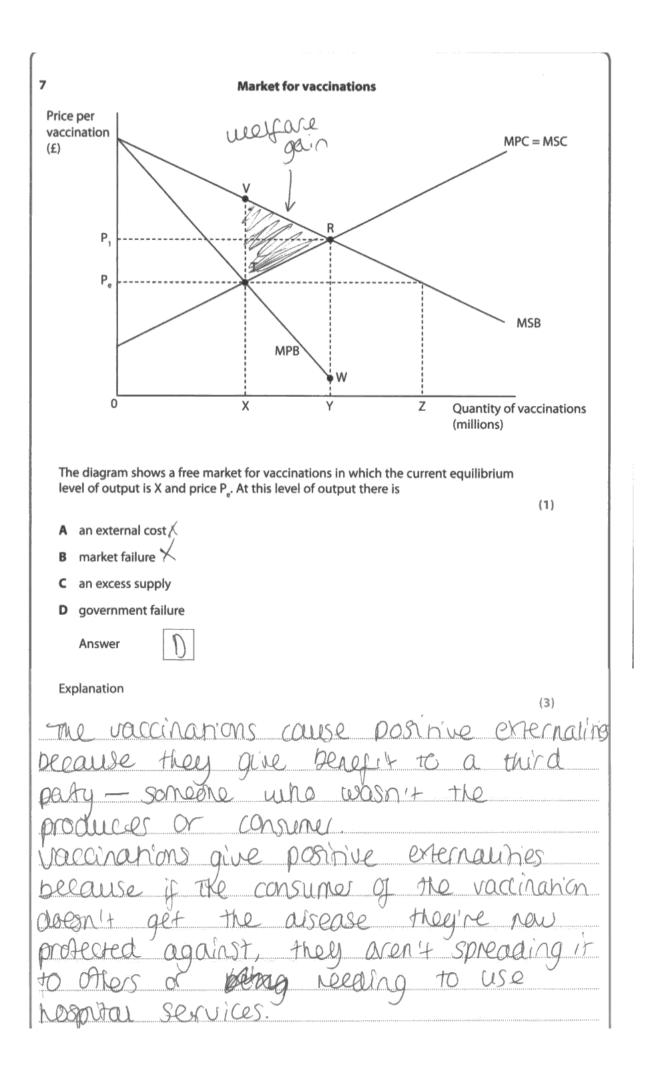
This answer achieved 4 out of 4 marks.

Correct option B (1 mark).

The definitions of market failure and external benefits secured 1+1 marks. The answer then outlines a typical external benefit from vaccinations (prevent illnesses being passed on) (1 mark). Rejection of option D is also accepted here (1 mark). Note a maximum of three explanation marks is available.



Always offer some application to the market at hand, for example, explain a typical external benefit from the vaccination market.



the quantity of vaccinations was X, it would present government failure because there are swen a small amount ox. vaccines that they do not benefit society only the consumer of the vaccination



This answer achieved 3 out of 4 marks.

Incorrect option D (0 mark).

A definition of positive externalities (1 mark) is supported with application to the vaccination market (1 mark). Annotation of the diagram to show the triangle of welfare loss also scores (1 mark).



Read the question carefully - it mentions a free market for vaccinations, so there is no government intervention and so no reason to select option D. The question is about market failure not government failure.

The quality of responses were significantly improved compared to previous attempts at answering questions on this topic. Almost half of candidates achieved full marks. The very best answers offered relevant diagrammatic analysis depicting the quantities of stock purchased and released onto the wheat market by an agency. The common mistakes included confusing the minimum and maximum price lines and also just repeating the correct key without adding value to the answer.

8	Th	e operation of a buffer stock scheme for wheat means that	(1)
1	Α	stocks are released onto the market when there is a surplus of wheat	
١.	_K B	the price of wheat cannot rise above the minimum price set	
4	C	stock levels are increased following a shortage of wheat	
	D	stocks are used to reduce price fluctuations of wheat	
		Answer	

A super stock show stock scheme is a form of government intervention to prevent market failure.

It is when the government sets a minimum and maximum pice for a good and if there is excess supply the government buys it up and keeps it in a stockple until there is supply shortage at the good then they will sell it. A is incorrect because when there is surpluse of wheat the government suys up the what and does not sell it. The awnser is not what and because following a wheat shortage stock piles flevels will of reduce due to having sold them in the wheat market. The awnser is not B secause the government sets a minimum and maximum price level minimum level as long as its selow the maximum price level as long as its selow the maximum



This answer achieved 4 out of 4 marks.

Correct response D (1 mark).

Identification of a maximum and minimum price band (1 mark) is linked to the government purchasing stock when there is an excess supply and adding to its stockpile, only to release it when there is a shortage (1+1 marks). Rejection marks would also be credited here.



A good example of how to reject option B is shown (1 mark). The other two rejection examples are also just about sufficiently developed to warrant marks.

8 The operation of a buffer stock scheme for wheat means that (1) A stocks are released onto the market when there is a surplus of wheat **B** the price of wheat cannot rise above the minimum price set C stock levels are increased following a shortage of wheat D stocks are used to reduce price fluctuations of wheat Answer Explanation (3) cei ling sells went once to my rest. a. antis pri ce floor price Via contiby 4



This answer achieved 4 out of 4 marks. Correct option D (1 mark).

This is a high quality answer showing how diagrammatic analysis can gain full marks! (The ceiling and floor prices / areas of agency spending / selling) (1+1+1 marks).



Be prepared to offer diagrammatic analysis. Marks are always awarded when relevant to the question set.

Question 9 (a)

Most candidates understood that mackerel fish stocks were being consumed at a rate that made them unsustainable. However, not many responses referred to sustainability in terms of a resource that would be available for future generations at current rates of consumption.

(a) With reference to Extract 1, outline the meaning of the term sustainable resource (line 5).

(4)

A SUSTAINCHOIC PSOURCE IS A RESOURCE

that can be used in such a way that
it will still be around for future

Generations to use. A sustainable
resource will not just run out the
world can keep it going for the future
generations. In this case macked the
NUMBER OF Macked that have been
caught have increased by 50%.

This increase is so high that it
may no longer be sustainable
because there are net enagh
fish to reproduce and replace
caught stacks.



This answer achieved 4 out of 4 marks.

The candidate explains the meaning of sustainable resource (the idea of consuming it at a rate which will ensure it is still available for future generations) (2 marks). Application is then offered to mackerel fishing where the rate of consumption exceeds the rate at which the fish can reproduce and so is no longer sustainable (2 marks). Good use is made of the extract information.



Follow the instructions in the question, that is, refer to Extract 1. This is required to gain the application marks available.

(a) With reference to Extract 1, outline the meaning of the term sustainable resource (line 5).

(4)

A Susfainable resource is resource that can be used from the cond in the far future. This means that I your are care full with the resource it.



This answer achieved 2 out of 4 marks.

The meaning of the term sustainable resource is explained but no reference is made to mackerel fishing.

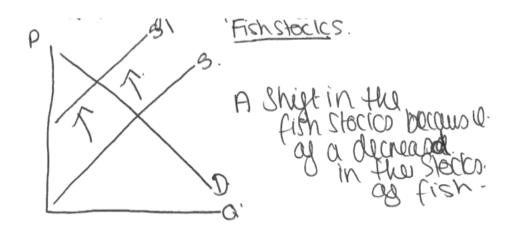


Make use of the information provided as instructed by the question. It is a way of gaining the application marks available.

Question 9 (b)

Most responses used global warming as one reason for declining fish stocks but failed to expand upon this sufficiently. Quite often the two reasons were bundled into one point which made it hard to distinguish between them. Relatively few answers offered diagrammatic analysis such as a decrease in supply or an increase in demand for fish.

(b) Using the information provided in Extract 1 and your own knowledge, explain two possible causes of the decrease in fish stocks over recent years. (6)





This answer achieved 6 out of 6 marks.

The first cause of the decrease in fish stocks is mismanagement by government (1 mark) which is developed by referring to the breakdown of the quota agreement and fish catches increasing by 50% - beyond the level of a sustainable resource (2 marks).

The second cause is global warming (1 mark) which is developed by explaining how the fish have migrated northwards into the path of countries over-fishing. It is rounded off with effective use of a demand and supply diagram (2 marks).



Be prepared to offer diagrammatic analysis when relevant.

(b) Using the information provided in Extract 1 and your own knowledge, explain **two** possible causes of the decrease in fish stocks over recent years.

(6)

fisher such as macharel to migrate north to

countries such as reclaimed. These countries are

then cotching more fish than agreed. They

cotch 150,000 tomos and the limit is loo,000 once

they have cought the fish they use it for things

et such as ferfilizer, mashing it this will decrease

there will

fish stocks because there will

to breed more a Also, Peu quota systems, thome

thom oner 3000 of fish cotches have to be a

Allowed to sell more than their allowances on they

will be fined. Most of these fish when thrond

back thory be dead and no use to anyone No

one else con cotch them and they cannot breed

to make more, cousing Stock likes to decrease.



This answer achieved 6 out of 6 marks.

The first cause of declining fish stocks is referred to as global warming (1 mark) which is developed to include the fish migrating northwards to countries exceeding their fish quotas and even using the fish as fertiliser (2 marks).

The second cause is the EU quota system (1 mark) which is developed to explain how 30% of fish catches are thrown back dead and cause the stock levels to decrease without any tangible benefit (2 marks).

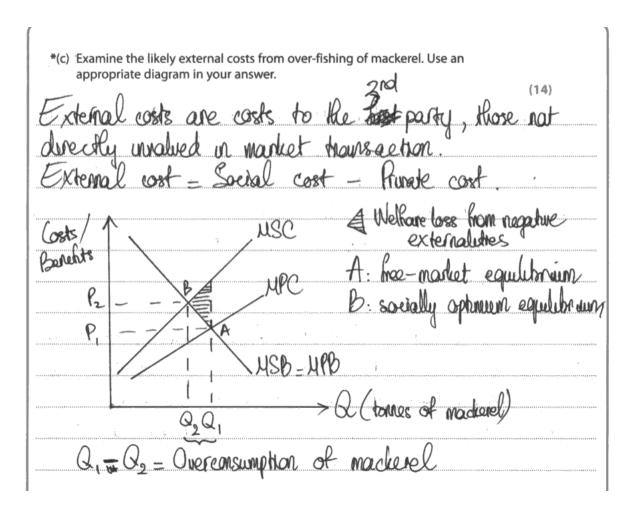


Always answer the question set and offer two causes of the decrease in fish stocks over recent years. Make these two points clear and then use the information and your own knowledge to develop them where possible.

Question 9 (c)

Over recent exam series there have been significant improvements to candidate answers that require an externality diagram. It was pleasing to see this trend continue in the current series with the external cost diagram applied to the context of mackerel fishing.

However, many candidates confused the external costs from over-fishing with private costs. Also, evaluation tended to be limited and responses often strayed from the question by discussing solutions to over-fishing such as fish farms. This was relevant to Q9(e) but not Q9(c).



Overfrehing of machanel has many external cost Firstly, the huture generations (3rd party) may not be able to high the mackerel to so it represents a loss in income and employment. They also cannot enjoy the taste of mackerel in terms of food one well as tos. Over-frehing also lose the balance of nature since if mackerel disappears, so do many links on in the bod chan which depend on them bia-diversity will be damaged, this servorsly affected the not tourism industry and scientists (researches (3rd party)

However fishing mackage may significantly bring many benefits to the society. There could be a huge source of income and employment for I colandic fishing industries. As supply of books mackage are plantiful in the market, price of mackage will foll, benefiting the low income howseholds; rodining income inequality thence, benefits may outweight the external cost.

However, the question of whether over-fishing generating thousever, with significant external cost, there will be government intervention to correct market faulure of over-consumption of mackenel Ex (not coteris parabus). The extract I suggests the government prevents all fishing in 30% of UK's correct waters and EU fish quotas means that fishing discussed to discuss fishermans may bace severe fines which may be used to fund subsidies to divelopment of fish farms and internalising external cost & reduce welfare loss.

However, there is asymmetric unformation—a mortest another market facture. It is very difficult to identify quantify and attach a monotrary value to external east such as negative unipoet on biodiversity since it is intangible. Hence, the agenerament and the El may had it hard to had the correct value of welfare loss truaagle



This answer achieved 12 out of 14 marks.

The extended definition of external costs (1+1 marks) is supported with relevant diagrammatic analysis (4 marks). The external costs from over-fishing is then explained in terms of the impact on the food chain and loss of bio-diversity (2 marks).

Evaluation is then offered by discussing possible benefits of over-fishing (2 marks) and the difficulty of quantifying and attaching a monetary value to the external costs involved (2 marks). It is a good answer which lacked one more evaluation point for example, discussion of the accuracy of the official data on fish stocks and fish catches.



Try and maintain relevance throughout and consider offering three evaluation points for 14 mark-base questions.

*(c) Examine the likely external costs from over-fishing of mackerel. Use an appropriate diagram in your answer. (14)price The main external MPC cost of overfishing of Mackerel is that it MSEMPB=D Make Mackery Quantity unsustainable resource. The market m will noturally produce at the point Q, as that's where MPC = MPB. However, as Mentioned in extract 2, this is likely to lead to the extinction of Mackerel. The best point to produce at for society is at Q. as that's where MSC=MS13. This Means that too much mackerel is being sished Government could the help to git this by putting a tax on the production of mackerel in order to reduce supply. They could also Start advertising campaigns in order to reduce demand for mackerel. As extract 2 suggests Government could also invest in trying to increase the number of gish arms. This would mean that less

will mackerel would have to be shed and would lead to a However, it is possible that sish sarms W. Quild Quantity Cause an increase in Q Fotal. However the externalities would not be reduced.



This answer achieved 4 out of 14 marks.

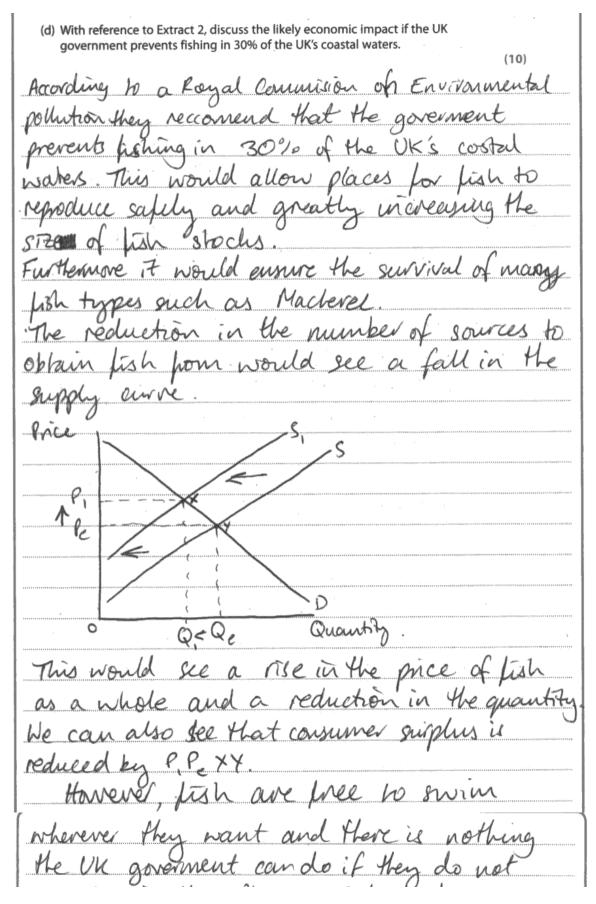
The answer starts with a promising diagram and this scores 3 marks (need to identify the area of welfare loss to gain the extra mark). The answer also implies that over fishing will mean mackerel stocks are unsustainable and so represent an external cost (1 mark). The rest of the answer then considers solutions to over-fishing, but unfortunately this is not relevant to the question set.



Focus on the question set. It is a good idea to read all five questions before starting to answer the first - since it offers a perspective on what is required overall. It is easier to focus on the question set rather than answer what is required elsewhere.

Question 9 (d)

Overall this question was well answered with many focusing on the potential benefits from the government preventing fishing in 30% of UK coastal waters. The best responses considered both the positive and negative economic effects over time.



The magnitude of the fishing prevention in 30% of the UK's costal waters is a significant proportion of the UK's waters.

This should see fish stocks increase rapidly.

There may be government failure in the sense flat due to the increase in price of fish, it may be worthwhile for some formen to illegally fish the banned areas to make extra morey. If this occurs these fish caught and perhaps not evade paying lax on the profits they make. It is likely black markets could occur. This could put the whole plan of protecting 30% of costal waters, at rish.

Also it lakes extra morey to methe sure

Also it lakes extra money to nache sure that no-one fishes in the restricted vaters. This money could be spent elsewhere such es on education/heatthcare (high benefits), so how an opportunity cost.



This answer achieved 10 out of 10 marks.

The candidate offers good economic analysis on the likely economic effects to achieve the full 6 KAA marks, for example, a decrease in fish catches, higher fish prices and a fall in consumer surplus - all supported by a relevant diagram (4 marks). By doing this it means fish stocks can recover in the long term, especially since some 30% of the waters are protected (2 marks).

Evaluation comes in the form of considering the problems raised by the fishing ban, namely that fish may swim into waters where there is no protection, the danger of illegal fishing and the costs involved in policing the waters. These ideas are sufficiently developed to award 2+2 marks. Overall it is a well balanced answer.



Offer economic analysis in your answer - it makes sense to use a demand and supply diagram to demonstrate the likely economic effects of such fishing restrictions.

(d) With reference to Extract 2, discuss the likely economic impact if the UK government prevents fishing in 30% of the UK's coastal waters. (10)Extract 2 it says that a Royal commission for on Environmental recommends that in 30% of the UK wastal waters fishing US prevented. This will as the extract says allow fish to reproduce safely this means posh will decrease causing a inise in price. As the below diagram illustrates. This also affects labour as people will out of a job as fishing unemployment. Meaning the government have to Chrough training for new jobs Training so that there is mobility of labour. It could also increase
the clemand to a other means such
as checken, as it is a substitute for
fish



This answer achieved 6 out of 10 marks

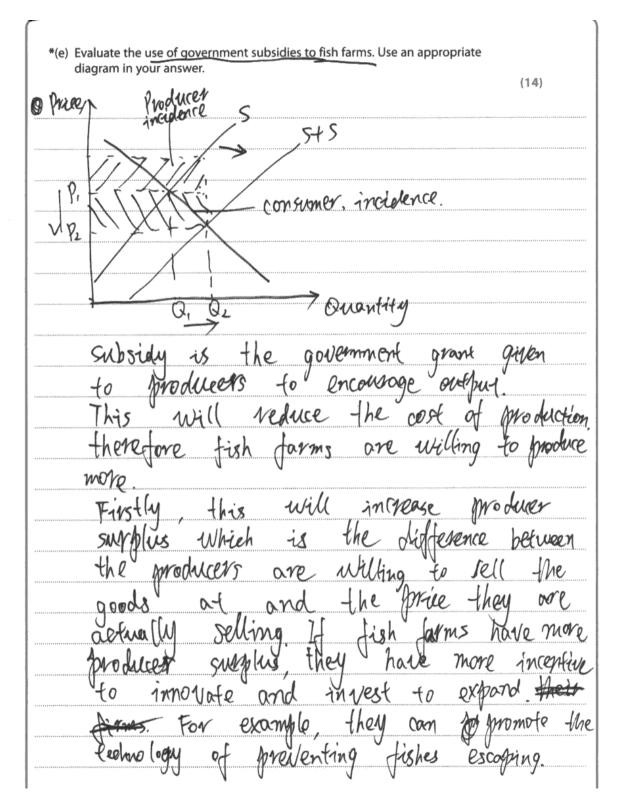
The candidate offers good economic analysis on the likely economic effects to achieve 6 marks, for example, a decrease in the supply of fish and an increase in price, supported by a relevant diagram (3 marks). Some recognition is made that fish can reproduce safely from protecting 30% of the coastal waters (1 mark). Attention is then drawn to the impact on jobs in the fishing industry (1 mark) and how it might lead to an increase in demand for substitutes such as meat and chicken (1 mark). The answer needs some evaluative comments on whether the fishing exclusion zone would work.



Consider both the positive and negative effects of government measures to develop a balanced approach to answers.

Question 9 (e)

This was well answered overall and most responses included a relevant subsidy diagram and evaluative comments. Considerable differentiation in the quality of answers occurred. The weakest responses drew the subsidy diagram incorrectly or made no attempt at offering one.



Second it can reduce unemployment
Since there are more fish forms,

They have to employ more promoters

This create a large number of job

Opportunities for fishers and formers in

Temote communities. At the same time, it relieved the pressure from wild fish stocks more broduction of fishes will suf prevent people over-fishing the fishes in the sea which protect the entinomment However fish farming does have its

chties For examagle diseases spread

Navidly in ottobalutated attempolated

overhounded fish farms and the local

will fish population can be contaminated.

It is very visky to and might

lead to banknypt Furthermore when large numbers as escape from farms,
these affects the overall gene 1000!
Therefore the food chain is destroyed
and the pool cannot maintain
Af the Same time the factes of
of fisher from fish farms might
be worse consumers will meter to buy the tishes from the sea.
Therefore the fish farming may not have known demand

Firstle At the same time, it takes time for fishes to grow up and the subsidy primposed on forms may not affect immediately & Government & can use the subsidy elsewhere for the education, which means there is a proviously cost



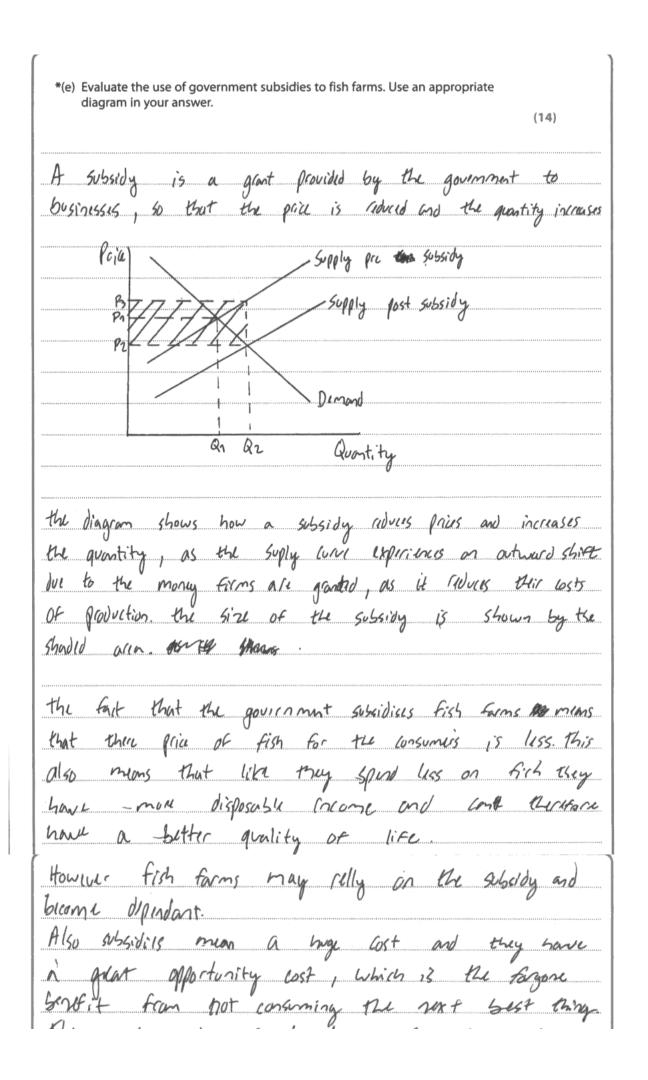
This answer achieved 14 out of 14 marks.

A definition of a subsidy (1 mark) is supported with a relevant diagram (3 marks) and explanation of how it acts to reduce production costs for fish farms (1 mark). The benefits are then considered, for example, it encourages more innovation and investment, the creation of employment in remote communities and the protection of wild fish stocks (4 marks). All 8 KAA marks are gained.

Evaluation comes in the form of discussing the possible impact on wild fish stocks and the gene pool if farmed fish escape (2 marks); also the quality and taste of farmed fish is discussed (2 marks); finally the issue of opportunity cost of the government subsidy to fish farms is developed (2 marks).



Always complete diagrams accurately. In this case the candidate has labelled most of the curves and axes correctly as well as highlighting the area of government subsidy and overall impact on price and quantity. The omission of labelling the demand curve could have cost the candidate a mark. In this case plenty of KAA marks have already been secured!



The govinnment spends larges amounts of surger on substitutes and therefore they can use that money in lowcostion or the beath service.

Also the money spent too substitute them fish forms may be diam away from other important sectors, such as education or buffer stock schemes.

On the other hand the substitute means more businesses and the external costs of diactly fishing from the sectors and the external costs of diactly fishing from the sectors and the external costs of diactly fishing from the sectors.



This answer achieved 10 out of 14 marks.

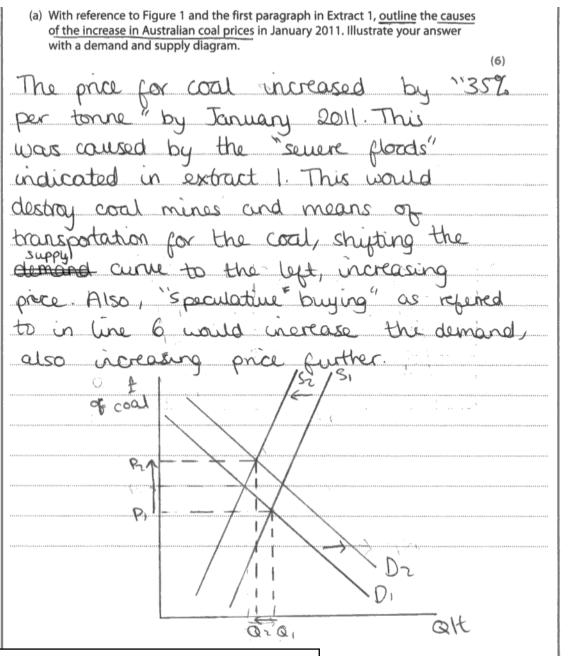
A definition of a subsidy (1 mark) is supported with a relevant diagram (3 marks) and explanation of how it acts to reduce production costs for fish farms (1 mark). Further analysis comes in the final paragraph where the subsidy might encourage more businesses to enter the industry and reduce the external costs of over fishing the wild stocks (2 marks). Evaluation marks are secured by brief reference to making fish farmers dependent on the subsidy (1 mark) and opportunity cost of the subsidy to government (2 marks).



Try and develop the points made. For example, the candidate could have gained more marks by developing the point about fish farmers becoming dependent on the subsidy. Exploration of how production costs could increase, productivity decrease and inefficiency set in comes to mind here.

Question 10 (a)

This is a frequently asked question that tests candidate knowledge, understanding and application of the price mechanism model from the extract information. It was pleasing to report that the vast majority of responses offered a suitable diagram and explanation. Nearly three-quarters achieved four or more marks out of the six marks available. The main limitation was in those answers which only shifted the supply curve and failed to shift the demand curve.





This answer achieved 6 out of 6 marks.

A fully labelled diagram depicts a decrease in supply and an increase in demand with the original and final new price equilibrium positions (4 marks). The reason for the decrease in supply (1 mark) and increase in demand (1 mark) is also offered. Finally, explicit use of the price data shown on the first two lines of the answer is undertaken (1 mark). Note a maximum of 6 marks is available.



Always label the axes and curves in diagrams. Make explicit use of the price data in Figure 1 as instructed.

(a) With reference to Figure 1 and the first paragraph in Extract 1, outline the causes of the increase in Australian coal prices in January 2011. Illustrate your answer with a demand and supply diagram. (6)Me price of wal has in creased up to 35%. Per tonne from November 2010 to Junuary 2011. As me chagram shows, an imwards Shift in me supply curve would Course an Inward increase in price and so a decrease in demand 02 61 Supply has decreased because of the floods which has. damaged many wal mines and he vailway links to transport it. We have also seen an inwards shift in me supply curve because me cost of production has increased as me p cost of pumping out me water and repairing me mines



would be very expensive.

This answer achieved 4 out of 6 marks.

Explicit reference to price data (1 mark) is supported with the reason for the decrease in supply (floods which has damaged coal mines and railway lines) (1 mark). The diagram gains 2 marks (the original demand and supply with original equilibrium price / a decrease in the supply curve).



Be prepared to spend sufficient time on the extract to explore whether there are further reasons for the change in price of a commodity. In this case, candidates are given help through the instruction to look at one specific paragraph!

Question 10 (b)

This question was poorly answered and explains why the overall average score for data response Q10 was slightly lower than for data response Q9.

The vast majority of responses incorrectly assumed that demand for coal is price inelastic if an increase in its price leads to the same level of total revenue. Consequently most candidates achieved just one mark for defining the concept price elasticity of demand.

(b) What does the evidence in the second paragraph of Extract 1 suggest about the price elasticity of demand for Australian coal? Explain your answer.

(4)

PED is the measure of responsiveness in quantity demanded when there is a Change in pace. This suggests that PED is unitary elastic.

Extract I says that de even though there is higher paces and reduced output the revenue of firms have remained the same. This suggest that PED is unitary elastic. This means that total revenue (lace x quantity of output)

Pi x remains the same. For example at BD, the revenue are at the pace terre! Pe = Pe y Oe O



This answer achieved 4 out of 4 marks.

A definition of price elasticity of demand (1 mark) is supported with identifying that it is unitary elastic since total revenue remains the same (1+1 marks).

A valid diagram is offered depicting equal total revenue areas following the price change (2 marks). Note a maximum of 4 marks is available.



Ensure a thorough understanding of the relationship between price elasticity of demand and total revenue. Be prepared to offer diagrammatic analysis to support your answer.

(b) What does the evidence in the second paragraph of Extract 1 suggest about the price elasticity of demand for Australian coal? Explain your answer.

(4)

The second paragraph of Edvad one clates that despike the high price and reduced of put their revenue has slayed the same. This suggests that the price elastricity of demand for Australian coal is unit elastic as change in their revenue and output has had no effect on their revenue generated:



This answer achieved 2 out of 4 marks.

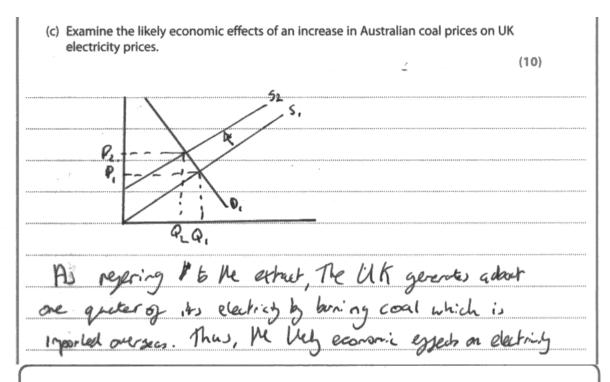
The candidate states that price elasticity of demand is unit elastic and so the change in price has no effect on total revenue (1+1 marks).



Be prepared to extend the answer, for example, by explaining the meaning of unit elastic demand (the percentage change in demand is the same as the percentage change in price).

Question 10 (c)

This was quite a challenging question since candidates were required to maintain focus on the impact of higher Australian coal prices on UK electricity prices. Many responses wandered away from the question by discussing the general effects of higher UK electricity prices on the economy. Since the question was very specific it made sense to combine the KAA and evaluation marks into a whole entity rather than breaking them down. This made it easier for candidates to score marks. Even so, the mean mark was still less than half the marks available.



prices is that they will increase as a increase in social will result in an increase in production costs por electricity providers. However, be cance electricity is a essential good service. We YFD is likely to be includic so electricly providers may firmit he abile to poss the setu costs on to the yearstween. On the other hard, electricly promotes my look electricity oversely in seach por deeper coal providers and thus, small the price of electricity may not whener. It is nell as thus, he price of coal may be relatively high in the tory short run but decrease in to the town run so the price of electricity may not raise the price of electricity may not raise the price on they are costs elsewhere; pronders may not raise the price on they are costs elsewhere; for example rechnologies or using projets from previous years to make up for the costs. Both the artism, provides the Uti

may met in the news of podning electricity, pr example wind every or remeable are the har short start, that only one granter of the control overess. It; when the have a drawnic eyest as they and sure and electrica or invest in other news of producty and is they seen to have done already. As the price of electricity provenes, a sometime are likely to book electrice provides with cheaper prices and this impose the north competitions, this does not apply to consumer of researche every.



This answer achieved 10 out of 10 marks.

The candidate starts with a data reference on the UK generating about a quarter of its electricity by importing coal from overseas. Then s/he considers the likely effects of higher coal prices (recognising it as a cost of production) to the electricity generating firms. This is supported with a diagram (3 marks).

Much economic analysis and evaluation is offered, for example, discussion of price elasticity of demand (2 marks), short run and long run differences in coal prices (1 mark), investment into alternative energy sources (1 mark), the possible use of coal from elsewhere rather than Australia (1 mark) and whether electricity firms could actually absorb the higher production costs or cut production costs elsewhere and so not change price (2 marks). There are clearly lots of relevant points made which maintain focus on UK electricity prices!

Note an attempt has been made to break down the individual marks too but often this approach loses the 'gestalt' or overview of the answer. Clearly, this response is of a high quality and merits full marks.



Read the question instructions carefully in order to maintain focus - namely, how an increase in Australian coal prices might affect UK electricity prices. Far too many responses wandered off the point and discussed the general effects of higher electricity prices on the UK economy.

(c) Examine the likely economic effects of an increase in Australian coal prices on UK electricity prices.

(10)

(a) is used to generate electricity in the UK. If coal prices increase, this cause an increase in the price of electricity as it will increase the production cost of electricity.

Price

(2) Que Quentity

An increase in production costs will cause an immed shift of the supply across. This causes the excellibrium price to increase from lets P.

The effects of electristy prices increasing in the UK costs be an increase in overell inflation, due to most businesses using electristy their production costs will increase and so places will rice

The magnitude of the increase in electricity prices depends on how much coal the Uk imposts from Austrailia. If most of the Uk's coal is from Austrailia than electricity prices will increase much more than if a lot of the coal comes from other countries. However, it does depend on how other countries coal prices are affected by Mudailian coal output

In the long run this increase in coal prices may not have such a large effect on electristy in the UK, as the levels of coal assilable are libely to increase again after the floods have cleared. In the short run however, prices are libely

to increase by a sizeable amount, especially as domand for electricity is pice inelastic, so produces can increase price and revenue. I think this is the most important factor in electricity prices increasing due to coal.



This answer achieved 8 out of 10 marks.

Higher coal prices will increase production costs for electricity firms and so lead to higher electricity prices - this is supported with a diagram (3 marks). Discussion of the amount of coal imported from Australia then made (2 marks).

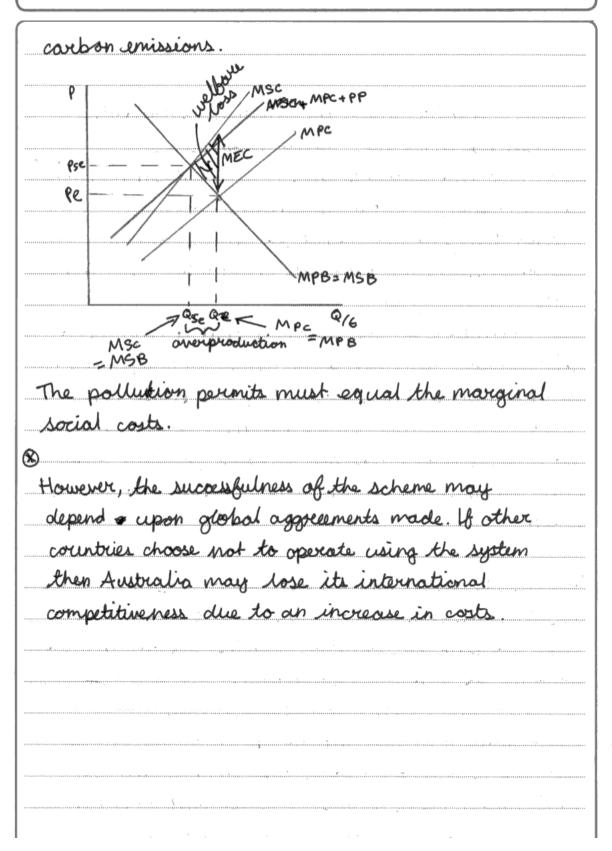
This is followed by discussion of possible short run and long run effects in the final paragraph (3 marks). The Australian floods may clear and so coal prices fall back to normal levels - suggesting electricity prices might not rise much at all. Also demand for electricity is price inelastic so firms can simply increase price and revenues.

Question 10 (d)

This was the first time a question had been set on tradable permits in the data response section of the paper. The quality of answers varied enormously from well-informed, coherent arguments that considered both the benefits and limitations, to very weak responses which had little idea of the meaning of tradable pollution permits. One common mistake was for candidates to misinterpret the question and concentrate on the benefits of a reduction in carbon emissions rather than the effectiveness of a system of tradable pollution permits to reduce carbon emissions. Many answers also offered an externality diagram but did not show the impact of such permits on the market.

*(d) With reference to Extract 2 and your own knowledge, assess the benefits of a system of tradable pollution permits for reducing carbon emissions. (14)Pollution permits reduce the negative externalities ons. This internalises the externalities by making from the government. Pollution permits are between hims. Those who produck less one are able to sell off their perm it Australia's beggest pol incentive to ait carbon emissions to make a , the system may not and reduce carbon emissions ns to benefit less from the scheme

Furthermore, it is difficult to calculate the amount of purmits needed to reach the socially efficient equilibrium. This is because it is difficult to put a monetary value on the external costs caused by



The government may use low revenue generated forom pollution permits to reduce the effect of carbon emissions e.g. increase spending on health care. Sufferers of an illness dise to carbon emissions can receive treatment.



This answer achieved 14 out of 14 marks.

The 8 KAA marks are gained by: data use from the extract of how important Australia is in terms of global emissions (1 mark), how the permits can internalise external costs of pollution (1 mark), explaining the benefits of tradable permits, for example, creation of a market with incentives for firms to reduce carbon emissions in order to sell their spare permits and make a profit (2 marks), diagrammatic analysis depicting a shift in marginal private costs towards marginal social costs (assuming firms have to pay for the permits) (2 marks), possible benefits to the government from selling some of the pollution permits (2 marks).

Evaluation is revealed in the discussion on the limitations, for example: problems calculating the amount of permits needed to reach a socially efficient equilibrium (2 marks), the possibility that firms with high profit margins can simply buy up spare permits rather than cut back on pollution (2 marks) and consideration of the scheme in relation to the absence of global agreements and its impact on Australian industry's competitiveness (2 marks).



For the 14 mark base questions, try and develop three evaluative comments.

*(d) With reference to Extract 2 and your own knowledge, assess the benefits of a system of tradable pollution permits for reducing carbon emissions.

(14)Tradable pollution permits were first introduced in europe. They give cortain amount or limites to the industries to pollute the environment and if they need more they can buy from other companies who might have Surplus or unused permite. so it uses market mechanism internalise the external cost of producing the good, and the funds raised buy governments buy selling the permits could be used to cure the environment or compensant vitime. Due the limitation of in polluting the enuronment firms are encorage to introduce new ways and techiques which will help them not to exceed their limite and buy orpother permits. TPP schome is a flexible scheme created in way that business can be easily adjusted with like To they are able to bank their excess permits and use later, so bus it consider baciness However, Calculating pollution or damage to environment is an en inexact Science so it is difficult to monitor the Scistem and involver a great administration cost Also the argument of issuing too much

permites even hos rose in europe before.

In aust In & Australia the companies

receives 94.5% Corbon permits which

might not have great impact on the

carbon emission and to invest in clean techanology. The problem is further warsen by the Australian government subsidising other 5.57. So their won't be any much change or investments in clean techonology The subsidy could be used Somewhere elester even; As we all know their are other countries who exports coal to provored market and they do not have this scheme which means the cost of production of Australian firms will be higher then other and the prices too. So the demand will eventually decrease and a Australian government will face problems with employments. Even it is stated in extract 2 that 40000 Tobs are directly is at rick and further 100,000 indirectly.

ResultsPlus

Examiner Comments

This answer achieved 14 out of 14 marks.

Another high quality answer where all 8 KAA marks are just about gained: an explanation of carbon permits (2 marks) is supported with advantages such as internalising external costs through the funds raised by government being used to clean up or pay compensation to victims (2 marks); an incentive for firms to reduce their pollution and use new techniques in production - moreover, firms can bank their excess permits for use later and it is a highly flexible scheme (up to 4 marks).

The evaluation is very good and comes in the form of problems in monitoring the pollution emissions (2 marks), issues surrounding the granting of 94.5% of permits free to firms (2 marks) and the possibility that Australian firms may become less competitive since it is not a global scheme (2 marks).



Try and extend the economic analysis in large mark base questions - all too often it is too brief and lacking in points. This response only just scrapes the 8 KAA marks. Discussion of how the scheme could be extended to countries in South east Asia or how dirty polluting firms are put at a competitive disadvantage compared to cleaner firms would have helped here.

Question 10 (e)

This was another question which differentiated effectively in the quality of answers. They ranged from a sophisticated analysis and evaluation of government training programmes and relocation subsidies through to very basic answers which just repeated points in the extract. One fairly common mistake involved confusing mobility with immobility of labour. Another common error involved discussing mobility of labour with no reference to coal mining.

*(e) Discuss two possible government measures to improve the mobility of labour in the coal mining industry. (14)Labour comes for Occupational mnobility means that required skill set and Human not in location as the Government training programmes would mean that occupational mobility of This is because Human improve Because the skills of the coal transferrable to other industries, to opportunity cost / education. heal thouse production 0 beneficial, so jobs that be the onentation of the reduce training need to provide skills that are

appropriate for the level of the uniters, for example medical courter may not be appropriate Increasing occupational mobility of Labour would be pointless however if there are no other jobs auaitable. Relocation subsidies would mean that worters would be able to move to where the jobs are present, reducing the Geographic immobility of Labour Housing subsidies may be appropriate: Price S subsidy p3 PB CB Q2 quantity Total government expendature is area P2 P3 AB. Price is reduced from PI to P2, meaning there is an mentive to move to where jobs are available, increasing geographical Mebility of Labour. These subsidies from the government however have an apportunity cost, because there will be less government expendature on healthcare / educato

Workers may not went to relocate because of family and friends in the area they currently are in This would mean it would be more effective to increase occupational mobility of labour. Subsidies may assi more for housing than training programs.

Increasing occupational mobility of labour may also have positive macro economic effect, because the skill could be used to increase net society welfere.



This answer achieved 14 out of 14 marks.

Definitions of occupational and geographical immobility of labour are initially made (1+1 marks). An explanation of Government training programmes to increase occupational mobility of labour is then developed (with reference to skills in coal mining not being transferable) (2 marks). This is followed by several evaluative comments concerning opportunity cost, their suitability for coal miners and whether there are jobs available on completion (5 marks)

On the second page the focus switches to relocation subsidies as a measure to increase geographical mobility of labour. Housing subsidies are investigated with the use of a diagram and how they work (1+3 marks). Evaluation is then undertaken by suggesting that workers may not want to relocate because of family and friends (1 mark).

Overall, the answer just about warrants full marks.



Be prepared to apply to the context. This candidate is quite lucid in exploring the effectiveness of training programmes for coal miners.

*(e) Discuss **two** possible government measures to **improve** the mobility of labour in the coal mining industry.

(14)

Labour marbility is the easy it is to move from one job to another model to copy our so event rendent of occupational and geographical. Occupational is now easy it is for workers to move from one kype of occupation another, this is mainly down to the range of anill me person has Occuptional immobile workers would cira it hard to move from one place to another because may lack skills Geographical immobility is where workers are whalsto to move from and region to another for a job, his may be due to family ties, income etc. Labour in manility may be improved by providing training programmes. Training programmes holp cool minors who may become unemployed goin more suill to enough them to charge jobs holping improve mair occupational mobility. Because cool minors are normally specialised mey any have a specific amount of shills to fix their current jobs. Coas mining might have a division of ab signed of an popinion is divided up so people do cortain jobs, this can be domothabing and competitive, however it can get the job done quicker making the worryarce were productive. Training courses will allow wour of chine gram goldness steeps or craim was man to have get over jobs by making them

loss specialised. The government could also subsidio give relocation subsidies. A subsidy is a grant given by the government to increase production or consumption of a good or sorvice. Relocation subsidies will help improve the mobility of tabour bocause it will give money to help the unemplayed or mose reading to more from one proce womprace to another be able to afford to move This will increase mair geographical mability at may can more with our point having having less money concerns. Because our minors aren't at on high incomes moning rocation (to a different region) for a job might not be possible because they might not be able to afford it and with therefore too in geographically immosaio. The subsidip will help them be able to appara to relocate in order to get anokner job. nowever training causes will cost the government a lot of maney. The opportunity cost live sacrifica of the next box alternative) may be high because me amount of government revenue paid by tax payers if spont on training courses it doesn't allow friem to spend know an other things such as education or beauticare. There is also an apportunity cost for substituting to relicate workers the money spent on them wont the able to be sport on awas things. Here Here Miso will me

subsidy and trains training courses benefit the economy? With the emount of training may not be enough for the worker to be able to work in about places as it may cause government failure because the shills howen't allowed than to get new jobs place the sides howen't was subsider may not velocate because it might not be enough for those on the course income. The subsider may not encourage people to relocate because they might have family ties in know current location which may prevent them to make if this is common and not having able to relocate is common the two productivity of the economy may docrease must and possibly more people securing kenefits.



This answer achieved 12 out of 14 marks.

Up to 6 KAA marks are gained by explaining occupational and geographical mobility of labour and the use of training programmes and relocation subsidies to improve them.

The maximum 6 evaluation marks are gained by discussing the opportunity cost to the government of the training programmes, their quality, the size of relocation subsidies and whether they could compensate for people leaving family and friends behind.



The quality of written communication is taken into account on the high mark base questions that have an asterisk. It is very important to use good written communication and presentation. This includes making use of paragraphs to make it easier to digest the analysis and argument. In this case the candidate could have broken up the answer better.

Paper Summary

Based on their performance on this paper, candidates are offered the following advice:

Section A: supported multiple choice

- Define accurately the key economic term used in each question.
- Be prepared to annotate the diagrams presented in the questions.
- Be prepared to draw diagrams when relevant to the question and make sure these are properly labelled and explained in the text.
- Always refer to the information provided, for example, price and income elasticity of demand figures. This helps to credit responses with application marks.
- Revise thoroughly the topic of market failure, especially positive and negative externalities. This is an area where candidates often struggle to achieve high marks.
- Make sure value is added to answers which use the rejection method. There is no point
 in simply stating that a particular option is incorrect without explaining why this is the
 case.

Section B: data response

- Read the question instructions very carefully to make sure your answer remains relevant throughout. All too often candidate answers strayed from the questions set as revealed in Q9(c) on rising UK electricity prices and Q10(c) concerning the external costs from over-fishing of mackerel.
- Focus on developing economic analysis in the high mark base questions. Quite often candidates moved from definitions and a brief explanation of an economic issue straight into evaluation. This was evident in Q9(e) on government subsidies to fish farms and Q10(e) government measures to increase the mobility of labour. Economic analysis typically involves explaining the sequence of events leading up to a particular outcome.

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