

Mark Scheme (Results)

Summer 2016

Pearson Edexcel International Advanced Subsidiary in Economics (WEC03) Paper 01 Business Behaviour





Edexcel and BTEC Qualifications

Edexcel and BTEC qualifications are awarded by Pearson, the UK's largest awarding body. We provide a wide range of qualifications including academic, vocational, occupational and specific programmes for employers. For further information visit our qualifications websites at <u>www.edexcel.com</u> or <u>www.btec.co.uk</u>. Alternatively, you can get in touch with us using the details on our contact us page at <u>www.edexcel.com/contactus</u>.

Pearson: helping people progress, everywhere

Pearson aspires to be the world's leading learning company. Our aim is to help everyone progress in their lives through education. We believe in every kind of learning, for all kinds of people, wherever they are in the world. We've been involved in education for over 150 years, and by working across 70 countries, in 100 languages, we have built an international reputation for our commitment to high standards and raising achievement through innovation in education. Find out more about how we can help you and your students at: www.pearson.com/uk

Summer 2016 Publications Code xxxxxxx* All the material in this publication is copyright © Pearson Education Ltd 2016



General Marking Guidance

• All candidates must receive the same treatment. Examiners must mark the first candidate in exactly the same way as they mark the last.

• Mark schemes should be applied positively. Candidates must be rewarded for what they have shown they can do rather than penalised for omissions.

• Examiners should mark according to the mark scheme not according to their perception of where the grade boundaries may lie.

• There is no ceiling on achievement. All marks on the mark scheme should be used appropriately.

• All the marks on the mark scheme are designed to be awarded. Examiners should always award full marks if deserved, i.e. if the answer matches the mark scheme. Examiners should also be prepared to award zero marks if the candidate's response is not worthy of credit according to the mark scheme.

• Where some judgement is required, mark schemes will provide the principles by which marks will be awarded and exemplification may be limited.

• When examiners are in doubt regarding the application of the mark scheme to a candidate's response, the team leader must be consulted.

• Crossed out work should be marked UNLESS the candidate has replaced it with an alternative response.



Section A: Essay questions

NB: Use levels based mark scheme (20 marks) to mark this section.

Question Number	Answer	Mark
-	 Answer Indicative content Meanings of: Small businesses – may be based on market share, value of capital, annual revenue, number of employees etc. Finance – money used for further investment in the business Access to finance is limited because of: relatively small amount of retained profits banking sector may be less willing to lend – small firms perceived as higher risk due to lower value of assets small firms will have little or no opportunity to raise share capital on the open market (stock exchange) as not a PLC finance markets may be fragmented particularly in developing countries Other factors which constrain business growth The objectives of the owners/managers Owner(s) may prefer to remain within a market niche, offering personal customer service Lack of managerial skills The size and composition of the market Many other firms competing in the market Lack of scope for growth within the market Lacalised market, niche etc. 	Mark



•	 The macroeconomic climate Slow growth or recession in the economy Low effective demand, low consumer purchasing power Future uncertainty in the economy – economic, political etc. High interest rates High inflation rates High unemployment rates 	
•	High legal and administration costs, government bureaucracy, cuts on government spending etc.	
•	Lack of availability of skilled labour	
Evalu	uation:	
•	Difficult to assess whether access to finance is the most important constraint.	
•	Business objectives likely to be a prime factor – depends on whether small business owner wants the business to grow or not	
•	In the short run, macroeconomic factors may be a key factor – economic growth forecasts, predictions for other economic indicators	
•	Government policy towards small businesses may play a vital role in promoting small businesses – financial benefits, tax concessions, help & advice, pressure on banking sector to encourage small business growth	
		(20



Question Number	Answer	Mark
2	 Indicative content Definition of TNC - A company that has its facilities and other assets in at least one country other than its home country Possible advantages include: Access to more markets overseas Stronger brand recognition leading to increased 	
	 Insufficient demand in the domestic economy – reached saturation point – scope for greater sales and profits 	
	 More scope for economies of scale e.g. cost savings on R&D, transport economies, risk- bearing economies 	
	 Greater market power Greater market power Take advantage of low-cost locations - labour costs, rent, land etc. leading to increased profit margins Gain a better understanding of markets, technology standards and policies in other countries To avoid trade barriers 	
	 Financial support may be available from overseas governments and other agencies to attract FDI Opportunity to obtain foreign currencies - gain interest, use in future transactions Major strategic decision - potentially positive impact on sales and profits and long term success 	
	 Company may already be exporting, hence risks are lessened. 	

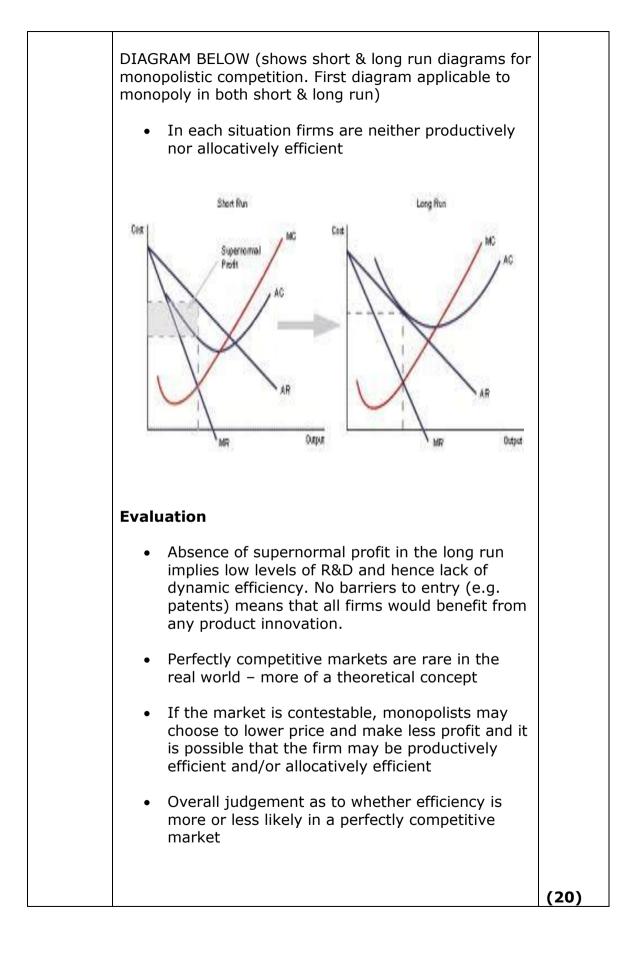


 Evaluation High capital costs Unfamiliarity with overseas markets/economies – laws, customs, tastes etc. May be risky Potential diseconomies of scale – co-ordination and communication issues Distinction between short and long run (benefits usually gained in the long run in relation to FDI) May meet with opposition from consumers, pressure groups and governments abroad 	
	(20)



Question Number	Answer	Mark
3	 Indicative content Definitions of efficiency – productive (lowest point of AC), allocative (p=MC) and dynamic (technical) Definition of perfect competition – conditions of model – large number of buyers & sellers, perfect information, identical product, no barriers to entry & exit As a consequence, firms are price takers – hence perfectly elastic demand Use of diagrams to show price and output levels for a firm in a perfectly competitive market. Allocative and productive efficiency in the short run and long run using diagrams as shown below. 	
	Price The INDUSTRY is the Revenue The SINGLE FIRM is MC a price taker HOMAL profits only in the LONG HUM ATC AR = MIR	
	 Diagram of firm shows that, in the short run, the supra normal firm achieves allocative but not productive efficiency. In the long run all firms achieve both productive and allocative efficiency and make normal profit Comparison with monopoly/monopolistic competition (or possibly oligopoly) 	
	Definition of the selected market structure	







Question	Answer	Mark
Number 4	Indicative content	
	 Forms of government intervention to protect the interests of employees may include: Minimum wage legislation Equal opportunity laws – equal pay, anti-discrimination Employment rights – part-time employees' rights, maternity & paternity leave, holiday entitlements, redundancy etc. Health & safety laws and regulations 	
	 Pressure groups may include: Trade unions -bargaining over pay and working conditions Fairtrade Foundation – exposure of low wages & conditions for producers Charity-based organisations such as Oxfam & Christian Aid – campaigning for equal rights and fair pay. Exposure of child labour 	
	 Impact on business behaviour: Business objectives may alter - more emphasis on social responsibility In relation to legislation, businesses will need to conform with the law - may involve having to make adjustments/changes to current employment practices - e.g. rights for disabled workers, recruitment processes, changes to safety procedures, increase in wage rates Any of the above, plus pressure group activity, may lead to increased costs for businesses Impact of rising costs may be: businesses raise prices substitute capital for labour reduce profit margins relocate to lower cost economies May be a rise in business corruption, unofficial business activity to avoid tougher laws 	



Evaluation
 Reputation of the business may be enhanced for those businesses which conform with the legislation and demand does not fall despite higher prices
 Legislation applies to competitors as well, so may be no loss of market share
 Depends on the extent of the change required – for some businesses the impact may be slight
 Rising costs may be offset by a rise in labour productivity due to improved pay/conditions/employment opportunities. Hence little or no rise in unit labour costs
 Depends on the power of trades unions in relation to employer organisations
 Depends on the influence of pressure group activities
 Depends on the extent to which laws and regulations are being enforced by the government
Short term/long term impact on business behaviour (20)



Sec	Section A Questions: Performance Criteria for Mark base 20			
Level 0	0	No rewardable material		
Level 1	1-4	 Displays knowledge presented as facts without awareness of other viewpoints Demonstrates limited understanding with little or no analysis Attempts at selecting and applying different economic ideas are unsuccessful Material presented is often irrelevant and lacks organisation. Frequent punctuation and/or grammar errors are likely to be present and the writing is generally unclear. 		
Level 2	5-8	 Displays elementary knowledge of well learnt economic facts showing a generalised understanding together with limited analysis i.e. identification of points or a very limited discussion Displays a limited ability to select and apply different economic ideas Material presented has a basic relevance but lacks organisation, but is generally comprehensible. Frequent punctuation and/or grammar errors are likely to be present which affects the clarity and coherence of the writing overall. 		
Level 3	9-12	 Displays knowledge and understanding of economic principles, concepts and theories as well as some analysis of issues i.e. answer might lack sufficient breadth and depth to be worthy of a higher mark Shows some ability to apply economic ideas and relate them to economic problems Employs different approaches to reach conclusions Material is presented with some relevance but there are likely to be passages which lack proper organisation. Punctuation and/or grammar errors are likely to be present which affect the clarity and coherence. 		
Level 4	13-16	 Displays a good knowledge of economic principles, concepts and theories together with an analysis of the issues involved Demonstrates an ability to select and apply economic ideas and to relate them to economic problems Evidence of some evaluation of alternative approaches leading to conclusions Material is presented in a generally relevant and logical way, but this may not be sustained throughout. Some punctuation and/or grammar errors may be found which cause some passages to lack clarity or coherence. 		



Level 5	17-20	 Displays a wide range of knowledge of economic principles, concepts and theories together with a rigorous analysis of issues Demonstrates an outstanding ability to select and apply economic ideas to economic problems Evaluation is well balanced and critical leading to valid conclusions Material is presented in a relevant and logical way. Some punctuation and/or grammar errors may be found, but the writing has overall clarity and
		coherence.



Section B: Data response

Question Number	Answer	Mark
5 (a)	Knowledge and Application (up to 4 marks)	
	Knowledge – up to 2 marks Define loss – TC greater than TR (2) Where sales revenue is insufficient to cover both fixed and variable costs (2) Any other valid definition (2) Application – up to 2 marks. Reason (1) + development (1) Lack of demand (1) due to competition (1) Rising variable costs (1) – if no compensating rise in revenue, loss has occurred (1) Rising wages based on years of service (1) Sony may have experienced rising fixed costs (1) – due to over-expansion for example (1) Sales target for smartphones cut by 14% (1) If similar sales cut across the company, then loss is likely (1) Any other valid response – up to 2 marks	(4)



Question		Mark
Number		Mark
5 (b)		(12)
Knowledge	e, application and analysis – indicative content	1
	 Expected reduction in smartphone sales of approx. 14% Overall loss expected of approx. US\$486 million Drop in smartphone sales will cover variable, but not fixed cost - makes a contribution towards fixed costs An accurate diagram will include shift in revenue curves and show potential change in profit (loss) for Sony Cost of the second sec	



Level	Marks	Descriptor
0	0	A completely inaccurate response.
1	1-3	Shows some awareness of the impact of a fall in sales on profits. Material presented is often irrelevant and lacks organisation. Frequent punctuation and/or grammar errors are likely to be present and the writing is generally unclear.
2	4-6	Understanding of the impact of a fall in sales on profits with some application to context. Material is presented with some relevance but there are likely to be passages which lack proper organisation. Punctuation and/or grammar errors are likely to be present which affect the clarity and coherence.
3	7-8	Clear understanding of the impact of a fall in sales on profits or with effective application to context. Material is presented in a relevant and logical way. Some punctuation and/or grammar errors may be found, but the writing has overall clarity and coherence.



F erral continue			
	• 1 a c	ative content The impact may be serious if smartphones are a significant part of Sony's overall sales and/or the downward trend is replicated in other parts of the business	
	۱ r t	Can be withstood in the short run (covering /C), but not in the long run – unless Sony responds positively or there are changes in the market (higher demand, loss of competitors)	
		Changes in variable costs such as reducing vage costs may restore profitability	
	C	The 14% sales fall is in one division of the company – may not be replicated across other divisions	
	t	As a large TNC, Sony may be in a position to withstand losses for some considerable ime	
	r	Sony's product innovation and its R & D may cause demand for its products to rise and restore profitability	
	a Ie	Norkers/Trade unions may resist proposals and may lead to disruption, demotivation, oss of productivity and lead to further decline in profit	
Level	Marks	Descriptor	
0	0	No evaluative comments.	
1	1-2	For identifying evaluative comments without explanation.	
2	3-4	For evaluative comments supported by relevent reasoning.	vant



Question Number			Mark
5 (c)			(12)
Knowledge	C	cation and analysis – indicative contentCompanies and co-operatives are all part of the private sector - non-government owned businesses organisation.Companies are owned by shareholders whereas co-operatives are owned by producers 	
Level	Marks	Descriptor	
0	0	A completely inaccurate response.	
1	1-3	Shows some awareness of business objectives. Material presented is often irrelevant and lacks organisation. Frequent punctuation and/or grammar errors are likely to be present and the writing is generally unclear.	
2	4-6	Understanding of different business objectives for large companies and co-operatives with some application. Material is presented with some relevance but there are likely to be passages which lack proper organisation. Punctuation and/or grammar errors are likely to be present which affect the clarity and coherence.	
3	7-8	Clear understanding of different business objectives for large companies and co-operatives with effective application to context. Material is presented in a relevant and logical way. Some punctuation and/or grammar errors may be found, but the writing has overall clarity and coherence.	



Evoluation	indicat	tive content		
	s o - B	laking a profit is a key objective for <u>all</u> private ector organisations, (except not for profit rganisations). This may be: profit maximisation profit satisficing out essentially it is no different for companies ke Sony & co-operatives		
	 Unless co-operatives receive government support, they can only survive if they make profits 			
		arge companies, such as Sony, also have ocial responsibilities		
		 Differences in objectives may be in relation to priority of importance 		
		ates may take either perspective for KAA e reverse perspective for evaluation.		
Level	Marks	Descriptor		
0	0	No evaluative comments.		
1	1-2	For identifying evaluative comments without explanation.		
2	3-4	For evaluative comments supported by relevant reasoning.		



Number (12) S(d) (12) Knowledge, application and analysis – indicative content (12) Methods of intervention: • • Financial support – e.g. grants, subsidies, tax breaks, low-cost loans • Less regulation of co-operatives • Local sourcing of raw materials • Legislation to support growth of co-operatives • Promotion/support of Fair Trade campaign • Barriers to entry of foreign firms Impact of government support • • Enables co-operatives to be in a better position to compete in the market. e.g. the impact of a subsidy will be to lower price and raise quantity bought and sold Image: the state of the state o	Ś
 Knowledge, application and analysis – indicative content Methods of intervention: Financial support – e.g. grants, subsidies, tax breaks, low-cost loans Less regulation of co-operatives Local sourcing of raw materials Legislation to support growth of co-operatives Promotion/support of Fair Trade campaign Barriers to entry of foreign firms Impact of government support Enables co-operatives to be in a better position to compete in the market. e.g. the impact of a subsidy will be to lower price and raise quantity bought and sold 	
 Methods of intervention: Financial support – e.g. grants, subsidies, tax breaks, low-cost loans Less regulation of co-operatives Local sourcing of raw materials Legislation to support growth of co-operatives Promotion/support of Fair Trade campaign Barriers to entry of foreign firms Impact of government support Enables co-operatives to be in a better position to compete in the market. e.g. the impact of a subsidy will be to lower price and raise quantity bought and sold 	
 breaks, low-cost loans Less regulation of co-operatives Local sourcing of raw materials Legislation to support growth of co-operatives Promotion/support of Fair Trade campaign Barriers to entry of foreign firms Impact of government support Enables co-operatives to be in a better position to compete in the market. e.g. the impact of a subsidy will be to lower price and raise quantity bought and sold 	
 Local sourcing of raw materials Legislation to support growth of co-operatives Promotion/support of Fair Trade campaign Barriers to entry of foreign firms Impact of government support Enables co-operatives to be in a better position to compete in the market. e.g. the impact of a subsidy will be to lower price and raise quantity bought and sold 	
 Legislation to support growth of co-operatives Promotion/support of Fair Trade campaign Barriers to entry of foreign firms Impact of government support Enables co-operatives to be in a better position to compete in the market. e.g. the impact of a subsidy will be to lower price and raise quantity bought and sold 	
 Promotion/support of Fair Trade campaign Barriers to entry of foreign firms Impact of government support Enables co-operatives to be in a better position to compete in the market. e.g. the impact of a subsidy will be to lower price and raise quantity bought and sold 	
 Barriers to entry of foreign firms Impact of government support Enables co-operatives to be in a better position to compete in the market. e.g. the impact of a subsidy will be to lower price and raise quantity bought and sold 	
Impact of government support • Enables co-operatives to be in a better position to compete in the market. e.g. the impact of a subsidy will be to lower price and raise quantity bought and sold $\int \int $	
• Enables co-operatives to be in a better position to compete in the market. e.g. the impact of a subsidy will be to lower price and raise quantity bought and sold $ \int_{p_1}^{p_2} \int_{p_2}^{s_2+s_3} \int_{subsidy}^{s_2+s_4} \int_{p_3}^{s_3+s_4} \int_{p_3}^{s_3+s_5} \int_{p_3}$	
 Price falls from OP to Op1, Quantity rises from OQ to OQ1 Provides a source of employment – already over 5 million people employed in co-operatives in EU Increased incomes – multiplier effect, growth in GNP, possible route out of poverty for 	
 developing economies Rise in export income and a more internationally competitive economy 	



Level	Marks	Descriptor
0	0	A completely inaccurate response.
1	1-3	Shows some awareness of the impact of government
		support for co-operatives.
		Material presented is often irrelevant and lacks
		organisation. Frequent punctuation and/or grammar
		errors are likely to be present and the writing is
		generally unclear.
2	4-6	Understanding of the impact of government support for co-operatives, with some application to context. Material is presented with some relevance but there are likely to be passages which lack proper organisation. Punctuation and/or grammar errors are likely to be present which affect the clarity and coherence.
3	7-8	Clear understanding of the impact of government support for co-operatives, with effective application to context. Material is presented in a relevant and logical way. Some punctuation and/or grammar errors may be found, but the writing has overall clarity and coherence.



Evaluation	- indicat	tive content
		Costs of government support
		hort term/long term impact – is support ustainable?
		opportunity costs – what may need to be pregone?
	• C	co-operative businesses tend to be small
		 how effectively can they compete against TNC's? how efficient might they be? upport may need to be across national oundaries (e.g. European scale – extract 2)
		he focus on social objectives may make o-operatives less internationally competitive
		epends on the nature and level of overnment support
		epends on the macroeconomic climate and rowth opportunities for co-operatives
Level	Marks	Descriptor
0	0	No evaluative comments.
1	1-2	For identifying evaluative comments without explanation.
2	3-4	For evaluative comments supported by relevant reasoning.



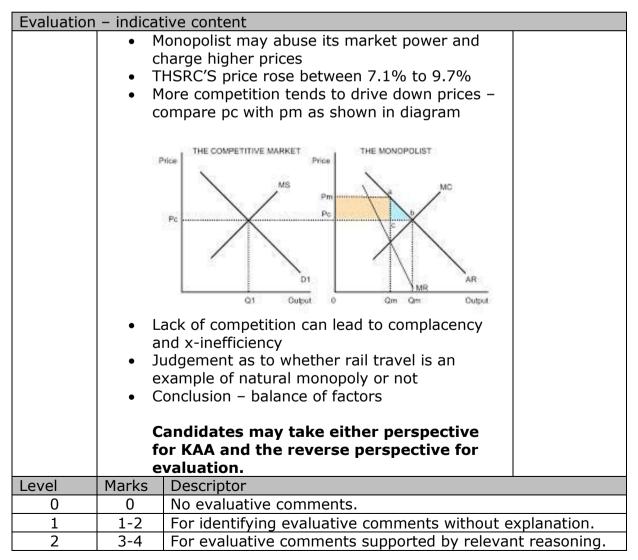
Question Number	Answer	Mark
6 (a)	Knowledge and Application (up to 4 marks)	
	<pre>Knowledge - up to 2 marks: Define price elasticity of demand - the response of QD to a change in price (1) Formula for PED % change in QD/% change in P (1) Define inelastic demand - where the % change in QD is less than the % change in P (2) OR Define elastic demand - where the % change in QD is more than the % change in P (2)</pre>	
	Incomplete definition (1)	
	Application up to 2 marks: Demand likely to be price inelastic (1) - following a rise in price, revenue was expected to increase for THSRC (1)	
	Reward diagram - inelastic demand - rise in revenue	
	10 9 8 7 6 5 4 3 2 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	0 1 2 3 4 5 6 7 8 9 10 Quantity	(4)



Question		Mark
Number 6 (b)		(12)
	e, application and analysis – indicative content	<u>\/</u>
	 Define monopoly - sole supplier or a firm with a very high market share THSRC - possibly a monopolist in relation to rail transport A monopolist may gain from economies of scale and pass those benefits on to consumers in the form of lower prices For example -technical economies of scale – high speed trains (increased dimensions); financial economies of scale – lower interest rates Minimum efficient size may be large with falling LRAC – productive efficiency (see diagram) Costa for the form of lower prices of the state of the state	



Level	Marks	Descriptor
0	0	A completely inaccurate response.
1	1-3	Shows some awareness of the potential financial benefits of monopoly to consumers. Material presented is often irrelevant and lacks organisation. Frequent punctuation and/or grammar errors are likely to be present and the writing is generally unclear.
2	4-6	Understanding of the potential financial benefits of monopoly to consumers with some application to context. Material is presented with some relevance but there are likely to be passages which lack proper organisation. Punctuation and/or grammar errors are likely to be present which affect the clarity and coherence.
3	7-8	Clear understanding of the potential financial benefits of monopoly to consumers with effective application to context. Material is presented in a relevant and logical way. Some punctuation and/or grammar errors may be found, but the writing has overall clarity and coherence.





Question			Mark
Number			
6(c)			(12)
Knowledge	application and analys		
	Identification and expla a buyer has significant suppliers Benefits to a supplier • Suppliers may be term contracts le revenue and pro- the Vietnam Elec • Removal/reductio • Provides supplier • Enables suppliers • Suppliers may fa potential supplie deals e.g. those Group • Suppliers can ga against abuses o • Suppliers may al	enation of monopsony – where market power over its enefit in the form of longer eading to potentially higher fits e.g. those businesses in stricity Group on of uncertainty for suppliers	
Level	Marks Descriptor		
0		naccurate response.	
1	suppliers. Material prese organisation. I errors are like	Shows some awareness of the benefits of monopsony to	
2	suppliers with Material is pre likely to be pa Punctuation ar present which	 Understanding of the benefits of monopsony to suppliers with some application to context. Material is presented with some relevance but there are likely to be passages which lack proper organisation. Punctuation and/or grammar errors are likely to be present which affect the clarity and coherence. 	
3	suppliers with Material is pre Some punctua	anding of the benefits of monops effective application to context. sented in a relevant and logical tion and/or grammar errors may writing has overall clarity and c	way. 7 be



Evaluation	- indicat	tive content	
	Costs to	by suppliers may include: benied access to markets due to exclusive eals – reference to impact on suppliers in the ietnamese electricity market orced to sell at very low prices – leading to ower profits margins/lower incomes/losses Extract 3) larket power applied by monopsonist e.g. charging without permission names on website payments for eye-level shelf positioning (Extract 3) strict terms and conditions on deliveries and fines if deadlines not met etc. ome suppliers may leave the market - unable o make a profit or insufficient profit margin bepends on the terms and conditions of the uyer and seller relationship hort term/long term impact bepends on how governments respond – references to competition laws/authorities in oth extracts) bo the costs outweigh the benefits for uppliers? Vhich specific benefits and costs are likely to xert more influence? Prioritisation	
Level	Marks	Descriptor	
0	0	No evaluative comments.	
1	1-2	For identifying evaluative comments without e	xplanation.
2	3-4	For evaluative comments supported by relevan	



Question		Mark
Number		
6(d)		(12)
Knowledge	e, application and analysis – indicative content	
	Types of government intervention may include:	
	 fines and prosecution of directors through the courts 	
	 increasing the powers of the competition authorities e.g. tightening up competition laws setting minimum prices for suppliers e.g. to the suppliers of large supermarkets such as Morrisons 	
	 lowering barriers to entry to encourage an increase in competition in the market e.g. through deregulation. 	
	The impact of government intervention on behaviour of monopsonists:	
	 May raise costs for monopsonists. This can lead to various situations including: 	
	- lower profit margins	
	- higher prices to consumers	
	 cut costs in other areas – e.g. employment, advertising 	
	 Monopsonists choose alternative suppliers – possibly from other economies where government protection does not apply 	
	If the buyers' market becomes more contestable firms like Morrisons, for example, may need to become more efficient – quality of products/service, range of products etc.	



Level	Marks	Descriptor
0	0	A completely inaccurate response.
1	1-3	Shows some awareness of the impact of government policies on the behaviour of monopsony firms. Material presented is often irrelevant and lacks organisation. Frequent punctuation and/or grammar errors are likely to be present and the writing is generally unclear.
2	4-6	Understanding of the impact of government policies on the behaviour of monopsony firms with some application to context. Material is presented with some relevance but there are likely to be passages which lack proper organisation. Punctuation and/or grammar errors are likely to be present which affect the clarity and coherence.
3	7-8	Clear understanding of the impact of government policies on the behaviour of monopsony firms with effective application to context. Material is presented in a relevant and logical way. Some punctuation and/or grammar errors may be found, but the writing has overall clarity and coherence.

Evaluation – indicative content				
	if n	imits to the powers of national governments – monopsonists are very powerful in the narket. In this case there may be little impact n business behaviour		
	 Short run/long run distinction – removing market power from monopsonists may take time to have any significant impact – e.g. time lag before new firms are established 			
	 Possibility of regulatory capture & government failure, so monopsonists are not adversely affected 			
Level	Marks	Descriptor		
0	0	No evaluative comments.		
1	1-2	For identifying evaluative comments without explanation.		
2	3-4	For evaluative comments supported by relevant reasoning.		



Pearson Education Limited. Registered company number 872828 with its registered office at 80 Strand, London WC2R 0RL $\,$