

Please write clearly in block capitals.					
Centre number		Candidate number			
Surname					
Forename(s)					
Candidate signature					

AS ECONOMICS

Paper 1 The operation of markets and market failure

Materials

For this paper you must have:

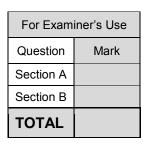
- the insert
- a calculator.

Instructions

- Use black ink or black ball-point pen. Pencil should only be used for drawing.
- Fill in the boxes at the top of this page.
- Answer all questions in Section A.
- Answer either Context 1 or Context 2 in Section B.
- You will need to refer to the insert provided to answer **Section B**.
- You must answer the questions in the spaces provided. Do not write outside the box around each page or on blank pages.
- Do all rough work in this book. Cross through any work you do not want to be marked.

Information

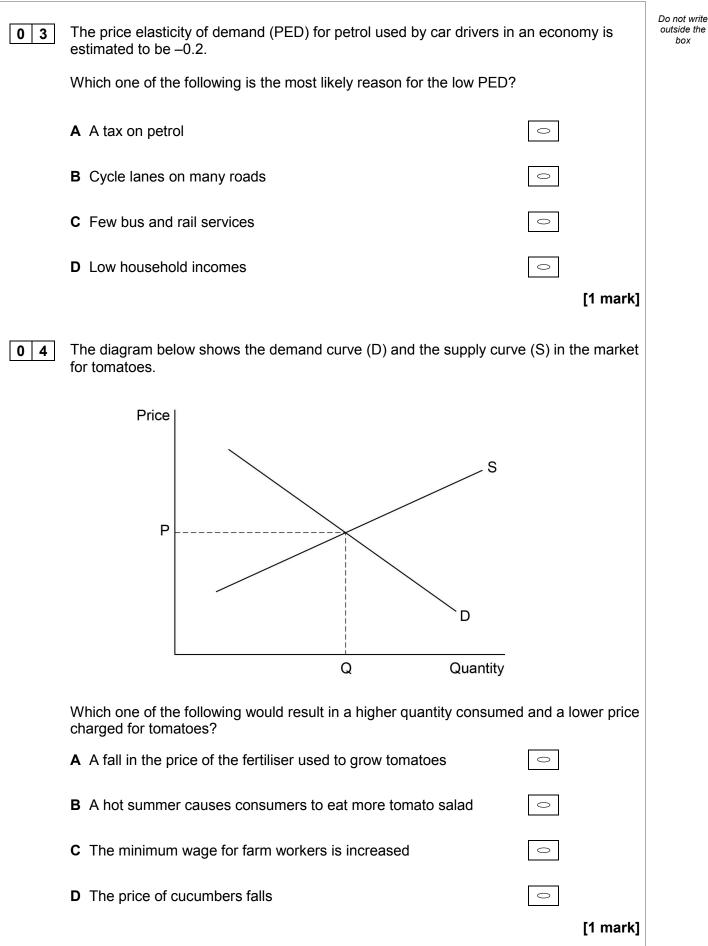
- The maximum mark for this paper is 70.
- The marks for questions are shown in brackets.
- No deductions will be made for wrong answers.





Section A	Do not write outside the
Answer all questions in this section.	box
Only one answer per question is allowed.	
For each answer completely fill in the circle alongside the appropriate answer.	
CORRECT METHOD WRONG METHODS S	
If you want to change your answer you must cross out your original answer as shown.	
If you wish to return to an answer previously crossed out, ring the answer you now wish to select as shown.	
0 1 The central purpose of the production of goods and services is to	
A achieve more technological innovation.	
B maximise exports.	
C maximise profits.	
D satisfy consumer wants.	
[1 mai	rk]
0 2 In an economy, competitive firms supply electricity that is generated using coal-fired power stations.	
If the government tries to reduce pollution by imposing an indirect tax on the firms, this would	S
A shift the market demand curve to the left.	
B shift the market demand curve to the right.	
C shift the market supply curve to the left.	
D shift the market supply curve to the right.	
[1 mai	rk]







Turn over ►

				Do not write outside the
0 5	Ben owns a small business that makes hand-made guitars.			box
	One year he sells 160 guitars, his total revenue is £78 400, and his t £59 200.	otal costs	s are	
	The average profit that Ben earns on each guitar is			
	A £120	0		
	B £370	0		
	C £490	0		
	D £860	0		
			[1 mark]	
06	Which one of the following is most likely to reduce the benefits of spe	ecialisatio	on?	
	A reduction in government regulations	0		
	B An increase in competition	0		
	C Taxes on pollution	0		
	D Trade conducted by bartering	0		
			[1 mark]	
0 7	Smoking cigarettes generates negative consumption externalities.			
	This means that			
	A the private benefit from smoking includes the consumption externalities.	0		
	B the social benefit from smoking is less than the private benefit.	0		
	C the social benefit from smoking is negative.	0		
	D the social optimum level of smoking is zero.	0		
			[1 mark]	



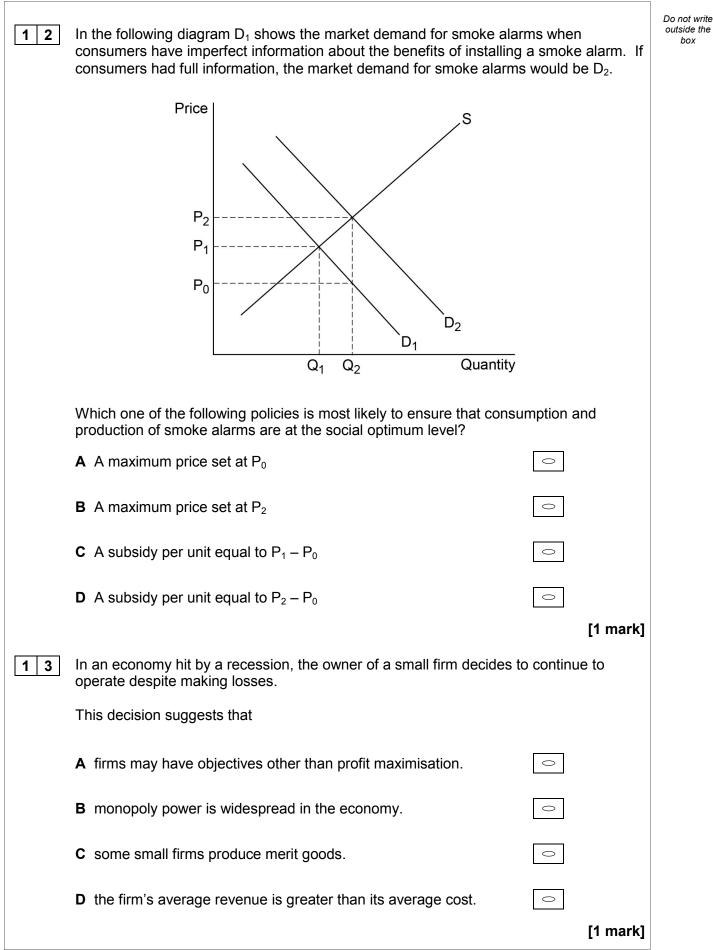
08	Which one of the following is an example of the economic resource c	apital?		Do not write outside the box
	A A bank loan to a small business	0		
	B A scientific research laboratory	0		
	C Government subsidies for wind power	0		
	D Money in a savings account	0		
			[1 mark]	
09	Training provided by firms in a free market economy may be underpr some of the benefits from training may be captured by other firms wh change jobs. Which one of the following best describes this situation	en the w		
	A A negative production externality and a missing market	0		
	B A negative production externality and partial market failure	0		
	C A positive production externality and a missing market	0		
	D A positive production externality and partial market failure	0		
			[1 mark]	
1 0	The income elasticity of demand for baked beans is –0.4.			
	Weekly sales of baked beans are 73 000 tins.			
	If household incomes fall by 5%, then the new weekly sales of baked be	bean tin	s would	
	A 63 875	0		
	B 71 540	0		
	C 74 460	0		
	D 82 125	0		
			[1 mark]	



5

Do not write outside the There is a large increase in the number of different models of bicycles produced by the 1 1 box bicycle industry. The most likely impact of this would be A a decrease in advertising expenditure by bicycle firms. \bigcirc **B** a fall in the price elasticity of demand for any one model of bicycle. \bigcirc **C** an increase in barriers to entry to the bicycle industry. \bigcirc **D** an increase in productivity of manufacturing bicycles. \bigcirc [1 mark]







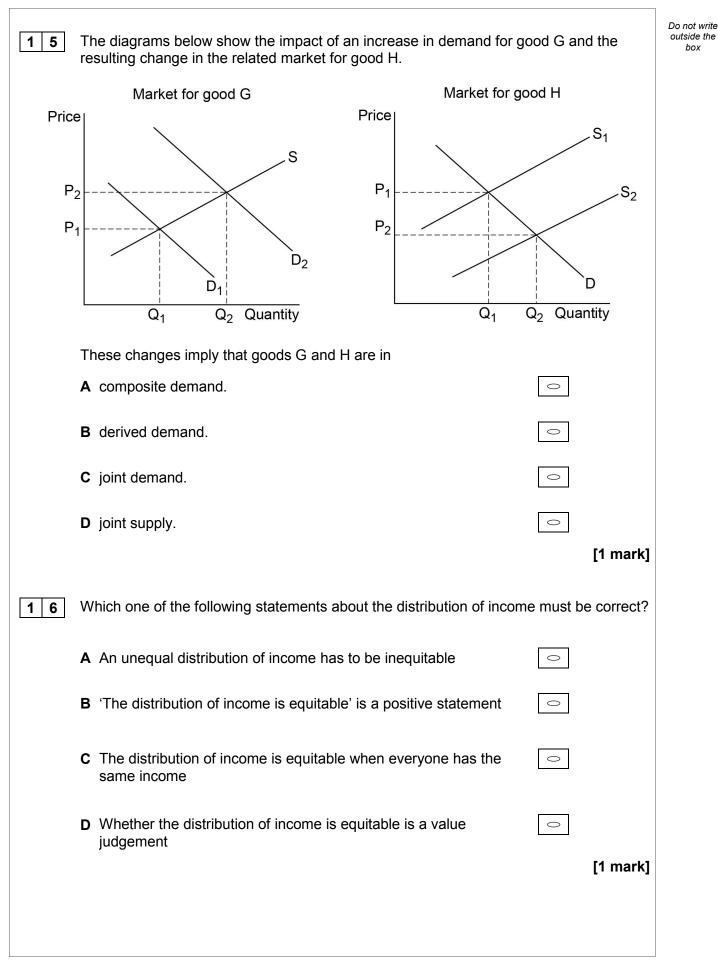
outside the The table below shows the relationship between a firm's output and its production 1 4 costs. Average variable Output Average total costs (£) costs (£) 50 80 10 55 20 40 30 35 45 When the firm increases its output from A 10 to 20 units, average fixed costs do not change. $^{\circ}$ **B** 10 to 20 units, average fixed costs fall by £15. \bigcirc C 20 to 30 units, average fixed costs fall by £10. \bigcirc **D** 20 to 30 units, average fixed costs fall by £15. \bigcirc [1 mark]



IB/G/Jun18/7135/1

Do not write

box





1 7	Which one of the following would generate a short-run disequilibrium supply in the market for Cornish pasties?	with exc	ess	Do not write outside the box
	A A minimum price for Cornish pasties is set above the current market price	0		
	B Higher meat prices increase the cost of producing Cornish pasties	0		
	C More advertising increases the demand for Cornish pasties	0		
	D The government levies a new indirect tax on Cornish pasties	0		
			[1 mark]	
1 8	One way to allocate road space in a congested city would be to charge the roads.	e drivers	s to use	
	One reason why this policy is likely to result in a more efficient allocat because	ion of re	sources is	
	A incentives to build new roads would be higher.	0		
	B only higher income drivers would choose to use the roads.	0		
	C road use would be rationed to drivers who benefit from it the most.	0		
	D the government would raise a large amount of revenue from drivers.	0		
			[1 mark]	
19	Firms in an industry with a high concentration ratio will typically exper	ience		
	A a large amount of competition.	0		
	B a large degree of monopoly power.	0		
	C few economies of scale.	0		
	D low prices and profits.	0		
			[1 mark]	



Do not write outside the 2 0 Online clothes retailers invest in new warehouses to enable them to hold larger stocks box of clothes. Other things remaining the same, this is most likely to result in **A** a higher price elasticity of supply of clothes sold online. \bigcirc **B** an increase in demand for clothes sold online. \bigcirc C diseconomies of scale in the online clothes industry. $^{\circ}$ **D** lower barriers to entry to the online clothes industry. \bigcirc 20 [1 mark] **QUESTION 20 IS THE** LAST QUESTION IN SECTION A



	Section B	Do not w outside box
I	Look at the insert and choose to answer EITHER Context 1 OR Context 2.	50
	Answer EITHER Questions 21 to 26 in the spaces below	
	OR	
	Questions 27 to 32 on pages 23 to 32 of this answer booklet.	
	There is a total of 50 marks for either Context.	_
Shade the	circle below to indicate which context you have answered.	
Context		
WRONG MET		
	/	
EITHER		
Context 1	Total for this Context: 50 marks	;
LIBRARIES		
the questior	ert provided to study Questions 21 to 26 and Extracts A , B and C , and then answer ns in the spaces which follow.	
2 1	Define 'public good' Extract C (line 18). [3 marks]	
	Extra space	
	LARU OPROC	

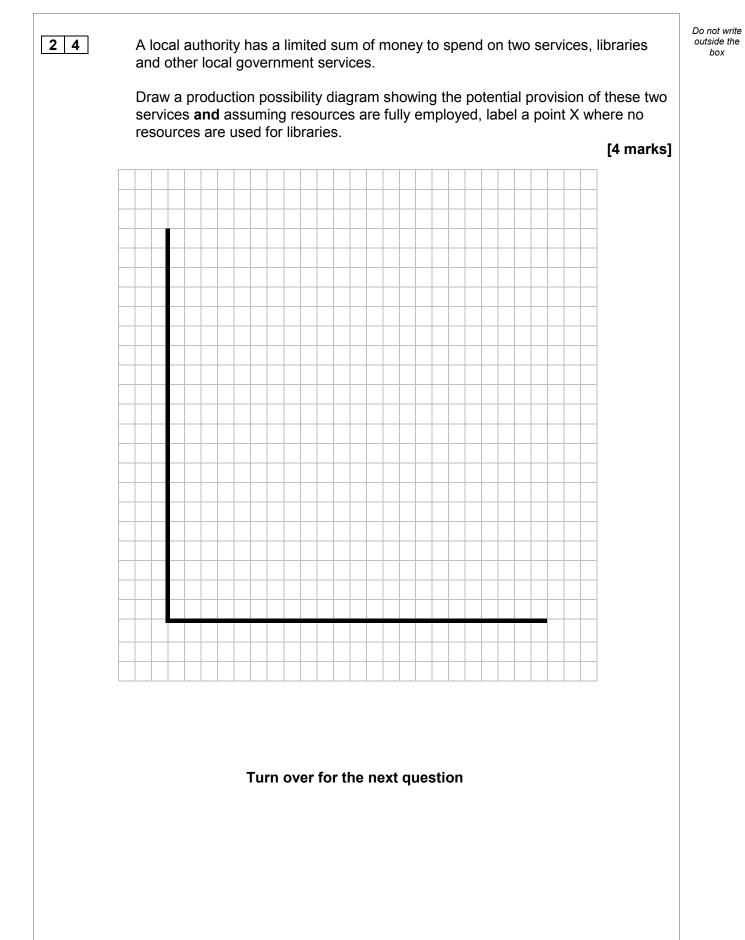


2 2	Extract C (lines 11–13) states: 'A relatively small amount was spent on libraries in England in 2014/15.'	Do not write outside the box
	If the population of England in 2014/15 was 54.5 million, calculate, to the nearest pound, the amount spent on libraries per person.	
	[4 marks]	
	Turn over for the next question	
	Turn over ►	



England over the period shown.	[4 mar
Comparison 1	
Extra space	
Comparison 2	
Comparison 2	
Extra space	







2 5	Extract B (lines 2–3) states: 'a recent survey found that only a third o used a library in the previous year, a significant fall since data collecti 2005'.	f adults had on began in
	Explain two reasons why the demand for library services has fallen.	[10 marks]



Extra space	Do not write outside the box



2 6	Extract C (line 10) states: 'Faced with funding cuts, local authorities have to make	Do not write outside the box
2 0	difficult choices'.	DOX
	Use the extracts and your knowledge of economics to assess whether local authorities should continue to provide public libraries.	
	[25 marks]	







Extra space	Do not v outside box









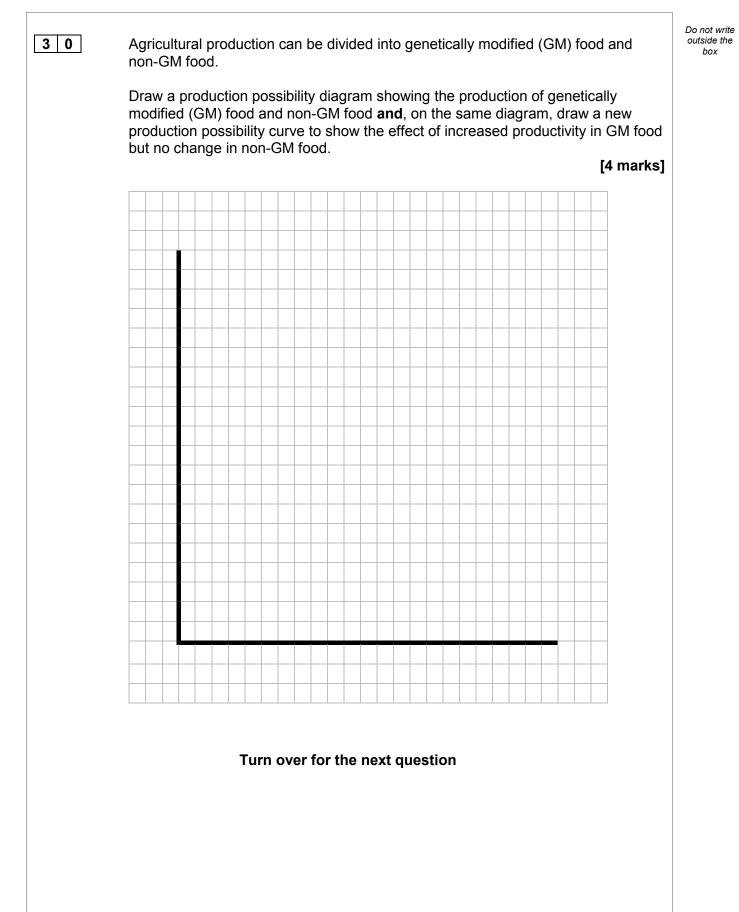


OR	Do not answer Context 2 if you have answered Context 1.	Do not write outside the box
Context 2	Total for this context: 50 marks	
AGRICULTU	RE	
	t provided to study Questions 27 to 32 and Extracts D , E and F, and then answer in the spaces which follow.	
2 7	Define 'minimum price' Extract E (line 6). [3 marks]	
28	Extract E (lines 8–9) states: 'One prediction was that 20% of dairy farms would close in 2016'. If there were 9633 dairy farms in England and Wales in January 2016, calculate, to the nearest whole number, how many dairy farms there would be in January 2017 if the prediction for the percentage of dairy farms closing in 2016 is correct. [4 marks]	



Do not write
outside the
box

29 Use Extract D to identify two significant points of comparison between the changes in employment and output in agriculture, forestry and fishing in the UK over the period shown. [4 marks] Comparison 1 Extra space Comparison 2 Extra space





Extract F (lines 2–3) states: 'Dairy prices are expected to rise	
Explain two factors that could increase the price of milk.	[10 marks



Extra space	



3 2	Extract F (lines 18–19) states: 'Should the UK government take an active agriculture, and if so, what policies should it implement?'	ve role in	Do not write outside the box
	Use the extracts and your knowledge of economics to assess to what exall, the UK government should intervene in the agricultural sector.		
		[25 marks]	







Do not write outside the box

Extra space		







Do not write outside the box

Copyright information

For confidentiality purposes, from the November 2015 examination series, acknowledgements of third party copyright material will be published in a separate booklet rather than including them on the examination paper or support materials. This booklet is published after each examination series and is available for free download from www.aqa.org.uk after the live examination series.

Permission to reproduce all copyright material has been applied for. In some cases, efforts to contact copyright-holders may have been unsuccessful and AQA will be happy to rectify any omissions of acknowledgements. If you have any queries please contact the Copyright Team, AQA, Stag Hill House, Guildford, GU2 7XJ.

Copyright © 2018 AQA and its licensors. All rights reserved.



AS ECONOMICS

Paper 1 The operation of markets and market failure

Insert

DO NOT WRITE ANY ANSWERS IN THIS INSERT. YOU MUST ANSWER THE QUESTIONS IN THE ANSWER BOOKLET PROVIDED.

CONTEXT 1: LIBRARIES

Questions 21 to 26

- Extract A: Percentage of people aged 16–24, 25–44 and 75+ who had visited a public library in England in the previous year, 2008/09 to 2015/16
- Extract B: What has happened to the local library?
- Extract C: Who should provide libraries?

CONTEXT 2: AGRICULTURE

Questions 27 to 32

- Extract D: UK agriculture, forestry and fishing employment, index of output and milk price, 2009 to 2016
- Extract E: UK agriculture in crisis?
- Extract F: Crisis? What crisis?

Total for this context: 50 marks

LIBRARIES

Context 1

Year	16–24 (%)	25–44 (%)	75+ (%)
2008/09	42.8	43.7	35.0
2009/10	40.0	40.9	32.9
2010/11	34.4	44.6	37.1
2011/12	34.5	44.0	38.9
2012/13	32.3	42.2	36.5
2013/14	33.4	40.4	33.3
2014/15	28.5	41.3	31.6
2015/16	27.4	37.4	34.3

Extract A: Percentage of people aged 16–24, 25–44 and 75+ who had visited a public library in England in the previous year, 2008/09 to 2015/16

* A public library consists of books and other information, provided mainly free of charge to the general public by local authorities. Source: Department for Culture, Media and Sport

Extract B: What has happened to the local library?

Many years ago, a library was a place where you went to borrow a book or perhaps to find peace and quiet to study. However, a recent survey found that only a third of adults had used a library in the previous year, a significant fall since data collection began in 2005. Reasons why fewer people are using libraries include less free time, getting books from elsewhere, including eBooks and preferring to use their leisure time for other activities. Changes in technology and lifestyles have caused many to question the purpose of the local library.

Despite this, in the year 2014/15, there were more library visits than to the cinema, Premier League football matches and the top 10 UK tourist attractions combined. Libraries offer health information, provide support for businesses and a venue for community events. They promote lifelong learning and help people to live healthier and happier lives. A recent study put the value 10 of using libraries frequently, in terms of 'life satisfaction', at £1359 per person per year. Many people in rural areas rely on mobile libraries, where large vehicles carrying a range of books and other resources visit regularly.

In 2015, about 11% of the UK population lacked internet access. Library staff and volunteers can help with online services and it is important that people have opportunities to develop new 15 skills, which could also increase labour mobility.

In December 2016, the Department for Culture, Media and Sport published a plan for public libraries over the next five years. Their aim is to increase the use of libraries by raising awareness of what they do. A more innovative approach may be needed. Closer links with other cultural organisations such as museums and schools, musical activities and talks by local 20 authors, could attract more users.

Source: News reports, 2017

5

Extract C: Who should provide libraries?

Traditionally, libraries were funded by local authorities, such as Manchester City Council, helped by grants from central government. As the number of visitors and borrowers has fallen, many libraries have closed or been transferred to community groups, often run by volunteers. In Wales, for example, there were 1241 paid library jobs in 2010 but only 979 in 2016, whilst in Oxfordshire, the number of volunteers rose from 108 to 831 between 2010 and 2015. Volunteering can improve people's skills and self-confidence, help their career prospects and productivity, as well as make use of the spare time of the retired. However, Philip Pullman, author of His Dark Materials, believes "It is exploiting people's goodness and willingness to work".

Faced with funding cuts, local authorities have to make difficult choices which have an 10 opportunity cost. People's views differ and are influenced by moral and political judgements. A relatively small amount, approximately £762 million, was spent on libraries in England in 2014/15. This is perhaps surprising given their huge impact, including their positive externalities.

The first Libraries Week will be held in October 2017, an ideal opportunity to promote what15libraries offer. It is hoped that by 2021, England's international literacy ranking will be higher,15with more people reading for pleasure and closer links between libraries and local schools.15

A library is not a public good so it does not have to be provided by the state. Perhaps libraries should undertake fundraising or ask wealthy donors for support? Charging for services or links with businesses and other local organisations may also provide much-needed funds. 20

Source: News reports, 2017

5

Turn over for Context 1 questions

Context 1 – Questions 21 to 26

2 1

Define 'public good' **Extract C** (line 18).

[3 marks]

2 2

Extract C (lines 11–13) states: 'A relatively small amount ... was spent on libraries in England in 2014/15'.

If the population of England in 2014/15 was 54.5 million, calculate, to the nearest pound, the amount spent on libraries per person.

[4 marks]

2 3

2

Use **Extract A** to identify **two** significant points of comparison between the percentage of people aged 16–24 and those aged 75+ who visited a library in England over the period shown.

[4 marks]

4 A local authority has a limited sum of money to spend on two services, libraries and other local government services.

Draw a production possibility diagram showing the potential provision of these two services **and** assuming resources are fully employed, label a point X where no resources are used for libraries.

[4 marks]

2 5 Extract B (lines 2–3) states: 'a recent survey found that only a third of adults had used a library in the previous year, a significant fall since data collection began in 2005'.

Explain two reasons why the demand for library services has fallen.

[10 marks]

2 6 Extract C (line 10) states: 'Faced with funding cuts, local authorities have to make difficult choices'.

Use the extracts and your knowledge of economics to assess whether local authorities should continue to provide public libraries.

[25 marks]

There are no questions printed on this page

Turn over for Context 2

Total for this context: 50 marks

Context 2

AGRICULTURE

Year	Employment in agriculture, forestry and fishing (000s)	Output in agriculture, forestry and fishing (2013=100)	Milk price (pence per litre)
2009	389	97.1	23.7
2010	419	96.5	24.7
2011	404	107.1	27.4
2012	426	99.3	28.1
2013	369	100.0	31.6
2014	419	113.9	31.5
2015	368	115.3	24.5
2016	370	111.4	22.7

Extract D: UK agriculture, forestry and fishing – employment, index of output and milk price, 2009 to 2016

Source: ONS and Defra

5

Extract E: UK agriculture in crisis?

Currently 68% of food consumed in the UK is produced in this country but the National Farmers Union (NFU) believe this could drop to 53% unless action is taken. The decision to leave the European Union (EU) has added to the uncertainty faced by farmers. A NFU representative described it as "one of the biggest challenges facing the industry but...a unique opportunity". Although, over time, the EU has reduced its intervention, many farmers have relied on subsidies, minimum price controls or other interventions to help them to survive or to finance improvements.

Recently, UK milk prices have fallen due to excess supply. One prediction was that 20% of dairy farms would close in 2016. Others may switch to other types of farming or offer holiday accommodation. But, if farms close, prices could then start to rise again. Extreme weather 10 conditions in some parts of the world may also increase many agricultural prices. Inequality will always exist but which is worse – lower incomes for farmers or higher prices for consumers? Improved technology could increase productivity but many farmers are struggling to finance this due to falling or volatile prices.

And what about the environment? Many people accuse modern farming methods of damaging ¹⁵ wildlife habitats and polluting rivers but farmers also play a part in managing and protecting the countryside. Should there be more restrictions on what farmers can do or should they receive more government support?

Source: News reports, January 2017

6

Extract F: Crisis? What crisis?

The fall in the value of the pound since the Brexit vote has increased some import prices by 16% whilst UK grain exports have been at their highest for 20 years. Dairy prices are expected to rise in 2017 due to lower supply and strong demand – a growing world population needs feeding. Incomes are likely to rise for many farmers but higher costs of imported fuel and fertiliser may prevent this.

Poultry farmers have been doing better recently, with strong demand for eggs, particularly free-range, and significant productivity gains. However, the cost of feed and the avoidance of diseases such as avian flu are crucial.

Sales of organic food have also been rising steadily in the last few years, partly due to their alleged health benefits. More than half the baby food now sold in the UK is organic. However, 10 organic food is usually more expensive since strict standards lead to lower yields.

Genetically modified (GM) foods do not occur naturally but have been developed by scientists to resist disease and increase yield. Some people fear that the food produced is unsafe but others claim that the increased output could raise revenue for farmers and lower prices for consumers. Currently, no GM crops are grown commercially in the UK but the first GM products were sold in 15 British supermarkets in 1996. Leaving the EU will enable us to explore this area further.

It is clearly a time of uncertainty for the UK farming sector as over 40 years of EU involvement is replaced but by what? Should the UK government take an active role in agriculture, and if so, what policies should it implement? Or should it leave the sector to market forces with little, if any, intervention?

Source: News reports, January 2017

5

20

Turn over for Context 2 questions

7 Define 'minimum price' Extract E (line 6). 2 [3 marks] Extract E (lines 8-9) states: 'One prediction was that 20% of dairy farms would close in 8 2 2016'. If there were 9633 dairy farms in England and Wales in January 2016, calculate, to the nearest whole number, how many dairy farms there would be in January 2017 if the prediction for the percentage of dairy farms closing in 2016 is correct. [4 marks] Use Extract D to identify two significant points of comparison between the changes in 2 9 employment and output in agriculture, forestry and fishing in the UK over the period shown. [4 marks] Agricultural production can be divided into genetically modified (GM) food and non-GM 3 0 food. Draw a production possibility diagram showing the production of genetically modified (GM) food and non-GM food and, on the same diagram, draw a new production possibility curve to show the effect of increased productivity in GM food but no change in non-GM food. [4 marks] Extract F (lines 2–3) states: 'Dairy prices are expected to rise in 2017'. 3 1 Explain two factors that could increase the price of milk. [10 marks] Extract F (lines 18-19) states: 'Should the UK government take an active role in 2 3 agriculture, and if so, what policies should it implement?' Use the extracts and your knowledge of economics to assess to what extent, if at all, the UK government should intervene in the agricultural sector. [25 marks]

Copyright information

For confidentiality purposes, from the November 2015 examination series, acknowledgements of third party copyright material will be published in a separate booklet rather than including them on the examination paper or support materials. This booklet is published after each examination series and is available for free download from www.aqa.org.uk after the live examination series.

Permission to reproduce all copyright material has been applied for. In some cases, efforts to contact copyright-holders may have been unsuccessful and AQA will be happy to rectify any omissions of acknowledgements. If you have any queries please contact the Copyright Team, AQA, Stag Hill House, Guildford, GU2 7XJ.

Copyright © 2018 AQA and its licensors. All rights reserved.