

Please check the examination de Candidate surname Candidate Surname Centre Number Candi		Other names
Pearson Edexcel L	evel 3 GCE	
Thursday 18 May	y 2023	
Morning (Time: 2 hours)	Paper reference	9EC0/01
Economics A Advanced PAPER 1: Markets an	ıd Business Be	ehaviour
You do not need any other m	aterials.	Total Marks

Instructions

- Use black ink or ball-point pen.
- Fill in the boxes at the top of this page with your name, centre number and candidate number.
- There are three sections in this question paper. Answer all questions from Section A and Section B. Answer one question from Section C.
- Answer the questions in the spaces provided
 - there may be more space than you need.

Information

- The total mark for this paper is 100.
- The marks for each question are shown in brackets
 use this as a guide as to how much time to spend on each question.
- Calculators may be used.

Advice

- Read each question carefully before you start to answer it.
- Check your answers if you have time at the end.

Turn over ▶



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SECTION A

Answer ALL questions. Write your answers in the spaces provided.

Some questions must be answered with a cross in a box ⊠. If you change your mind about an answer, put a line through the box ⋈ and then mark your new answer with a cross ⋈.

You are advised to spend 30 minutes on this section.

Use the data to support your answers where relevant. You may annotate and include diagrams in your answers.

In a major reform of its command economy, the Cuban government will allow small private businesses to operate in most fields. Free market economists have long called for the role of small business to be expanded to help jump-start the economy and to create jobs. The part of the color of the co

(Source adapted from: https://www.telegraph.co.uk/news/2021/02/07/ cuba-allows-massive-expansion-private-businesses/)

(a) With reference to the information provided, explain **one** advantage of a free market economy.

(4) 3 Q01a

Free market economies allow individuals to Choose
their labour such that individual worker
can choose to specialize and train for
a specific profession, rather them be assigned labour by government & I:e.,
"a student in the USA studying to be a
doctor. This in theory pleads to a more
productive morke-force, as worken on
mure motivated to work in on industry
of these Choice.



(b) Which **one** of the following economic thinkers supported the idea of a command economy?

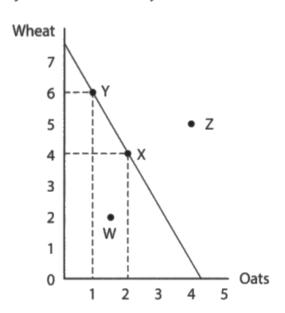
(1)1



- A Adam Smith
- **B** Friedrich Hayek
- C John Maynard Keynes
- D Karl Marx

(Total for Question 1 = 5 marks)

The production possibility frontier shows last year's harvest for a UK farmer at point X.



(a) Calculate the opportunity cost of the decision by the farmer to harvest 6 units of wheat this year at point Y (movement from point X to point Y).

(2) 2 Q02a

$$X = 2 \times 4 = 8$$

Y= 6×1= 6
The opportunity sq'is / unit of Sati.

......

(b) Explain the impact on efficiency of producing at point W in the following year.

(2) 2 Q02b

All factors of production are being conder-atilised, such that the UK farmer

Maximum productive potential, there is.

Spare copulity and spar revocas

not fally deployer.

(c) Which **one** of the following would be most likely to help the farmer reach point Z?

An increase in

(1)1

- A investment in milk production machinery
- **B** investment in modern farming technology
- C the demand for wheat
- **D** the price of oats

(Total for Question 2 = 5 marks)

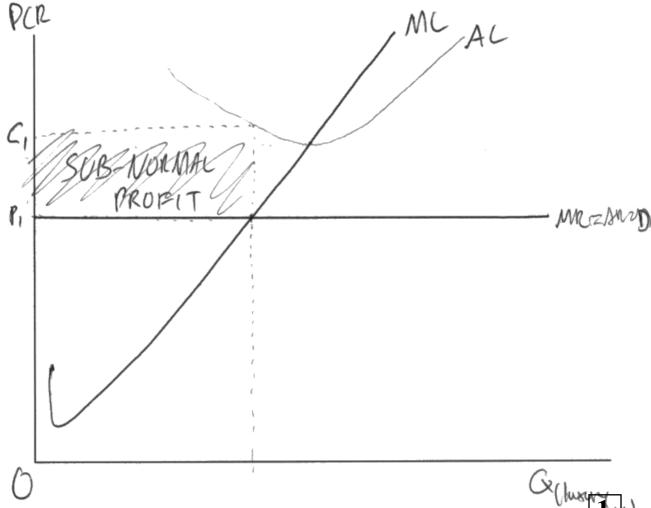
- 3 A luxury brownie baker is faced with falling demand as incomes fall.
 - (a) The likely income elasticity of demand for a luxury good is:

(1) 1

- **B** −0.74
- **D** +3.40
- (b) Small local bakeries have many of the characteristics of monopolistic competition.

Draw the short run profit maximising equilibrium of a **loss-making** luxury brownie baker.

(4) 0 Q03b



(Total for Question 3 = 5 marks)

BLANK PAGE QUESTION 4 BEGINS ON THE NEXT PAGE.

4	An annual season ticket for a train journey between London and Reading is planned to increase from £5 044 to £5 664 in 2023.
	(Source adapted from: https://commonslibrary.parliament.uk/ how-much-could-rail-fares-increase-by-in-2023-and-why
	(a) With reference to the information provided, calculate the percentage change in

the price of an annual season ticket.

(2) 2 Q04a

= change in price × 100 6 riginal (5664-50441 × 100 = 12.291 5044

Annur = 12.3(1.d.p)/0

(b) Explain the likely impact of the increase in price of a season ticket on consumer surplus.

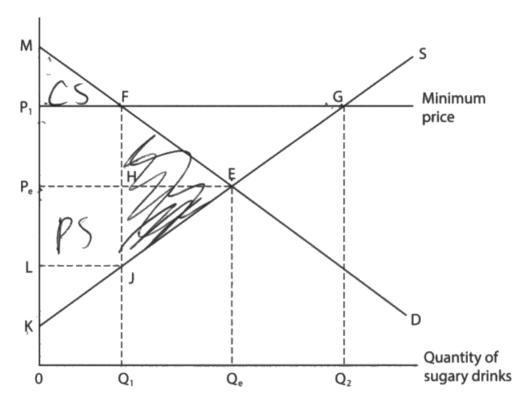
(2) 2 Q04b

Conjumer Supplies will be probable it will the price level distance between decrease as a prices conjument ove willing to pay and the new price (\$5664)

is larger, then the old price (\$55044).

The diagram below shows the demand and supply for sugary drinks.

Price of sugary drinks



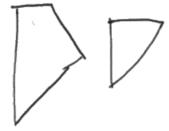
(c) Which **one** of the following areas represents the *change* in producer surplus when a minimum price is imposed?

A FEP_eP



C GEP_eP₁

☑ D GKP₁

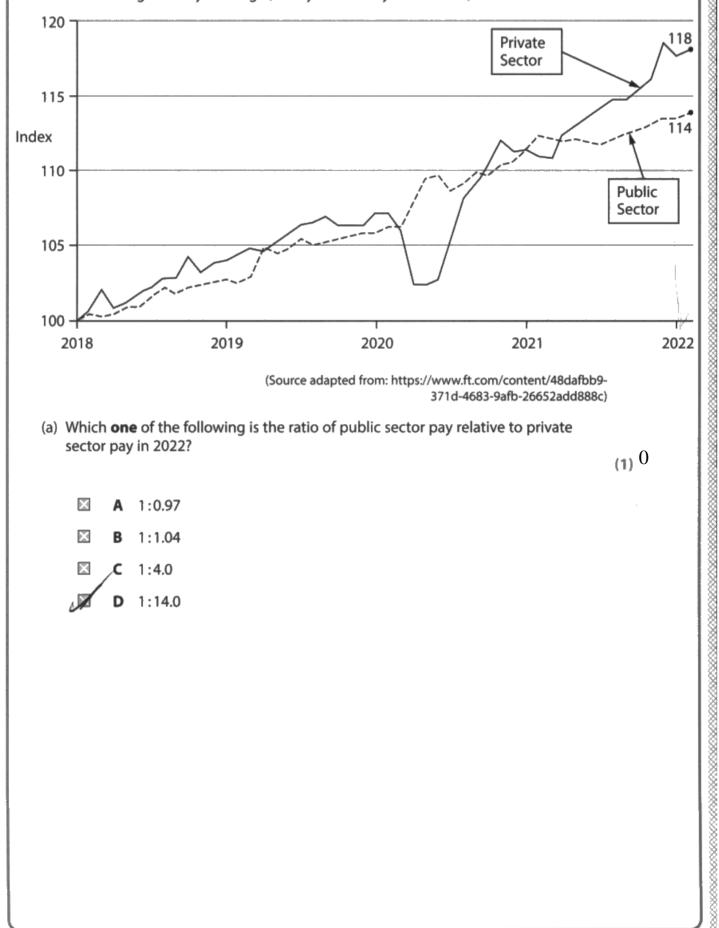


(Total for Question 4 = 5 marks)

(1)

Index of pay in the public and private sector.

Nominal average weekly earnings (base year January 2018 = 100)



(Source adapted from: https://www.ft.com/content/48dafbb9-371d-4683-9afb-26652add888c)

(a) Which one of the following is the ratio of public sector pay relative to private sector pay in 2022?

(1) 0

- 1:0.97
- X 1:1.04
- 1:4.0
- 1:14.0

(b) Over 90% of nurses work in the public sector. Nurses in the public sector have experienced wage rises lower than those in the private sector over the past 10 years.

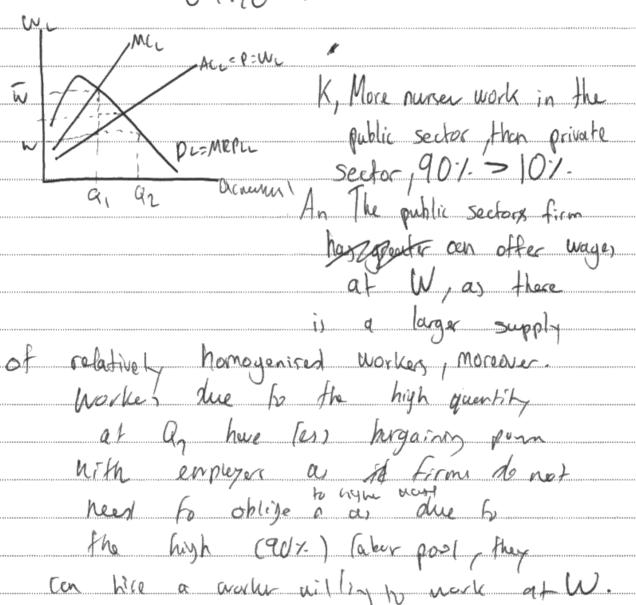
(Source adapted from: https://www.nuffieldtrust.org.uk/resource/chart-ofthe-week-real-terms-nhs-staff-pay-from-2010-to-2020)

Using the information provided and the concept of monopsony, explain why nurses in the public sector have had lower wage rises than those in the private sector.

09:10

09:24

(**4**)4 Q05b



(Total for Question 5 = 5 marks)

TOTAL FOR SECTION A = 25 MARKS

SECTION B

Read Figures 1 and 2 and the following extracts (A to C) before answering Question 6.

Write your answers in the spaces provided.

You are advised to spend 1 hour on this section.

Question 6

The UK online streaming services market

Figure 1: Market share of UK online streaming services

	Q2 2021	Q3 2021	Q4 2021	Q1 2022	Q2 2022
Amazon Prime Video	37.9%	41.1%	45.0%	27.1%	25.9%
Disney+	16.0%	17.7%	19.3%	14.1%	21.5%
Netflix	15.0%	10.5%	5.0%	9.4%	4.5%
NOW	11.3%	11.2%	5.6%	11.0%	11.1%
AppleTV+	4.0%	5.5%	7.3%	9.2%	9.9%
BritBox	4.0%	3.0%	5.7%	6.0%	5.9%
Others	11.8	11.0%	12.1%	23.2%	21,2%

(Source adapted from: Kantar, Worldpanel Division Geotech 2022)

Figure 2: UK online streaming services - monthly fees

Streaming service provider	September 2022
Netflix premium (4 users/ultra HD*)	£15.99
Netflix standard (2 users/HD)	£10.99
Netflix basic (single user/non HD**)	£6.99
Amazon Prime Video	£8.99
Amazon Prime Video – Student price	£4.49
Disney+	£7.99
AppleTV+	£4.99

^{*}This is the highest quality picture currently available

(Source adapted from: https://www.radiotimes.com/tv/whatto-watch-tv/best-streaming-service-uk/)



^{**} This is the basic quality picture

Extract A

How Netflix makes use of behavioural science

In the last few years, companies have been trying to find ways to attract the attention of customers. Various streaming platforms such as Netflix, Amazon, and YouTube use 'nudges' to influence consumer behaviour. The 'next-up' feature on Netflix or 'auto-play' on YouTube has been subject to research that relates it to binge-watching. Binge-watching is the practice of viewing for a prolonged period, multiple episodes of a TV show or several films in rapid succession.

5

Similarly, the policy of offering a one-month free subscription under the label of 'free trial' requires credit card information to turn the forgetful subscriber into a potential paying one. Following this strategy, Netflix has expanded to 190 countries in just seven years and according to the Wall Street Journal, the company generated total revenue of over \$5.2 billion in 2019, which was an increase from 2018 of around \$4 billion.

10

However, 2022 data shows that consumers, increasingly worried about the rising cost of living, are turning their back on Netflix. With a reported cancellation of over 200 000 subscriptions in the first quarter and another two million forecast to leave by the end of the year. Subscribers are rethinking their commitment to the streaming services that grew their numbers sharply during the home-based months of the global health crisis. Netflix subscribers have also quoted a decline in value for money and satisfaction with the quality of the shows as key motives for cancellation.

15

Disney now see higher satisfaction rankings than Netflix across the quality of shows, amount of original content, number of new-release films, variety of classic films and amount of kids' content. Forecast cancellation rates for Disney+ fell to an all-time low of 3.2%.

20

(Source adapted from: https://www.novanudge.com/post/sludge-on-demand-how-netflix-makes-use-of-behavioural-science https://www.theguardian.com/media/2022/apr/20/netflix-shares-fall-losing-subscribers)

Extract B

The economics of price discrimination

Throughout 2022, Netflix, a 100-billion-dollar company, increased prices in the US, Canada, the UK and Ireland (most of which saw similar price increases in 2021, too). In sharp contrast, Netflix recently announced it was reducing its prices in India (standard/2-user 499 rupees a month, equivalent to £5.42) in a bid to compete with Disney+ and Prime.

5

UK students currently enrolled in a college or university who have a valid student email address can join Prime Student through the Amazon website. This gives them nearly 50% off a standard Prime membership and many other exclusive benefits.

(Source adapted from: https://help.netflix.com/en/node/24926/in)



Extract C

Educational Website and TV Programmes

BBC Bitesize is a learning platform created by the BBC in 1998. The online study resource allows parents to teach their children from home, using ready-made lesson plans and study guides with questions for all ages. The revision sessions are free to watch and they are available for children aged five up to their late teens. The guides are written by teachers and subject experts, so they are reliable and follow the National Curriculum. Last year Bitesize attracted around two million weekly unique browsers with a peak week of 3.3 million in the GCSE exam period.

5

Oak National Academy is a freely available learning resource website created for pupils aged four to sixteen. Launched in 2020, as a response to the global health crisis, the website includes lesson slides, video lessons, worksheets, and quizzes conforming to the national curriculum in England. Ministers have set aside £43 million to fund the Oak National Academy over the next three years.

10

(Source adapted from: https://www.bbc.co.uk/bitesize/articles/zmjdhbk https://www.structural-learning.com/post/oak-academy-a-teachers-guide#:~:text=Oak%20 National%20Academy%20is%20a,the%20national%20curriculum%20of%20England)

6 (a) With reference to Figure 1, explain the market structure that best describes the market for UK online streaming services.

(5)

(b) With reference to the information provided, assess whether Netflix subscribers behave rationally.

(10)

(c) With reference to the information provided, examine the likely numerical value of the cross elasticity of demand between UK online streaming services.

(8)

(d) With reference to Extract C, discuss the likely private and external benefits of viewing educational websites and TV programmes.

(12)

(e) Using examples from Figure 2 or Extract B, discuss the likely impact of price discrimination on a firm's profits. Use a relevant diagram to support your answer.

(15)

(a) With reference to Figure 1, explain the market structure that best describes the market for UK online streaming services. (5) 3 Q06a structure can be said to be digop firms with marke cre Q2 2021, Q2 2021, Q, 2022, a, 2022, suid that this market structure is 4 largest firms selling slightly product House manopolatic, Q4 2021 han monopoly. evaluate in SR period, the market as it is only in 2 quaterner, persons appear monopolistic monopoly appears and appear & oligopolisti in lon

(b) With reference to the information provided, assess whether Netflix subscribers behave rationally.

(**107** Q06b

consumer can be said to behave rationally, Computation error is not shown possessed by a majority of consumer, the increase in (cost of living would cosult in a price markers for Notflix Subscription, they the 200,000 subscrib who have left, made a computational decision in which they decids whether the price difference (in this case price increase) justifier a monthly subscription, to which a "terther two million are torcasted to love Howere, it can be argued forgetful subgaribes who forget to concel "free frials" is an indicator of irrational economic behavior as they possess both inectia (fundency to not change), in this instance "Change" by consciously making the effort to concel subscription - but also that they display human error-as the consumy economic agent, may have it got at their nature they are togetful, To evaluate, while the Forgetful aspect of not remembers, to cancel free friely is a sign of inertia Chunan error, extract A provides no scale of magnitude perhaps due to information gaps in no way to conte every consume did they forget to concel free fre this evidence and be arighted against the i) a part generalisation to ever Consumer of

left and the "two million" foreceister, chose to because of an asserence of calculating prize differences, as not value the product because they have and do not calculate priz diffuu Shey Marinising Hotal consumer untility



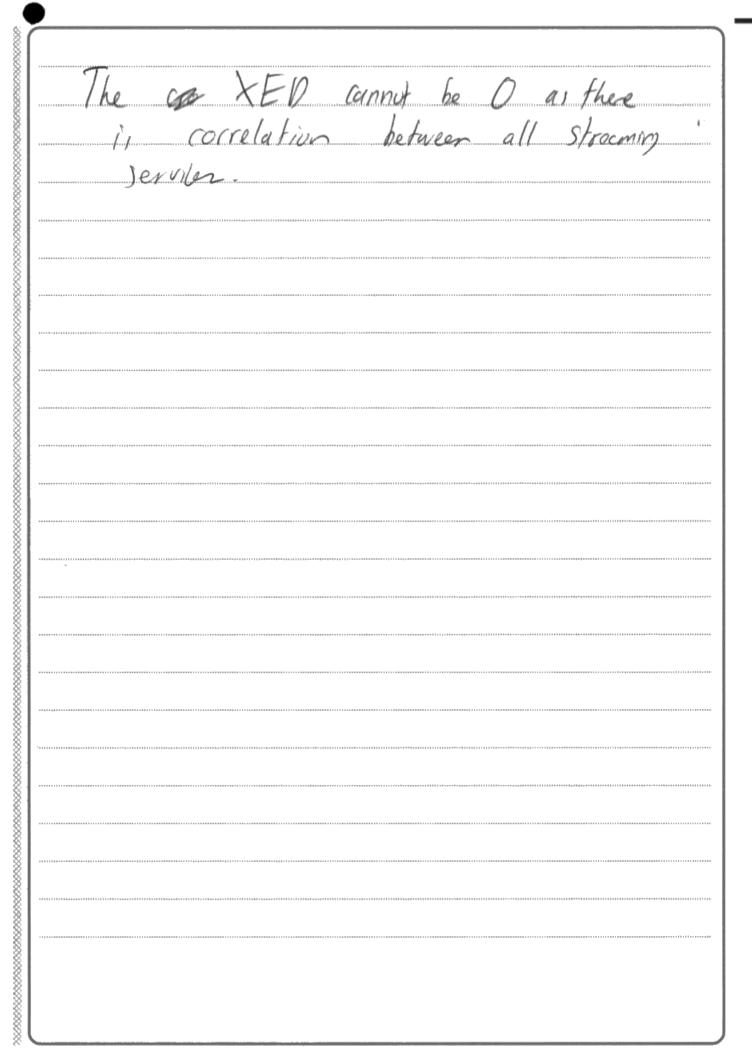


(c) With reference to the information provided, examine the likely numerical value of the cross elasticity of demand between UK online streaming services.

09:41

(8) 4 Q06c

1) The cross elasticity of demen is
likely to be positive but not
= 1 , a the although Figure 2 to fable
UK streeming services they are not
perfectly homogenous, for example
Amuron prime video are perhaps closest to
2, due to the \$2 price difference paths
then Nefflix premium and Nefflix busic, as for
some consumer picture quality may be a
his factor in deciding which subscription to prochure
Herene, to evaluate this assumer Ceters) purihus, whereas
esclusive & TV-shows only available to them e.g.
The Mambeloren likewise Mifflix alw does this
with shows such as Euphoria, stronger things therefore
the JED is closer to 0 e.g "O.2" as
these products are extremely differentiated. Henry
to counter-evaluate the fevel of differentiation and
XED, may vastly diffx between consumer, some consumers
Show, therefore buring price differences and
picher quality this XED may be closest to!





(d) With reference to Extract C, discuss the likely private and external benefits of viewing educational websites and TV programmes.

(12) 10Q06d

One likely private benefit of educational media websites and TV programmes to viewer is on increese Subject Knowledge such as a Viewer of a subject Knowledge such as a Viewer of a degle Medith advice i.e. duce sugar intake and exercise as Viewers a may improve their health, thus in the long-run experience a longer life expectancy perhaps in both long on and short -run experience GDL quality of life as , Seasonal depression may decrease (SAP) as views spend more fine outside. An external benefit to society may be less taking "sick -leave" and a "healthier" workforce, which in theory is more due for an improved moval from spending time outdoor, nortees are more metingly and take Pen time day, aft, inhution can grow due to an increuse in productivity. Morover such health-educational media, may act a, encourage conjune, glement goods "alcohal or eigenrates, this can reduce the need for government MANUATION OF A piguovian Sin health service Such as the

INERTIA NORMATIVE

NHS ? is "decreased waiting times" more hospital heds available However to counter-evaluate the term "educational" is highly normative it fannot he tested, as for what is "Educational" for one individual may wildly differ, moreone it can be argued it is too broad of a term, as Some programmes mux poisess some educationus elements it may overall be negligible, Such the magnifule and trate of penefits is small, to a minority viewership. Merce Antho, evaluative point is that Conjumes mat possess inertia, dupite reeing at health rik; "do', and glor't" from estications meslin, they may have no temberary to Charge despite their self agency In Conclusion any likely benefit, is not only speculative it 2 may soguin practice & all economic agents ore not perfectly as they are written by "subject courts out was cp to dule with the National agriculan they are ma none fue £43 million fully may further deeles, channel capacity to increase viewerhin number, so the scale at such medica







(e) Using examples from Figure 2 or Extract B, discuss the likely impact of price discrimination on a firm's profits. Use a relevant diagram to support your answer. (15) 1 Q06e PCM pun MR AR MZ likely imput of prile discimination a pleaser in Supernormal pratity such more clashic consumer in the Institut market are offered a long price to a month, this

decrees. However to evaluate, this assure that all consumer in the Indian Sub-market ore relatively clastic. Indian consumers on higher income knows may may be irelastic forums Netflix premius. 4, 42 A. illustrated by the diagram, a suggests a portion of viewer may be still consume at P, (as since they are or high income bunds they are more able In f 15.99 for premise, appear as a smala proportion of total income, thus have snaction and are not attracted to the new Py price for Sarie substitute. Therefore the saluction in profit may not take place at all, as rece are Still Inton Conjuer, he inelastic Submerket

However, to conter remule extoact B the viewship numbers for the new base plan of and how many India Consumer are on the Nefflix premium \$15.99 Moreour, postits may not decrase in the SR, as consumers may experience time lags in Fooling a substitute for Netflix at a lover price than £15-99 Such that profits may have only decrossed in the long-rang which assume consumes here mode a computational decision company changes in price between different strang provides



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SECTION C

Answer ONE question from this section.

Write your answer in the space provided.

You are advised to spend 30 minutes on this section.

EITHER

7 The average UK household energy bill (gas and electric combined) rose 80% from £1 971 in 2021 to £3 549 in 2022.

(Source adapted from: https://www.telegraph.co.uk/money/consumer-affairs/ energy-price-cap-rise-october-2022-what-happen-household-bills/)

Evaluate possible methods of government intervention to control household energy bills in the UK.

(Total for Question 7 = 25 marks)

OR

8 Using 2021 estimates of carbon emissions, it is estimated that a petrol car journey from London to Glasgow emits approximately 3.3 times more carbon dioxide per passenger than the equivalent journey by train.

(Source adapted from: https://www.gov.uk/government/statistics/transport-and-environment-statistics-autumn-2021/transport-and-environment-statistics-autumn-2021)

Evaluate possible methods of government intervention to reduce carbon emissions caused by road transport in the UK.

(Total for Question 8 = 25 marks)

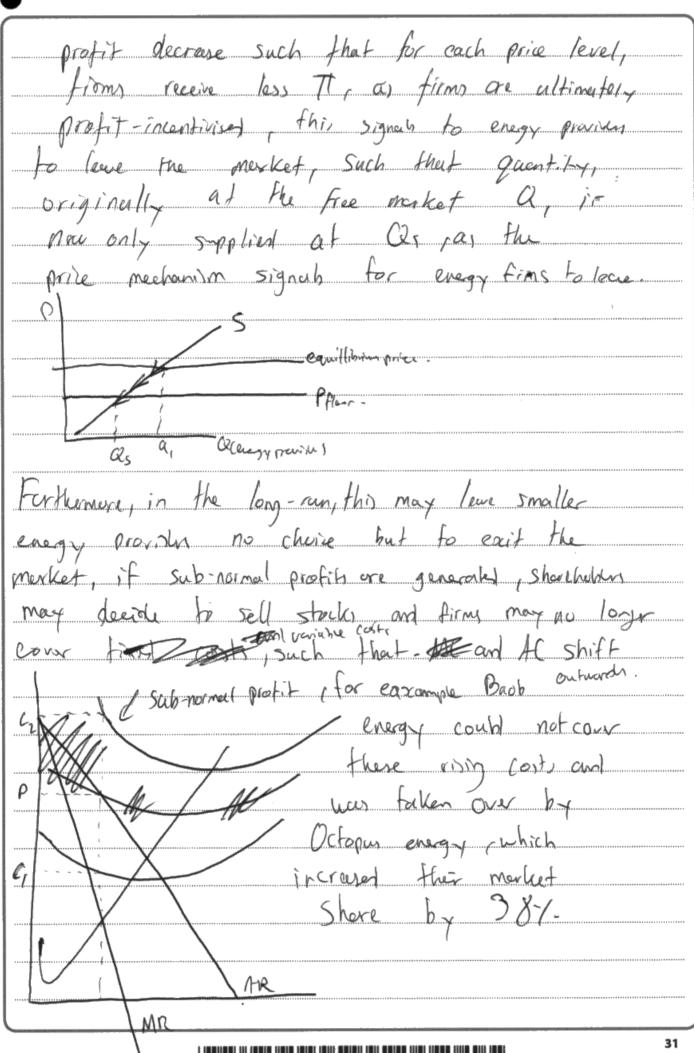
Indicate which question you are answering by marking a cross in the box ⊠. If you change your mind, put a line through the box ⊠ and then indicate your new question with a cross ⊠.

Chosen que	estion number: Q	uestion 7	Ø Ques	tion 8	L.	0 = 10=3	19SecC
Write your	answer here:			10-0	8 75	0 - 10-	70 - J
One	possible	govern	ment i	s the	introd	action o	<i></i>
а	maximum	price	on t	he o	mount	Consum	رعا
Ove	Charges	for	each	KWh	of	energy	; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ;
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distacted Mour, prize flour One penefit from such a scheme; the increase in (5, consumes on the lowest income bands may find this policy in their favor as they now may find this to be more affordable, as the old P, may have been regressive for them and intend their energy expenditure as put of their total spening became smaller, allowing them to have mure disposable income Mureover; a) lineary is a necessity some may argue the minimum price is absolutely necessary for comme jai it is essential every UK citizen con offer) energy he heet this hime Horary this i, an extremely corsury glance of for diagram, while yes the price mechanism is distorted in the favor of commen, a legal price newtimen floor in imposed per kult of energy firm,

2050520/30



This may not be in the consumer long mure likely jit point A = competitive Collusion point B- champeretily collusion restances such as the takeour of Back by Ochopus may be illustrated by point A morns B such that consumer now pay the new Po rather than the Pi cuhich was Mocatively efficient However, to evaluate this assumes that firms despite the decruse in It connect remain the market by cutting ofte venable cost - fake for ins Octopu who Femilias provider despite the energy princass by slashing this returns Schemes and signage bonuser;

threfore if can be organist that in the long-con, firm, may still comein in the market, keeping of relatively Competitive and not more to point B. On the other hand, it must be noted this scheno may be very regressive, Old outstrips as which leads to exceen demon, this may leave some consumer anable to "heet home for ainter" and may be denotory for eldery consumer unable to obtain on energy provide. However, this may be Very speculative as in the CR I demand for every is clastic as consumer, may choose to use around -stoves is heat their home, thus aroiding He probles of law as. Another counter-evaluative point for the assurption governments will place the legal meximum price floor on allo the allocatively afficient point, government possess incomplete information such that it is not possible to gather the optimum prize for on entire energy morket as descrip on a consumer income the pring floor/family size, they may execute to many mode whi of every textumere, Text Theren Max's pledge to launch got maximum give 1) they been a throng example of this her speech was liftered with



normative words such as "rip-oft provider, broken market, enfair prices, these count he positively testes true or false and Suggest the garanment price flow is not one which is allocatively efficient due su normative reesoning and lack of information or alm the allocatively efficient point is Forthermore the magnitude of the price level 110% decroise A illustraly a lo hypothetical 10%- decrene may negligibly lead to be a solominuk inward shift of a to an outness shift

In Conclusion, while three are benefits to consumer such

a) a much leger CS aren is the drowback, are much larger.

A. Millon Friedman Say, I think the governest solution

to a problem is often more and three is a smake stack

On the back of energy of verment programme, such that

If can be argued that if would

SEE ANSWER SHEET

TOTAL FOR SECTION C = 25 MARKS 19
TOTAL FOR PAPER = 100 MARKS

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•	ADDITIONAL	ANSWER	SHEET
•			

ASL1

Candidate name	4	Centre number
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Paper reference

Candidate number

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Question Number	he orguably hefter to love the Free
	market alone and rely or intra
.4,	- competition between firms, to
	remove inefficient firm, and
	encourage innovation within xival,
	a) Bursh economist Bose-up suggests
	"pecessity is the methor of
	all innovation to reture price
	levels by technologina advancement,
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	change for collasion, people anable to
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Turn over ▶



