

Please check the examination details below	before entering your candidate information
Candidate surname	Other names
AHMED	ABIO
Centre Number Candidate Num 1 3 2 7 7 3 1 6	0
Pearson Edexcel Level 3	3 GCE
Thursday 18 May 202	23
MOUTING CHINE: Z HOUISI	Paper 9ECO/01
Economics A Advanced PAPER 1: Markets and Bus	iness Behaviour
You do not need any other materials.	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 guestions 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 ▶





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.

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

> > (4)

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

One advantage of a free-market economy
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will allow snull private businesses to operate many
enterprenance ba factor of production) will only the
market These entreprenance will bring innorthing
the pre-market and all different goods.
This will all mately enhance consumer
whoice which is an expert to ensure

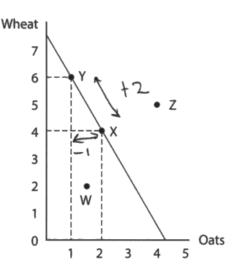
(b) Which **one** of the following economic thinkers supported the idea of a command economy?

(1)

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

(Total for Question 1 = 5 marks)

2 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).

At point X the James produces 4 units of what and 2 units of outs. When anony to post Y, he units produced or wheat increases by 2 Uh 6 units) I but here is an opportunity cost of producing 1 less unit of outs.

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

when producing at post we he parent will be operating inexpiciently. This is because all factors of production are not fully and expiciently employed. Therepre he parent can not operate at full capacity.

(2)

(2)

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

An increase in

(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:

$$\sqrt{G}D = \frac{2.004}{2.004} \tag{1}$$

- B −0.74 *
- C +0.74 >

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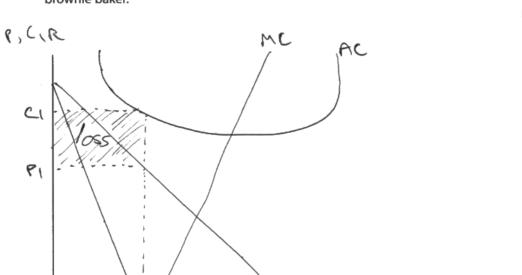
■ D +3.40



(b) Small local bakeries have many of the characteristics of monopolistic competition.

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

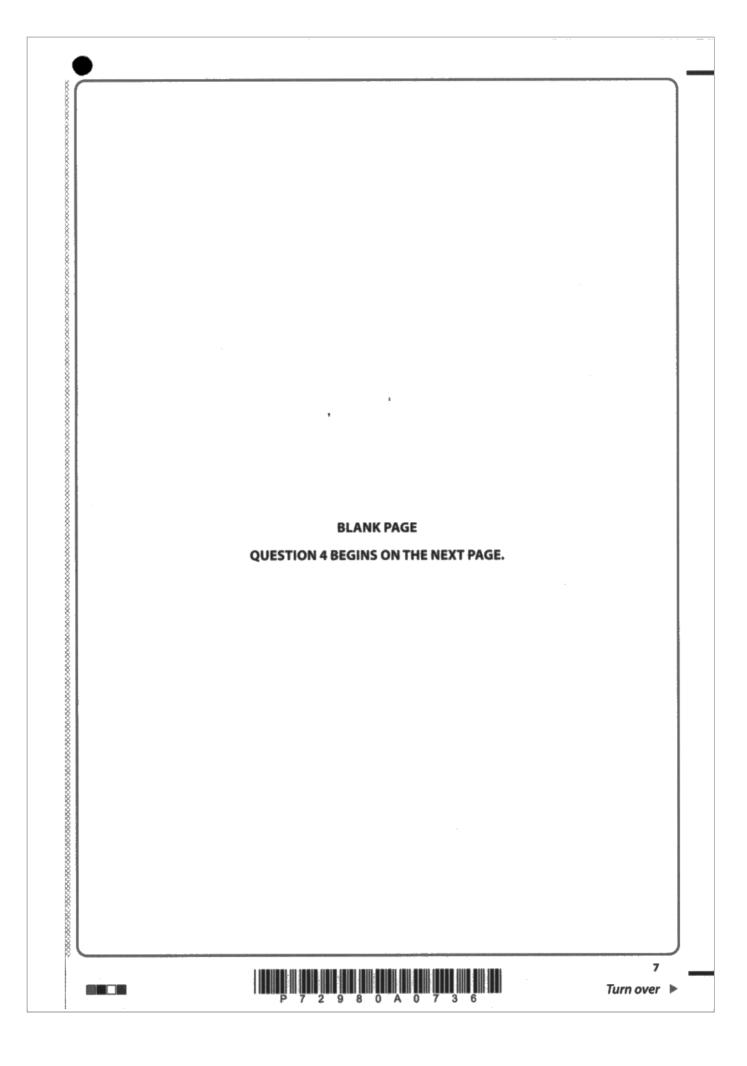
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(Total for Question 3 = 5 marks)

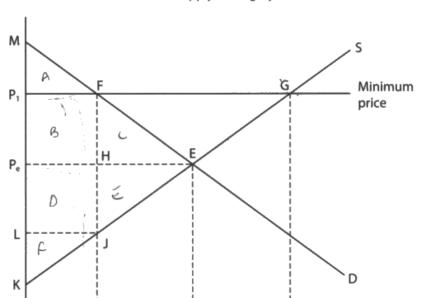
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	An annual season ticket for a train journey between London and Reading is planned to increase from £5 044 to £5 664 in 2023.	
	(Source adapted from: https://commonslibrary.parliament.uk/ how-much-could-rail-fares-increase-by-in-2023-and-why)	
	(a) With reference to the information provided, calculate the percentage change in the price of an annual season ticket.	
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	7100 = 12.29	
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((b) Explain the likely impact of the increase in price of a season ticket on consumer surplus. (2)	
	The increase in price (\$5044 to \$5664)	
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	ul/mutely conses the decrese in consumer on	phs.
	7	

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

Price of sugary drinks



PSI T BOF

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

 Q_{e}

(1)

Quantity of sugary drinks

0

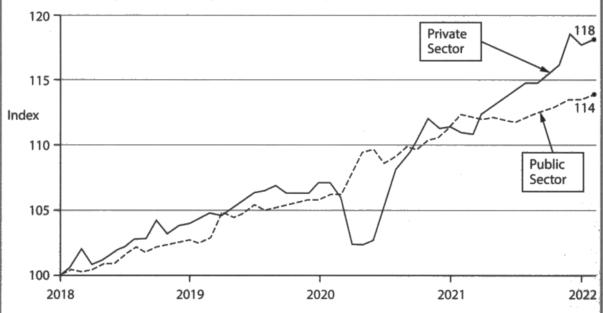
Q₁

(Total for Question 4 = 5 marks)

 Q_2

5 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)

A 1:0.97

■ B 1:1.04

☑ D 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-of-the-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.

(4)

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(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

	ACTIVITY				
	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

** This is the basic quality picture

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



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)



6 (a) With reference to Figure 1, explain the market structure that best describes the market for UK online streaming services. (5) PILIR confetime online 4C=MC ((86) ruconlike Acsciles smohne which best an olispolishic Mis stygests Trica

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

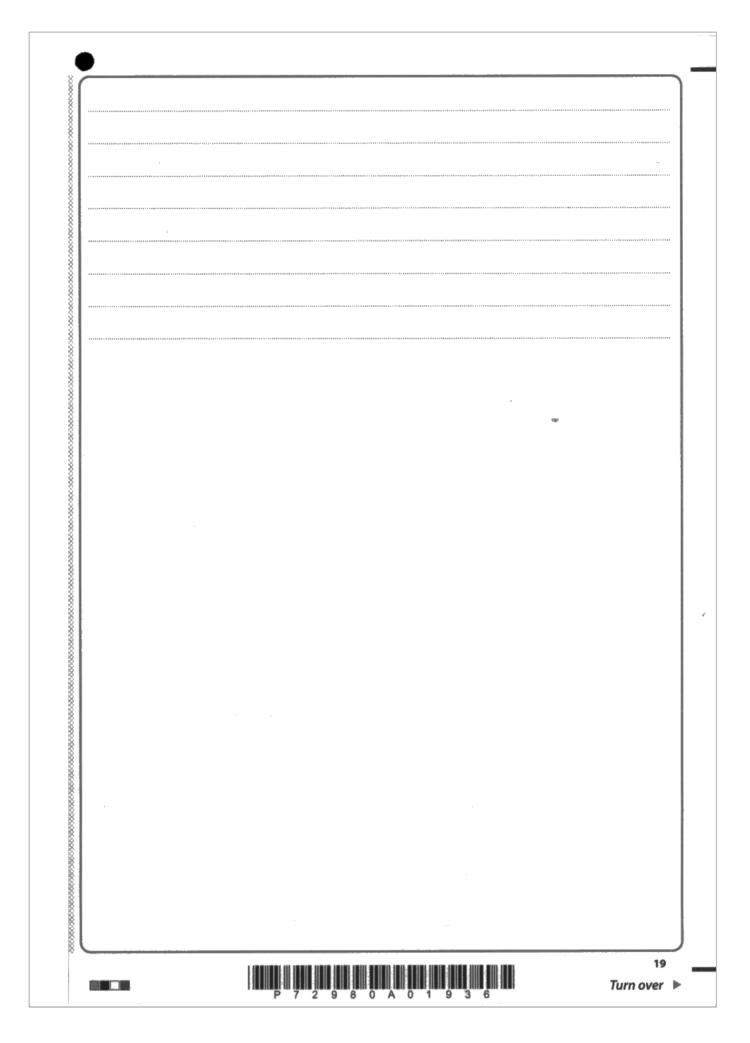
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Notether Subscribus can also be demed as informer second computational weakness - the institute or annillibraces to now complex decisions. In this instance, the instance would be parchesing Notether Which is more expansive



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(c) With reference to the information provided, examine the likely numerical value of the cross elasticity of demand between UK online streaming services. (8) Cooss poise distriby of demand (XED) is the responsioness of grankly lamited of Good A given a Name i price of Good B.

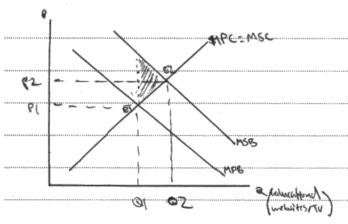
XED = XAIR Old of Good B. The likely numerical value of XED between TK online streaming services is : XED < 1 BAIN OF Good B subdime -Q(bookA) XEO will be goater than I as online strongly Services are substitute goods. Theregore it prices for Nebplix goes up to September 7022), he ganting so- Apple TV+ warmend will go up with is priced below Netzlik at £4.99. Consider the elistic (highly reporte) change in pie of one only fromy Honover, the XED might actually be inclusive. and when: OAXEDERA OK XED KI.

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

(12)



There is a positive external benefit at the struct of conscription then viewing educational websites and TV programmes. BEC Sitesize offers free exister essens which altered with a marky boomses. This position of education, when consumed allows students to gain skills and understanding. Subsequently, their qualifications (e.g. SATS, OCSES, A-levels) will be excer to other and at a house standard. In the lang-own this will then a spill-over spect outs 3rd parties is such as employers and James. Firms will beneft from higher qualified makes which will increase their productionly and which have productionly and which have productionly and whom they have productionly and whomally their productionly and whomally their productions would benefit is a reafter than

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(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. PSCIR PILR Monket Inclusive submushet PICIR Elactic sommet £899-PZ Gt-(Amzon)



he diagram about. TT2+ TT3 15 greater man ITI which is he months price trype, price disconstitu com achieve growther proprite by togethy specific submarkets to generate proxit more revenue and Monary propits from price downimms relies benily on the concentration Kongetting the night. The UK on the streng service is an olisppolishic muket - are other produces who can supply similar servies at a lone pice. For history AppleTU+ change only 24.99 norses he mother. Mis will eat into Amoun's proxits Amora's prices for he helpstic muchet is mit higher Am that of Apple's Ag result rebuis will switch from Pome to
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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  $\boxtimes$ . If you change your mind, put a line through the box  $\boxtimes$  and then indicate your new question with a cross  $\boxtimes$ .

Chosen question number:	Question 7	×	Question 8	
Write your answer here:				



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he funlity of care pound decrease from Q1 > Q2. This purher internalies he reality of proling ars and the dead weight - loss area Chaded is on diagram) is removed this shows a form of government which can exceed where carbon emissions in the UK cansed by good boursport. Money his departs on wheher he government has the correct in pornition Wen imposing the tax It is difficult to measure the optimal size of a fax as the governut too suffers pm upor nutur gaps. Theyare, the somet my impose à four which is too low and does not exceeding retime me production of cars and so does not retue carbon emissions. Furtherme The impostin 67 Fre lax my onse polices to opposite their poluting this will rethe emissions In he W sur not glosely with is not all completely successful.



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

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