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Candidate surname		Other names		
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<b>Time</b> 2 hours	Paper reference	9EC0/03		
Economics A				
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PAPER 3: Microeconomics and Macroeconomics				
You do not need any other materia	ls.	(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 two sections in this question paper.
- In Section A, answer **all** questions 1(a) to 1(c) and **one** question from 1(d) or 1(e).
- In Section B, answer **all** questions 2(a) to 2(c) and **one** question from 2(d) or 2(e).
- 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.





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### **SECTION A**

Read Figure 1 and the following extracts (A to C) before answering Question 1.

Answer ALL Questions 1(a) to 1(c), and EITHER Question 1(d) OR 1(e).

Write your answers in the spaces provided.

You are advised to spend 1 hour on this section.

**Question 1** 

The food delivery industry

Figure 1: Market share for third-party food delivery services in the UK, 2019



(Source: adapted from https://onefourzerogroup.com/the-takeaway-takeover/)



### Extract A

### National Minimum Wage rises are more significant for 23 to 25-year-olds

In 2021, the National Minimum Wage main rate, also known as the National Living Wage, rose by 2.2% to £8.91, following a 6.2% rise in 2020. By reducing the age at which people are eligible for the National Living Wage to 23 in 2021, it is estimated that an additional 7.5% of 23 to 25-year-olds could get a 71p an hour pay rise. This amounts to an 8.7% increase, which may cause further financial worries for employers.

(Source: adapted from https://www.ndna.org.uk/NDNA/News/Latest\_news/2020/ Minimum\_wages\_to\_rise\_by\_inflation\_in\_April.aspx)

### Extract B

### What is the true cost of the food delivery service?

The food delivery industry has boomed in recent years. Just Eat, Uber Eats and Deliveroo all offer very similar services – third-party food delivery firms that take up to 30% of the price of restaurant meals and deliver them to customers within a certain radius. The average spend per customer is around £15 with a £5 delivery fee, about five times more expensive than cooking at home and the same price as eating in the restaurant. Cash rich, time poor professionals increasingly turn to food delivery.

Food delivery comes with many layers of packaging. In the UK, there are 200 million meals annually with around 1.4 billion individual pieces of plastic for heat retention and protection when travelling, but does it really have to be plastic? People tend to order more food, often high in fat, sugar and salt, and don't even have to get up from their sofa.

But there are concerns that the delivery firms are exploiting employees who have no alternative. There is an issue of low pay and informal contracts. Delivery drivers are classed as 'independent contractors', and therefore not subject to some employment rights including a guaranteed minimum wage, sick pay, pensions or holiday pay. Drivers are paid either a flat hourly rate, or a fee per delivery. Factors such as delivery distance, speed, how busy it is and whether there are multiple drop-offs are all factored into how much a driver is paid. Deliveroo says its wages amount to around £10 per hour, but drivers say that during 2020 their pay has been as low as £1 per hour. Drivers are not paid extra for petrol or to maintain their vehicles. Many drivers are recent immigrants or students, who do not have property or savings to fall back on.

The government could address this with widening minimum pay legislation to contracted workers, by setting codes of practice, or by setting recommended wage targets. Furthermore, there are health and safety issues for workers. Vehicle safety checks, length of shifts and safety equipment are of concern. However, there are still people who take benefit from working flexibility.

(Source: adapted from https://www.theguardian.com/australia-news/2020/oct/25/home-food-delivery-what-is-the-most-ethical-way-to-order-in and https://digitalcommons.molloy. edu/cgi/viewcontent.cgi?article=1043&context=bus\_fac)



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### Extract C

### Integration in the third-party food delivery industry

The Competition and Markets Authority (CMA) is watching carefully to prevent any one firm having complete control of the food delivery industry. Just Eat, the market leader, agreed to merge with successful Dutch firm Takeaway.com in 2020, creating a new European leader by revenues. It also bought Grubhub in the US, with 20 million active users. Just Eat uses an aggressive pricing strategy, undercutting delivery fees below the average cost of other firms in the market, that will force them to merge in order to gain some economies of scale.

Amazon, having failed with its own delivery company Amazon Restaurants in 2018, has bought 16% of Deliveroo. The CMA took over a year to agree to the partial integration, on the argument that Deliveroo would close down without external investment. Amazon has unique expertise in marketing, increasing customer share and, most importantly, efficiency in delivering things. Food delivery is often uneconomical because a single household puts in a single order from a single restaurant at any one time. Tech companies such as Amazon can improve the business: once a meal has been ordered, an app often moves that restaurant to the top of the rankings for that neighbourhood, in the hope of getting a second and third delivery.

So why do restaurants turn to these delivery firms? The sheer volume of customers these delivery firms can hold makes it a difficult deal to turn down. But resentment from small business restaurant owners, angry at being wholly dependent on tech companies, is growing. Most restaurants would prefer that customers come in and pick up their orders themselves because they do not have to pay the 30% commission. Restaurant profit margins are small, and the effects of a 20% fall in the external value of the pound since 2016 on food costs are significant, given that over half of their food and drink is sourced outside the UK.

(Source: adapted from https://www.ft.com/content/c20f6848-3c4b-11ea-a01a-bae547046735 https://www.ft.com/content/edf8a144-a101-4ef8-80e3-7d2f1565d35c and https://www.thisismoney.co.uk/money/markets/article-8138703/Uber-set-selltakeaway-division-rival-Deliveroo-two-years.html and https://www.ft.com/content/c20f6848-3c4b-11ea-a01a-bae547046735 and https://www.ft.com/content/bed7c4d8-28c1-11ea-9a4f-963f0ec7e134 and https://www.economist.com/1843/2021/01/26/gulp-the-secret-economics-of-food-delivery)



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(Total for Question 1 = 50 marks)

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### **SECTION B**

Read Figure 2 and the following extracts (D to G) before answering Question 2.

Answer ALL Questions 2(a) to 2(c), and EITHER Question 2(d) OR 2(e).

Write your answers in the spaces provided.

You are advised to spend 1 hour on this section.

### **Question 2**

Sub-Saharan Africa – growth and development

### Figure 2: Kenya population, millions, 1960 to 2020



(Source: adapted from Population, total - Kenya | Data (worldbank.org))

### Extract D

### Growth and development in Africa: 'Africa has a massive opportunity as a low-cost provider of services'

The outlook for Africa's economies is not as simple as the Lewis model of growth and development implies: do more manufacturing or stay poor. Many countries are expanding into areas that economists are starting to call 'industries without smoking chimneys'. Some, such as flower-exports, may not be classified as manufactured goods in export statistics. But the process of producing flowers looks a lot like factory work and demands many of the same management skills. These industries also deliver many of the benefits of normal manufacturing, including many well-paid jobs, and greater opportunities.

> (Source: adapted from https://www.economist.com/special-report/2020/03/26/many-ofafricas-economies-are-doing-well)



### Extract E

### The demography of Kenya – 'Demography will shape Africa's future'

Falling birth rates, when accompanied by rising literacy, can help kick-start growth. In Kenya 39% of the population is below the age of 15, falling from 43% in 2009. The labour force (15–64 years) is 57% and is the fastest growing population group. 6% of the population is over the age of 60. The number of children per family has fallen sharply, from 8.1 children in 1978 to 4.6 children in 2008, and it is projected to possibly reach 2.4 children by 2050.

In the 1970s little more than half of children in sub-Saharan Africa were enrolled in primary school. That share has shot up to almost 100%. The statistic is slightly misleading, since the percentage of children regularly attending schools is nearer 60%.

Why does Kenya's population continue to rise rapidly, while family size declines? There are two reasons. First, due to high fertility in previous decades, there are many more families in Kenya today. So even though families are smaller, the total number of children continues to grow. Second, Kenyans are living longer, with better healthcare – for example, polio was eradicated in 2014. Life expectancy is projected to increase from 54 years today to 68 years by 2050.

28% of Kenya is urbanised, and is becoming rapidly more so. By the 2030s it is expected that 36% of Kenyans will live in towns or cities rather than the poorer rural areas. Rich countries are urban countries. No country has ever reached high income levels with low urbanisation. Large urban centres have two distinct economic advantages. First, as more people interact, there is more scope for innovation. Young people need jobs, but they also create jobs. Kenya has an educated workforce and a dynamic service industry, which typically has lower barriers of entry than agriculture or manufacturing, and provides opportunities for young entrepreneurs. Second, larger groups of population living in close proximity allow for economies of scale.

In light of these facts, Kenya's future pattern of population growth can be a force of good. A large urbanising and well-educated population tends to generate a strong middle class and vibrant private sector. Economic development may be easier to achieve and sustain – though it is not guaranteed.

(Source: adapted from https://www.economist.com/special-report/2020/03/26/ africas-population-will-double-by-2050 and https://kenya.unfpa.org/sites/default/files/pub-pdf/state\_of\_kenya\_population\_ report\_2020.pdf and https://www.worldbank.org/en/news/opinion/2010/04/28/ demographic-transition-growth-kenya)



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### Extract F

### Kenya has an absolute advantage in cut flowers

In the UK, 80% of cut flowers come via the Netherlands, although a significant proportion come from Kenya. Some Kenyan flowers come straight to the UK on direct flights from Nairobi, where entire terminals at certain airports are dedicated to flights exporting flowers.

Kenya flower production has three major advantages over the Netherlands: areas of high altitude with cool nights, which many flowers benefit from, proximity to the equator for maximum hours of sunlight, and cheaper labour. This means an end to seasonal production and the beginning of a 365-day-a-year absolute advantage. The Netherlands has cost advantages in machinery and transport equipment, not flowers.

Cut flowers are now Kenya's second largest export after tea, contributing around 1% of the country's GDP. They are also one of the country's largest sources of employment, with over 100 000 people working directly in the flower industry and an estimated two million indirectly.

(Source: adapted from: https://www.economist.com/middle-east-and-africa/2021/02/11/ kenyas-floral-exports-are-blooming-once-more)

### **Extract G**

### Changes in interest rates in sub-Saharan Africa

When Robert Matsiko was a young man his grain-milling business in eastern Africa was destroyed by fire. Now, after building it back up from the ashes, he is being hurt by high interest rates. To buy a new machine he must borrow from a bank at an annual rate of 22%. 'You fear to do that,' Mr Matsiko says. Many other entrepreneurs feel the same, which stops their businesses from growing, although very small firms can get help from microfinance schemes.

Kenya's central bank rate has fallen from over 20% to 7% in the last decade, but the rates charged to small businesses and individuals are much higher than the central bank interest rate. In sub-Saharan Africa, the gap between saving and borrowing rates is higher than anywhere else. The average bank lends at 6.8% above the central bank interest rate. Mobile banking, credit-information sharing and innovation have helped to bring borrowing costs down. But until birth rates fall, interest rates will stay relatively high, because families with many children cannot afford to save.

(Source: adapted from https://www.economist.com/finance-and-economics/2020/05/21/ why-interest-rates-are-so-high-in-africa)



- 2 (a) Explain what is meant by the Lewis model. Refer to Extract D in your answer.
   (b) Examine two demographic factors influencing development in Kenya.
   (c) Using the example of cut flowers (Extract F), discuss how the concept of absolute advantage may lead to growth in Kenya. Use numerical or diagrammatic analysis in your answer.
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   (d) Evaluate the microeconomic and macroeconomic effects of decreasing interest rates in Kenya, or another developing country of your choice.
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  - (e) Evaluate the microeconomic and macroeconomic strategies that could be used to promote development in Kenya, or another developing country of your choice.

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TOTAL FOR SECTION B = 50 MARKS TOTAL FOR PAPER = 100 MARKS
(Total for Question 2 = 50 marks)

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