

Economics Answers and commentaries A-level (7136)

Paper 1: Markets and market failure

Marked answers from students for questions from the June 2022 exams. Supporting commentary is provided to help you understand how marks are awarded and how students can improve performance.

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Answers and commentaries

This resource is to be used alongside the A-level Economics Paper 1 Markets and Market Failure, June 2022 question paper and inserts.

Context 1

Question 3

Extract C (lines 4–5) states that, as a result of trade union action, 'The hospital trust increased their £8.21 minimum wage to the London Living Wage of £10.75.'

With the help of a diagram, analyse how a trade union might achieve higher pay for its members.

[9 marks]

Mark scheme

Below is the levels of response marking grid which should be used to mark the 9 mark questions.

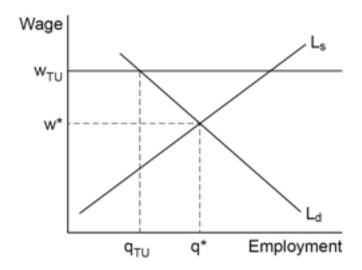
| Level of response | Response: | Max 9 marks |
|-------------------|--|-------------|
| | is well organised and develops one or more of the key issues that are relevant to the question | |
| | shows sound knowledge and understanding of relevant economic terminology, concepts and principles | |
| 3 | includes good application of relevant economic principles and/or good use of data to support the response | 7–9 marks |
| | includes well-focused analysis with a clear, logical chain of reasoning | |
| | includes a relevant diagram that will, at the top of this level, be accurate and used appropriately. | |
| | includes one or more issues that are relevant to the question | |
| 2 | shows reasonable knowledge and understanding of economic terminology, concepts and principles but some weaknesses may be present | 4–6 marks |

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| | includes reasonable application of relevant economic principles and/or data to the question includes some reasonable analysis but it might not be adequately developed and may be confused in places may include a relevant diagram. | |
|---|--|-----------|
| | is very brief and/or lacks coherence shows some limited knowledge and understanding of economic terminology, concepts and principles but some errors are likely | |
| 1 | demonstrates very limited ability to apply relevant economic principles and/or data to the question | 1–3 marks |
| | may include some very limited analysis but the analysis lacks focus and/or becomes confused | |
| | may include a relevant diagram but the diagram is not used and/or is inaccurate in some respects. | |

Suggested diagram

A labour market diagram is expected, showing how trade unions can negotiate for a higher wage than that prevailing in an otherwise competitive labour market. However, other appropriate diagrams should be given credit, for example a diagram showing the impact of a trade union negotiated wage in a monopsonistic labour market (such as the market for hospital workers in the UK), or a diagram showing a labour supply curve shifted to the left.



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Relevant issues include:

- definitions of trade union and pay
- explanation of the diagram, showing impact of higher wage and comparison with nonunionised wages. Analysis of impact on employment is not expected
- how a union may engage in collective bargaining for the benefit of its members
- explanation of types of actions taken by unions, such as strikes, work-to-rule, litigation, media campaigning, and how they can lead to higher negotiated pay settlements
- how a union may act as a monopoly supplier, or at least have some degree of monopoly power in the labour market
- use of extracts (particularly Extract C) in explaining how unions have acted to protect the interests of workers and secured higher pay.

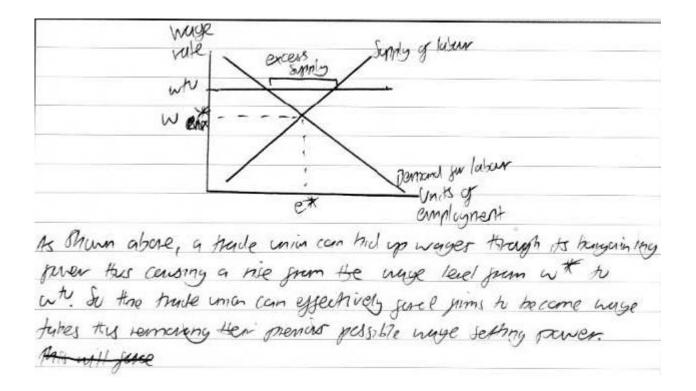
Student responses

Response A

A howe union is an enganisation where numbers come higher to be submitted solve the issues of their number, whether it he he improve numbing and horis or his younges.

Through the collectric transpaining power of a trule union, it will may cut to hid younges. Amough Its ability to gove jums to hid up anges is savilited by enaching strikes, wheretry numbers regule to go to number union is the Robish Medicat and when your cone example of a trade union is the Robish Medicat association in the diagram below, a trade union can collectively brigain a higher ange experting imposting a minimum price on the firm, severy frims to pay at the with level.

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This is a Level 3 response

This is a relatively high value response. The response is well organised and shows sound knowledge and understanding. It includes some good application of economics to the context, though there is little use of the data to support. There is some well-focused analysis with a clear and logical chain of reasoning.

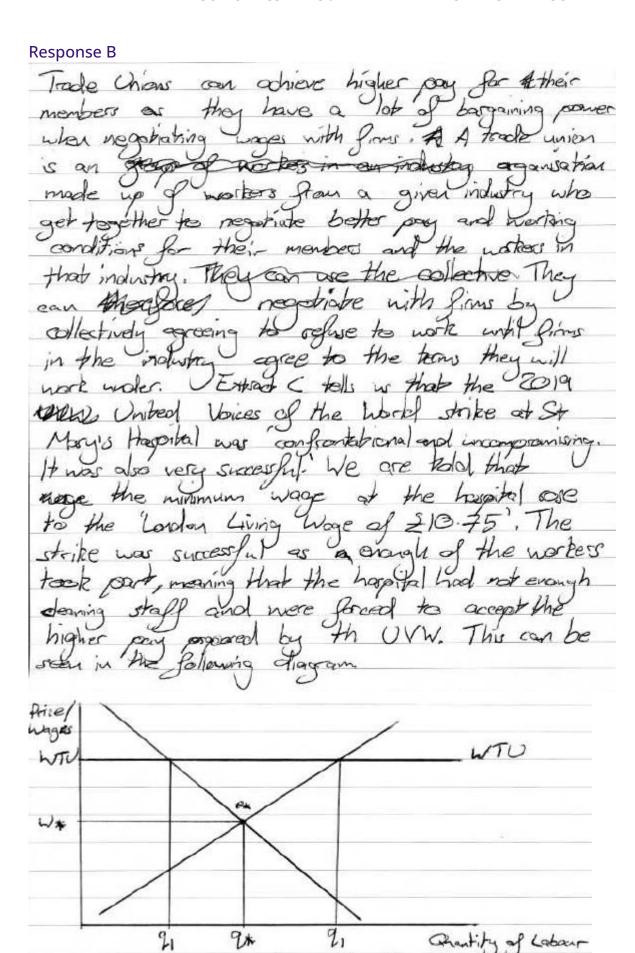
The student begins with an explanation of a trade union and its purpose. This is further developed as they analyse the collective bargaining power of the trade union. There is a brief reference to the 'UVW union' used in the extracts, but the context could have been developed further.

The student includes an accurately drawn labour market diagram which shows the increase in the wage. It might have shown the quantity coordinates at the higher wage, but this was not a focus of the question. The diagram is effectively integrated into the response.

Overall, this is 'just about' a Level 3 response. The student shows good understanding, but the analysis and context could have been slightly more developed.

7 marks

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| The diagram | n show how | trade unio | au an |
|--------------|----------------|-------------|-----------------|
| use their be | argaining son | er to regal | vake a higher |
| wage at W | the those that | of the ma | the equilibrium |
| without the | e intervention | of a tra | de mias |

This is a Level 2 response

This is a medium value response. The response includes issues that are relevant to the question. The student shows reasonable knowledge and understanding. There is reasonable application of relevant economics to the context, including good use of the data in the extracts. There is some reasonable analysis, but the diagram is very weak.

The student begins with a detailed explanation of a trade union and its purpose. This is supported by plenty of data from the extracts and leads into some reasonable analysis, which generally show good understanding of the issues posed by the question.

However, the response is spoiled by the diagram that follows. The intention is to show a labour market diagram, but none of the curves are labelled. The value of the analysis below the diagram is diminished as a result.

6 marks

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Question 4

Extract B (lines 16–18) states that, 'Gig economy defenders claim that today's flexible labour markets offer modern workers the opportunity to move freely between jobs and this gives them more choice over their working hours.'

Assess the view that government intervention in the UK labour market is necessary to protect the interests of people who are working in the gig economy.

[25 marks]

Mark scheme

Below is the levels of response marking grid which should be used to mark the 25 mark questions.

| Level of response | Response: | |
|-------------------|--|----------------|
| 5 | Sound, focused analysis and well-supported evaluation that: is well organised, showing sound knowledge and understanding of economic terminology, concepts and principles with few, if any, errors includes good application of relevant economic principles to the given context and, where appropriate, good use of data to support the response includes well-focused analysis with clear, logical chains of reasoning includes supported evaluation throughout the response and in a final conclusion. | 21–25 marks |
| 4 | Sound, focused analysis and some supported evaluation that: is well organised, showing sound knowledge and understanding of economic terminology, concepts and principles with few, if any, errors includes some good application of relevant economic principles to the given context and, where appropriate, some good use of data to support the response includes some well-focused analysis with clear, logical chains of reasoning includes some reasonable, supported evaluation. | 16–20 marks |

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| | <u>-</u> | |
|---|---|----------------|
| | Some reasonable analysis but generally unsupported evaluation that: | |
| | focuses on issues that are relevant to the question, showing satisfactory knowledge and understanding of economic terminology, concepts and principles but some weaknesses may be present | |
| 3 | includes reasonable application of relevant economic principles to the given context and, where appropriate, some use of data to support the response | 11–15 marks |
| | includes some reasonable analysis but which might not be adequately developed or becomes confused in places | |
| | includes fairly superficial evaluation; there is likely to be some attempt to make relevant judgements but these aren't well-supported by arguments and/or data. | |
| | A fairly weak response with some understanding that: | |
| | includes some limited knowledge and understanding of economic terminology, concepts and principles is shown but some errors are likely | |
| 2 | includes some limited application of relevant economic principles to the given context and/or data to the question | 6–10 marks |
| | includes some limited analysis but it may lack focus and/or become confused | |
| | includes some evaluation which is weak and unsupported. | |
| | A very weak response that: | |
| 1 | includes little relevant knowledge and understanding of economic terminology, concepts and principles | 1-5 |
| | includes application to the given context which is, at best, very weak | marks |
| | includes attempted analysis which is weak and unsupported. | |

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Areas for discussion include:

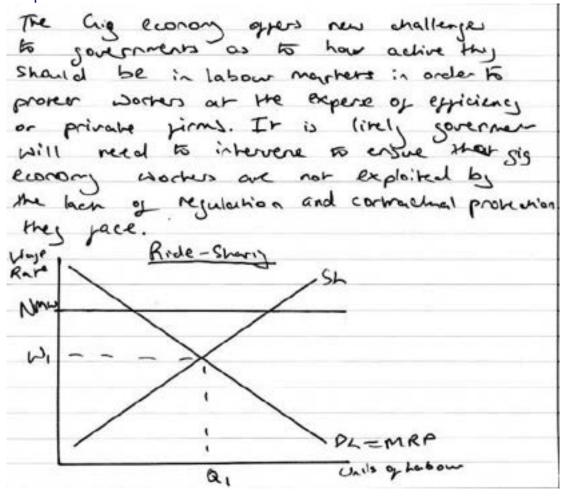
- explanation of the gig economy and the difference between terms of employment in the gig economy and standard employment
- discussion of the emerging trends that have contributed to the rise of the gig economy, such as technological progress and online commerce
- what is meant by the 'interests of people who are working in the gig economy'
- discussion of the reasons why some roles/industries are more likely to arise in the gig economy than others
- the benefits of gig economy work to the individual, such as: flexibility over hours, ease of switching between jobs, autonomy from having no supervising manager
- the costs of gig economy work to the individual, such as lower pay and fewer non-wage benefits (for example pension, health insurance, maternity benefits)
- analysis of why wages may be lower and working conditions worse in the gig economy than in the formal sector
- benefits and costs of the gig economy to firms and the wider economy, such as greater labour mobility, lower costs of production, economic efficiency
- discussion of the impact of the pandemic on the gig economy
- discussion of possible policies, such as legislation, raising minimum wages, guaranteeing minimum hours for all roles, redefining gig economy workers as 'employed' rather than 'self-employed'
- the argument that the need for government intervention is reduced by the existence and growth of trade unions representing gig economy workers
- the argument that the need for government intervention is reduced by the fact that some firms in the gig economy are improving conditions for their workers anyway
- use of examples
- market failure arguments
- government failure arguments.

The use of relevant diagrams to support the analysis should be taken into account when assessing the quality of the student's response to the question.

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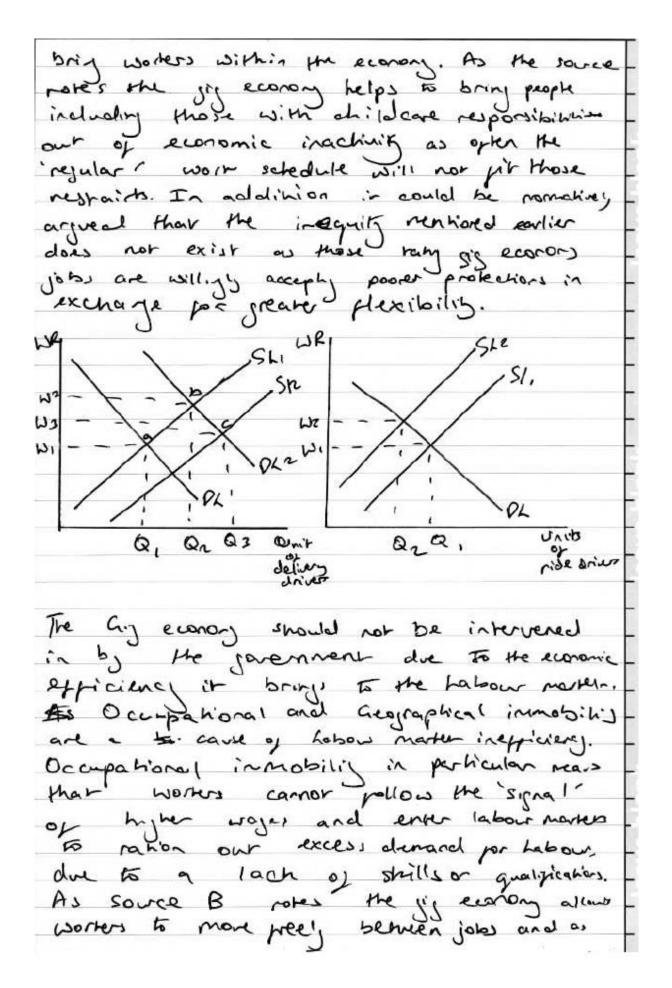
Student responses

Response A



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One possible intervention the government could consider to combat the insecurity of the his economy is to expand or inshing a minimum hourly rate to those deemed playou workers Exmac A suggests core of the workforce are already worky for playporme line are self-employed but real. I beholden to these large multinehorely for their ways. The dragan drawn at Shows the marker for ride-shoung. The Dage rate por the marter is determined by the maginal revenue product of the drivers and is thereby demanded by firms like ober and kept. The supply for Labour drives themselves offer their my and effort to Uber at higher rates for high wages. Where these meet the manter wage is set. Yet at this wage they are as Execut B noves, earning significantly (4) than those day similar work 'off plat pormalize's a black caps. This could normalize's be coult called inequireble and invienty a parton minimum in wage for any wortens arelistate this inequily. As sh above instituting a platform initialing would read to a higher work as the stamping limit would stop employers from supplying thir habour ar lower aucycraks. However, it should be roved that institution a minimum hourly wast of than would possibly mean the berigis looser corners



such improve labour marter ourcome. As shown above, a fall in the number of b change in consume haste heads to a rise in demand for delivery driners (is delivered). This leads to a rise in the ways rate from W' to we as worken demend higher word from deliveroo to ration our excess demand for habour at the previous equilibrium. As a result of this rise in wijes ride-share drives like those worth for Bolt or others are incentivized to supply their lason in me deling martel. As new womer enter the marter wager fall in the delivery morth leading is rew equilibrium ar a wheel wages are wa and the quantity of mother entroyed has risen to 03. The occupational mobility allowed works to move sections and earn type pay while also reducing firm cooks. I have this added mobility is as of now only expectly a small number of relatives low paid go rowards plarpormy that mey two will require qualyicanos. For example me Wet MP medical platform shill requires fully educated docuble. Be The expansion of this mobility to wisher swatters of the teconon are therefore unling in high paging Conclusion the government should intervene to a limited extent to proces the interests of those works in the Cit evenoy. For example creatify

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a new framework for playporn worter. To unionize begond having to be aligned to ork group as many playform worters undoubted, set up on several application of those who we playform full hime as appose to the rear 30% of the workforce who are seeking playform' work but are possibly only looking to supplement formal 'employed' incore. Lasty supports, those in the G., economy is lively going to invoke looking to minyare the significant moropron power many is employed have, especially siren the difficult in particular than a point the first workers to make thirs or organize apriors their playforms

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This is a Level 5 response

This is a high value response. This is a well organised response, and the student demonstrates sound knowledge and understanding. There is good application of relevant economics to the context and very effective use of the data in the extracts to support arguments. There is well-focused analysis with clear, logical chains of reasoning. There is supported evaluation throughout the response and in the conclusion.

The student begins with a good introduction regarding the 'gig' economy, and a tentative evaluative comment suggesting it is likely that the government will need to intervene.

The student includes a labour market diagram illustrating a minimum wage for 'ride-sharing workers'. The subsequent analysis effectively combines both the diagram and data from the extracts, plus some evaluative comments, to support the argument for intervention. As a counter, they include more data and evaluation to suggest that gig economy workers '...willingly accept poorer protection in exchange for greater flexibility.' Here, they might have explicitly linked backed to the question to reinforce their argument.

Next, the student includes two labour market diagrams for 'delivery drivers' and 'ride drivers'. In the analysis that follows they suggest that government intervention may not be required as the gig economy allows for more labour-market efficiency and improved mobility of labour. As before, one of the diagrams and data from the extracts are successfully integrated into the response, to help build the analysis and evaluation. The student ends this section effectively by using their own example of a 'medical platform' which maintains the context, and counters the preceding argument.

Finally, the student offers their overall judgement suggesting that '...the government should intervene to a limited extent...' They suggest how and why, and the evaluation is fully supported by the conclusion itself and the earlier analysis and data.

Overall this is a sophisticated response, it is written completely in context, and properly answers the question set.

23 marks

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Response B Government Failure is when the government intervene market and creates

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coupl Choice) Unamplyment PMW The diagram shows how, with s contr all whenever an employer the short our, the negative mensphyment will be minimal?

The text in extract B are states that gignosters found to earn less them employees along similar work. This can be seen with Deliverco drivers who, or average earn completely less than delivery drivers employed on fixed contracts with certained. The government may need to interver here to make sure that I gig workers are paid the same as others doing the same job than for somene alse

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This is a Level 3 response

This is a medium value response. The response focuses on issues that are relevant to the question, and the student shows satisfactory knowledge and understanding. There is reasonable application of relevant economics to the context and use of the data in the extracts to support it. There is some reasonable analysis, but this is not adequately developed. There is some fairly superficial evaluation, but judgements are not well-supported by arguments or data.

The student begins with a couple of definitions. However, the first 'government failure' is a questionable choice, it's not obviously relevant and there is no further reference to it in the whole of the response. The second 'market failure' is relevant, but the student does not return to this either.

In the next paragraph the student offers the argument that government intervention is necessary. They include an appropriate prompt from the data in support, but the subsequent analysis could be more developed. There is a line of evaluation to complete the paragraph.

In the following paragraph the student suggests how this may be achieved. As before they use a prompt from the data to support, but there is very little analysis and the evaluation is quite repetitive.

The next section begins with an evaluative comment regarding the success of any government intervention. The student effectively integrates an accurately drawn labour market diagram and assesses the drawbacks of implementing a minimum wage for gig workers. They provide a counter to this at the end of the paragraph, however, given the context of zero-hours contracts already referred to, this point is weakened somewhat.

The student includes another paragraph, choosing a different prompt, but this is largely repetitive.

The student offers a concluding statement to reiterate their view that government intervention is necessary.

14 marks

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Context 2

Question 7

Extract E (lines 16–17) states that, 'Supermarkets set prices interdependently, and price wars look very likely.'

With the help of a diagram, analyse the impact on grocery consumers of interdependence between supermarkets.

[9 marks]

Mark scheme

Below is the levels of response marking grid which should be used to mark the 9 mark questions.

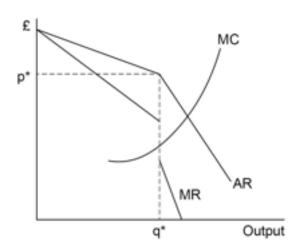
| Level of response | Response: | Max 9 marks |
|-------------------|--|----------------|
| | is well organised and develops one or more of the key issues that are relevant to the question | |
| | shows sound knowledge and understanding of relevant economic terminology, concepts and principles | |
| 3 | includes good application of relevant economic principles and/or good use of data to support the response | 7–9 marks |
| | includes well-focused analysis with a clear, logical chain of reasoning | |
| | includes a relevant diagram that will, at the top of this level, be accurate and used appropriately. | |
| | includes one or more issues that are relevant to the question | |
| | shows reasonable knowledge and understanding of economic terminology, concepts and principles but some weaknesses may be present | |
| 2 | includes reasonable application of relevant economic principles and/or data to the question | 4–6 marks |
| | includes some reasonable analysis but it might not be adequately developed and may be confused in places | |
| | may include a relevant diagram. | |

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| | is very brief and/or lacks coherence shows some limited knowledge and understanding of economic terminology, concepts and principles but some errors are likely | |
|---|--|-----------|
| 1 | demonstrates very limited ability to apply relevant economic principles and/or data to the question | 1–3 marks |
| | may include some very limited analysis but the analysis lacks focus and/or becomes confused | |
| | may include a relevant diagram but the diagram is not used and/or is inaccurate in some respects. | |

Suggested Diagram

A kinked demand curve diagram is expected, showing how interdependence in the supermarket sector may mean prices are sticky.



Notes:

- The diagram does not have to include the MR and MC curves, a kinked AR curve is sufficient.
- A different relevant, valid diagram should also be rewarded. Allow a game theory matrix.

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Relevant issues include:

- the meaning of interdependence and uncertainty
- supermarkets as an example of an oligopoly
- explanation of the diagram, including why the demand curve is kinked (relating to price elasticities of demand either side of p*)
- analysis of how prices are likely to remain sticky in this model, even if the costs increase prices may not increase
- reference to 'split shops' from Extract E
- the price gap is declining between the discounters and conventional supermarkets
- interdependence leading to a price war may be reflected in traditional supermarkets' commitment to 'price match' discounters' prices
- examples of non-price competition such as greater investment in stores to attract customers
- the incentive to collude.

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Student responses

Response A 07. Interdependence before supernoteds refers indivedual from coupelibs when setting soprimated when setting prices causes Supmortalis Elastic inabelia Re judiclepondors of supermodels will find equilibrium at thes point if from where to increase ilo price, otr fires would beep the some price as Singly Switch to onether Piem. However if drop prices, othe fires will follow os make their costours join the other firm as it has a lover price this was look very "likely", price was will occur if a firm diops prices, causing atr Some and fight for market slove. The introlegendace of Supervaled will lead pice was if fine drop prices to tru mother store. This could mean that consumes prices of goods or if suprivibility collade, higher prices.

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This is a Level 3 response

This is a relatively high value response. The response is fairly well organised and includes some sound knowledge and understanding. There is some good application of relevant economics, including a simple but appropriate diagram, and good use of the data in the extracts. There is some well-focused analysis with a clear, logical chain of reasoning.

The student begins with a partial explanation of 'interdependence'. This followed by an accurately drawn, kinked-demand curve model which identifies the elastic and inelastic portions of the curve.

In the subsequent analysis, the student develops the theory of the kinked-demand curve model and its implications for firms' behaviour. However, they might have referred to the 'assumptions' behind the model given the uncertainty such firms face.

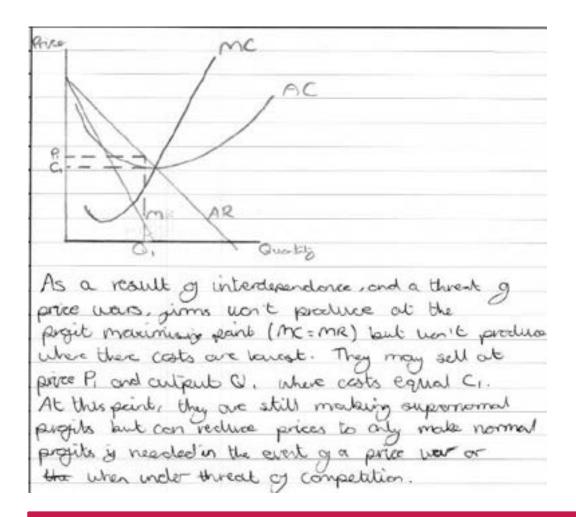
The student links back to the question and states the impact on grocery consumers of interdependence between supermarkets. There is a final point regarding the impact of collusions on consumers, however, this remains undeveloped.

7 marks

Interdependence is when jume in a mortest core reliant on other jumes during decision making processes such as setting a price for a product.

This is common in obligopolies, and Figure 4-shows that the supremorket sector has a three jum concentration ratio growned 65%, suggesting the market is an obligopoly. Times in obligopolies have some price setting power, but price was care still a possibility due to the smaller large jums experincing economics of scale, and using that to their adventage.

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This is a Level 2 response

This is a medium value response. The response includes some issues that are relevant to the question. The student demonstrates sound knowledge and understanding. However, there is only reasonable application and analysis of relevant economics, as the response is not entirely focused on the question set. There is some use of the data in the extracts and a relevant diagram.

The student begins with a sound introduction that explains interdependence, suggests how firms in an oligopoly market structure might behave, and makes effective use of the data in the extracts to support it.

Next, they include a diagram that shows a suggested level of output and price for a firm that is affected by interdependence. This is not the expected diagram; however, it is valid, and the subsequent analysis effectively integrates it into the response.

Unfortunately, the student loses focus of the question here. The response is directed solely towards the impact on firms, rather than the impact on grocery consumers. Whilst they show good understanding of the theory, they do not actually answer the question set.

5 marks

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Question 8

Extract E (lines 17–19) states that, 'the price gap between discounters and conventional supermarkets is now about 10–12%, against more than 20% a few years ago.'

Evaluate the view that the supermarket sector is serving customers' interests well.

[25 marks]

Mark scheme

Use the <u>level of response table on page 9</u>.

Areas for discussion include:

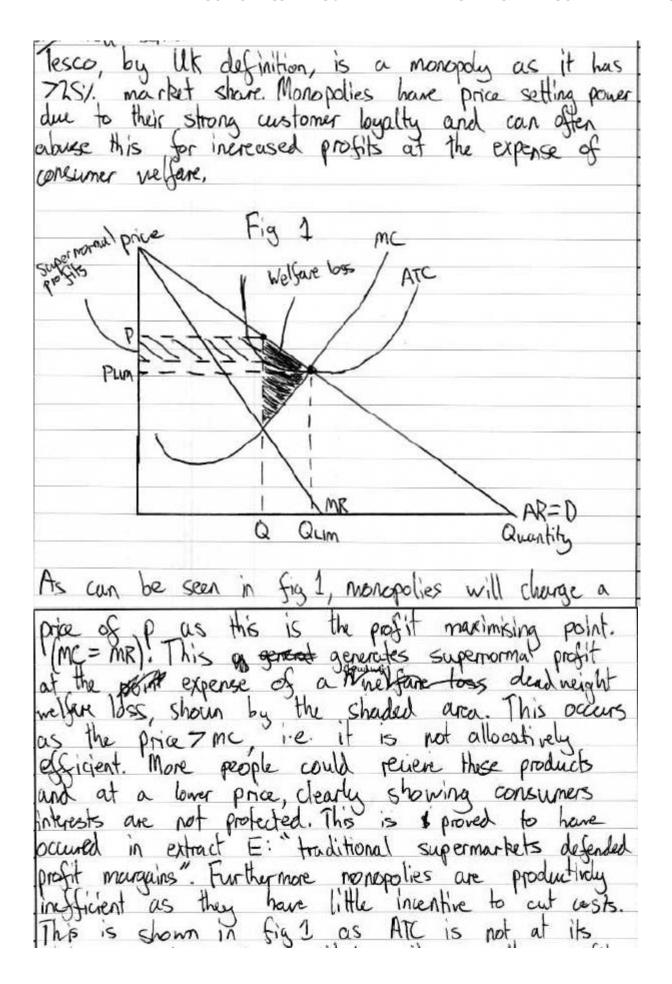
- explanation of what 'customers' interests' means in this context (to include low prices, high quality, customer experience/service, choice, convenience)
- discussion of differences between discounters (eg Aldi and Lidl), traditional stores (eg Tesco) and online retailers (eg Ocado)
- discussion of how the supermarket sector has evolved in recent years
- analysis of the market structure in the supermarket sector (with elements of oligopoly and localised monopolies)
- the impact of competition and profitability on innovation
- assessment of trends in prices and profits
- impact of the pandemic on shopping habits, with a significant move towards online shopping, and whether shoppers are likely to change back to physical stores
- the role of the CMA in ensuring competition and positive outcomes for customers
- discussion of the proposed merger between Asda and Sainsbury's and why the CMA decided to oppose it
- the particular problems of local monopolies in the supermarket sector
- the CMA investigation into Tesco's abuse of restrictive property arrangements in order to retain local monopoly power
- use of examples
- market failure arguments
- government failure arguments.

Student responses

Response A

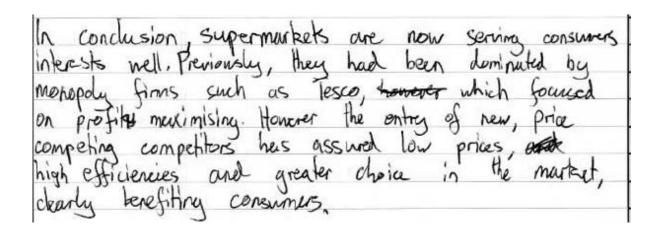
8. Protoc Servines consumers interests well consists
on providing a range of choice and low prices
to consumers, in order to maximise their utility. The
increased contestability and competition has ensued consumer interests
are mell served.

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minimum point at the equilibrium However, These profit ins may be beneficial firms, like Tesco, through a benefit also see significant cost potentially the market monopolis monopolis a decad pricina are now pricing. This Siancell present normal mourket. have reacted Qum, This allocatively efficient and 15 this benefits consumers orices. Honerer, the conditions be reduced The need market, returning price abuse this poner once again

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This is a Level 5 response

This is a high value response. The response is well organised, and the student demonstrates sound knowledge and understanding. There is good application of relevant economics to the context, and good use of the data in the extracts to support. It includes well-focused analysis, with clear logical chains of reasoning, and supported evaluation throughout and in the conclusion.

The student begins with an explanation of what it means to '...serve consumers' interests well', showing that they are clearly focused on the question. They also offer an initial supported judgement.

The student explains why the supermarket industry may not be operating in customers' interests. They refer to Tesco as an example of a monopoly firm operating in the supermarket industry. They quote Tesco's market share but might have explicitly referenced the extracts. They include a detailed drawing of the model of monopoly, which is used extremely well. This is a complex diagram showing two different prices and levels of output, and an area representing the deadweight welfare loss. The subsequent analysis is well focused and very effectively integrates the diagram into the response. This supports the evaluation that follows, which is further supported by an appropriate quote from the extracts.

The student concludes this section with more evaluation and analysis as they offer a 'however' point and suggest that monopolies may be beneficial to consumers.

In the next section, the student refers to the apparent contestability of the market with the arrival of Aldi and Lidl. They include more detailed analysis, relevant prompts from the data in the extracts, and they also successfully make more use of the diagram. This shows how a well-drawn and appropriate diagram can support several arguments. As before, this is followed by some evaluation to support this argument, plus further analysis, use of the data in the extracts, and evaluation relating to a 'however' point.

The student concludes with their final, supported judgement.

23 marks

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Response B

Customers' the supermourket sector as they are signed send signals requarding the threat of competition and the effectiveness of strategies. Therefore, it may be argued that firms in this sector should always try to some customers' interests well. Extract

Extract E tells us that the jour big supermarkets houe tiell established home delivery igrestructures. and use able to expand online delivery airmatically during the pardence: The pandence caused chars in supermarkets, with people rushing to bulk buy resulting in shortages systems and large ofther queus. As This meant that encyday trips to a supermarket became dyficult and time consuming. Therefore, jumo such as the being your! ber mared a large amant grades from physical Store to orline retail. This was much more convenient to consumers as it helped create more time for other interests by reducing the stress and time to shop. This shows how the supermarket sector - series or customers' interests well. However, it can be argued that firms were outing with their own interests in mind, not consumers!

Extract F tells us that Tesco engaged in Wegal custivity to try and reduce competition. In 2020, Tesco that had been preventing landlords from letting property to other supermarkets. This means that they were taking appertunities also away from potential competitions in order to reduce competition,

gimes have little intentive to reduce cests and sell at the lowest point a them of their average costs. This makes them productively inquiried.

Furthermore, this means they are charging at high prices with the intention of making supernomal profiles. During 2020, consumes had see disposable tocome, were couring four wages on average, meaning higher prices would just worsen their pinoncial situation owing the pendenic. This shows have the supermoutant sector is not serving at customers interests well. How However, consumes who wen't at work during the paneteric had lower costs as they wen't commuting to work meaning there they town to jums were it necessarily not serving austioners interests well.

furthermore, in 2019 there was er an attempted merger between Asola and Sainabury's, two of the Harce largest firms in the market - This merger would have beard to a combined maket share of 33% massing the new join could have experienced managedy partier firms with monoporty pour con experience price setting pourer meaning they can charge higher prices without lange the many customers. Also, lead managedies may have been created as a result of the merger. This moons that consumers would have a restricted chains and would be joved into paying the the higher prices charged by the new jim. Ty this happened, this would reduce consimer vielyare, which could be seen as evidence showing that the supermarket sector does not seve customers interests well well- However the merger would have led to cost sourings of

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| & I billion per year which were promise passed onto consumers. This would i | ed to be |
|---|--------------|
| passed onto consumers. This would i | Varease |
| consumer regare. Continued on page | 9 |
| Overall, I believe that the superma | |
| not seving custones' interests well as | Extarb F |
| tett shows how multiple firms have | e acted with |
| private benefits in mind over costs to (| Derasumers. |

This is a Level 3 response

This is a medium value response. The response focuses on issues that are relevant to the question, and the student demonstrates some satisfactory knowledge and understanding. There is some reasonable application of relevant economics, and some use of the data in the extracts to support. There is some reasonable analysis, but it is not adequately developed. There is some fairly superficial evaluation.

The student begins with a reference to 'customers' interests'. They do not state what these are but suggest that they are important to firms and conclude that firms should always try to serve customers' interests well.

The student starts the next paragraph with some data from the extracts regarding home delivery infrastructure. However, what follows describes the experience of shopping during the pandemic and includes little, if any, economic theory. There is a 'however' point, but this is completely unsupported.

In the following paragraph the student offers an argument to suggest the supermarkets are not serving customers' interests well. They include a prompt from the data in the extracts to support it. There is some reasonable analysis and a line of evaluation to reiterate their point. A weak 'however' point concludes the paragraph.

In the third paragraph the student offers a further argument against the supermarkets. As before they use some data to support and there is some reasonable analysis. This time the evaluation relating to the 'however' point is supported by the data, although it would have been better for the extract to be explicitly referenced. In terms of content and structure this is the best of the three paragraphs.

In the conclusion the student's overall judgement counters their initial thoughts contained in the introduction. There is a reference to one of the extracts but the final sentence lacks clarity.

13 marks

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Essay 1

Question 9

The government has promised that everyone will be able to access superfast broadband by 2025. As more people have switched to studying and working remotely, good Internet connections have become more important. Low-income households have difficult choices to make between high-speed Internet and essential items such as food, heating and clothing.

Explain how the price mechanism allocates resources in a market economy.

[15 marks]

Mark scheme

Below is the levels of response marking grid which should be used to mark the 15 mark questions.

| Level of response | Response: | Max 15 marks |
|-------------------|---|--------------|
| 3 | A good response provides an answer that: is well organised and develops a selection of the key issues that are relevant to the question shows sound knowledge and understanding of economic terminology, concepts and principles with few, if any, errors includes good application of relevant economic principles to the given context and, where appropriate, good use of data to support the response includes well-focused analysis with clear, logical chains of reasoning. | 11–15 marks |
| 2 | A reasonable response provides an answer that: focuses on issues that are relevant to the question shows satisfactory knowledge and understanding of economic terminology, concepts and principles but some weaknesses may be present includes reasonable application of relevant economic principles to the given context and, where appropriate, some use of data to support the response | 6–10 marks |

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| | includes some reasonable analysis but which might not be adequately developed or becomes confused in places. | |
|---|---|-----------|
| | A weak response provides an answer that: has identified one or more relevant issues has some limited knowledge and understanding of economic terminology, concepts and principles but | |
| 1 | some errors are likely has very limited application of relevant economic principles to the given context and/or data to the question | 1–5 marks |
| | might have some limited analysis but it may lack focus and/or become confused. | |

Areas for discussion include:

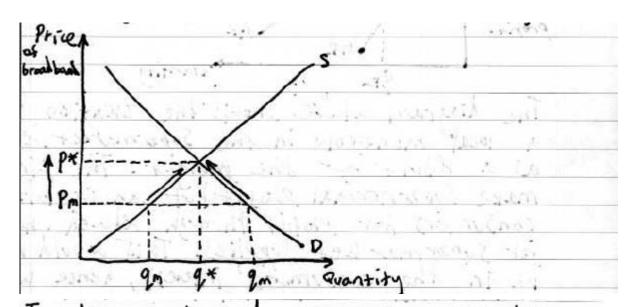
- definition of price mechanism, resource allocation and market economy
- explanation of the way in which demand and supply functions interact in equilibrium to determine price and quantity
- explanation of the rationing function of prices in allocating resources and coordinating the decisions of buyers and sellers in a market economy
- explanation of the signalling function of prices in allocating resources and coordinating the decisions of buyers and sellers in a market economy
- explanation of the incentives function of prices in allocating resources and coordinating the decisions of buyers and sellers in a market economy
- the role of prices in product and factor markets
- the interaction between markets
- use of examples.

The use of relevant diagrams to support the analysis should be taken into account when assessing the quality of the student's response to the question.

Student responses

The price mechanism refers to the uncoordinated forces of supply and demand which work to allocate lesources effectively through rationing, signalling, and incentivising.

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The diagram above demonstrates the results of rationing as a function to reduce the shortage of a product, such as superpast broadband, by tationing excess demand. Firstly, firms notice excess demand for the product and taise the price of the good. This increase in price rations demand since only those willing and able to purchase the product will. This continues until the Shortage is temoved and supply meets demand for supergast broadband, correctly allocating resources in the market economy.

Incentivising works by creating incentives to produce or porchase a good. An increase in price Signals to producers that demand for a good is high, incentivising the production of the good since there is a larger profit mative as out but is more profitable. This helps that we show shorted of a good, allocating resources perfectly to the point of consemption in the transmission marked economy.

Signalling works the same way as signals may be sent to consumers, it prices are high for example, that policers cannot supply a good, meaning consumers will no longer buy a good, allocating resources to equilibrium where market clearing occurs.

This is a Level 3 response

This is a high value response. The response is well organised and develops a selection of key issues. The student demonstrates sound knowledge and understanding, and there is good application of relevant economics to the given context. They include well-focused analysis with clear, logical chains of reasoning.

The student begins with a clear definition of the price mechanism and a reference to the three functions of price. Each of the functions is developed later to a greater or lesser extent.

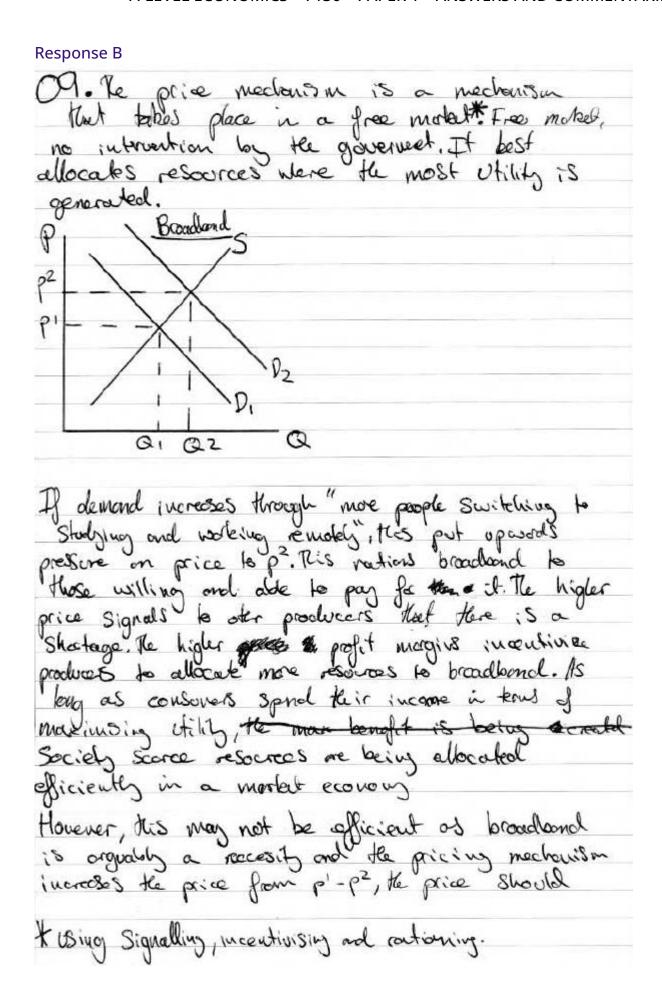
Immediately after the introduction the student includes a clear and accurately drawn diagram. The diagram, which initially shows disequilibrium and excess demand in the broadband market, is then effectively integrated into the subsequent analysis.

The student considers the rationing function of price and clearly analyses how the shortage leads to a rise in price to allocate resources to those who are willing and able to purchase the goods at that price. In the same way, the student discusses the incentive and then signalling functions of price. The explanation of the signalling function lacked clarity initially, but generally showed good understanding.

To improve the response and achieve a higher mark, the student might have referred to a surplus in a market and the subsequent reduction in price.

12 marks

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Stay the Some or be lower other to giving off positive extraolities such as not spreading infections diseases like COUTD-19'. However the free motest (mostat economy obes not take inte account these extraolities. Higher prices for menit goods like broadbond are inefficient and regressive.

This is a Level 2 response

This is a medium value response. The response only includes one issue that is relevant to the question; in places the student has not answered the question set. They demonstrate some good knowledge and understanding, there is reasonable application of relevant economics to the context, and there is some reasonable analysis.

The student begins with some fragmented points about the price mechanism. They then effectively use a clear and accurately drawn diagram to support the subsequent analysis. The student uses relevant terminology appropriately and refers to all three functions of price following an increase in demand for broadband. They use the question stem as a prompt for their issue. However, the analysis could have been developed further. For example, there might have been a reference to excess demand.

The student then goes on to evaluate this point and consider the downsides of the price mechanism. This is not relevant to the question set. There are no evaluation (AO4) marks available for this question, it is a matter of explaining how the price mechanism works, not judging how well it works.

A second issue might have considered how the price mechanism works following an increase in supply.

9 marks

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A-LEVEL ECONOMICS - 7136 - PAPER 1 - ANSWERS AND COMMENTARIES

Question 10

The government has promised that everyone will be able to access superfast broadband by 2025. As more people have switched to studying and working remotely, good Internet connections have become more important. Low-income households have difficult choices to make between high-speed Internet and essential items such as food, heating and clothing.

Assess the view that high-speed Internet connection is a necessity for modern life and should be provided by the government, free of charge, to all households.

[25 marks]

Mark scheme

Use the <u>level of response table on page 9</u>.

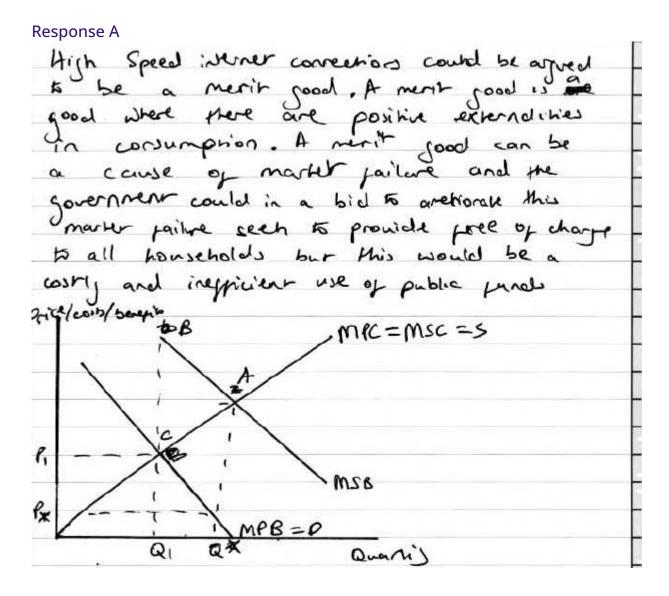
Areas for discussion include:

- the importance of high-speed Internet connection for households (and firms) in the modern economy
- the uses of high-speed Internet (including homeworking, remote school working, gaming, streaming, online retail, smart home applications)
- how Internet is currently provided via private sector communications firms
- whether there is evidence of market failure and the nature of this market failure
- arguments for free provision by the government of high-speed Internet connection
 - o it can be considered a merit good
 - o the positive externalities from high-speed Internet connection
 - inadequate access creates inequalities in education, employability, access to services
 - public provision may be possible at lower cost than private provision due to economies of scale
 - o the benefits of a natural monopoly
- arguments against free provision
 - negative externalities from Internet use (some aspects of Internet use are actually harmful or productivity-reducing)
 - already the majority of households are accessing the market without too many problems, and free Internet would be a blunt policy tool if it was not means-tested
 - burden on the taxpayer
 - alternative policies might be more efficient
 - the absence of a market price means that opportunity cost of providing the service is not fully considered
 - o private sector efficiencies driven by the profit motive
- discussion of alternative policies
 - o subsidies
 - o price caps
 - o free wifi in public places such as libraries and schools
 - o means-tested free Internet for low-income households
- market failure arguments
- government failure arguments.

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The use of relevant diagrams to support the analysis should be taken into account when assessing the quality of the student's response to the question.

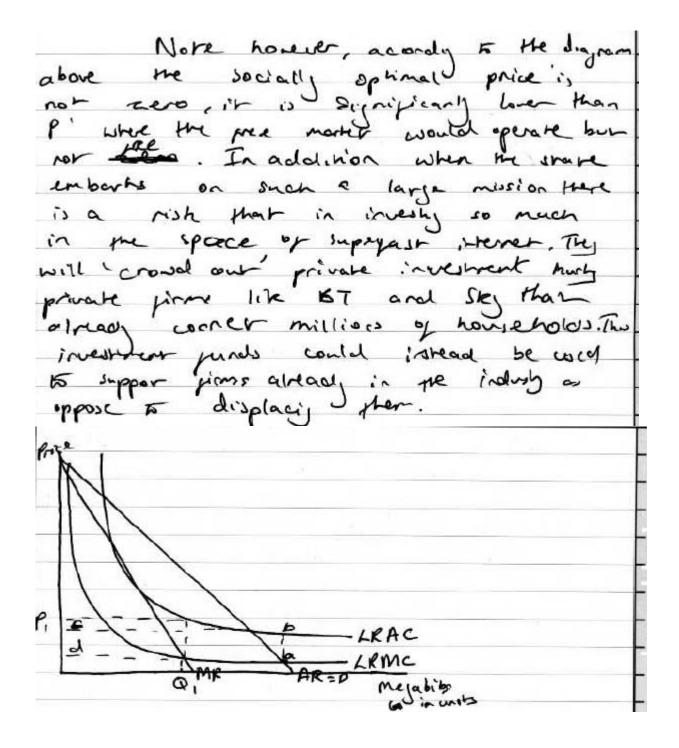
Student responses



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High speed interner could be provided her of charge of the Jan ment per or sharpe due to the positive experiences universal correct would cause. A position externally in constinguion reguls to the third effects created by the corruption of U a good or revice. In the case of high speed internet, in enables remove wormy or learny which bring income income from urban centers like handon to great with test economic activity as worker can more to less expensive orla. This supports the local econon and omelionare the unterable howing price in urban urban centers. Hence the maginal social benefit as shown about, is greater than the marginal private benefit or denand meaning superfast interer is over denand meaning superfast interer is over priced and under consumed at equal equivalent to a decadureight ultrare love equivalent to A'B'C'. It the share were to provide superjays inverter for wee this would expected be price ar o leading to Ja consumed, beneficial to society, and por low-income nouseholds that have to decide between basic recesibles

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It could be arrived that the industy for Superast interest is a natural moropoly and therefore suitable shall promision on a national scale. A Numeral Morapely a mater within which there scale therefore in order to minimise costs greater quanty is required. In the superposit invent indesty great con is in place) pristrophic and other igraphruches and in order to spread these cours a nonhional provider mag Le désirable. This me also support the claim that provision by the jovene would also lead to a more allocking experien outcome as they (not beholden to shereholder) be able I produce at equibrium private hands with some product regulation blook wherey the lack of project incentive leads to baloan wage

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and a lack of productive efficient. Meanwhile if government were to only substitute normal private monopolies to the allowabline reflicient point A (where P=Mc) the private pin nonetheless beholden to sharkholders would maximise evonomices of scale and remain productiel, expicient In conclusion, ir would be invise por government to provide imperfast broadband to all households. The primary juste here being the equity paint I whereby nost households can appoint internet correction but poorer ones cannot. This is seen a markeytain as if the social externalisms were haven into account poorerer howeholds may have been able to appoind access . ohe to the Lover price. Government, in like, of providing interest correction to all households Should Joffer tax exemption, for example, on VAT charged on interest access in order to increase its appordability. Especially dun the organial cost of living crisis with poorer households should not have & choose Lewelen basic recessities. Paradoxically, the webin of a public provider could worsen the situation log term as private investment would be crowded out relace of the Rep investment by the private section and limits benign: deplation that would now interes access non expordable for poorer horseholds.

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This is a Level 5 response

This is a high value response. The response is well-organised. The student shows sound knowledge and understanding with few weaknesses. There is good application of relevant economics, and it is written completely in the context of high-speed internet. It includes well-focused analysis with clear, logical chains of reasoning. There is supported evaluation throughout and in the conclusion.

The student effectively sets the scene for their response by suggesting that high-speed internet may be regarded as a merit good. They follow this with relevant theory to demonstrate their knowledge. However, the concluding statement of the introduction is unsupported. The student might have said, '…it could be argued that…'.

The student includes a positive externalities in consumption diagram, which appears to show a price and level of output following government intervention. This is not entirely clear, and not all coordinates are present. However, the student effectively integrates the diagram into the subsequent analysis. They include more knowledge and analysis, and very good application to the context as they describe the positive third-party effects associated with high-speed internet. The analysis goes on to identify the deadweight-welfare loss, although it lacks clarity regarding the free-market price. There is supported evaluation, as the student suggests that government provision may help to deal with inequitable outcomes.

They consider and evaluate this point further, including pointing out that the good is already provided to millions of households by private firms. They conclude that government 'support' may be more appropriate rather than 'displacing' incumbent firms.

In the next section the student discusses the natural monopoly argument. As before they successfully incorporate a complex diagram into their analysis. They demonstrate sound knowledge, and the context and examples remain completely consistent with high-speed internet. The arguments made are countered by supported evaluation. There might have been a reference to LRAC>AR at point A on the diagram, however, students can only be expected to cover a selection of issues.

In the concluding paragraph the student offers their judgement. They re-emphasise the 'primary issue' and suggest a sensible and realistic alternative to government provision.

Overall this is a mature and sophisticated response that properly answers the question set.

25 marks

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Response B

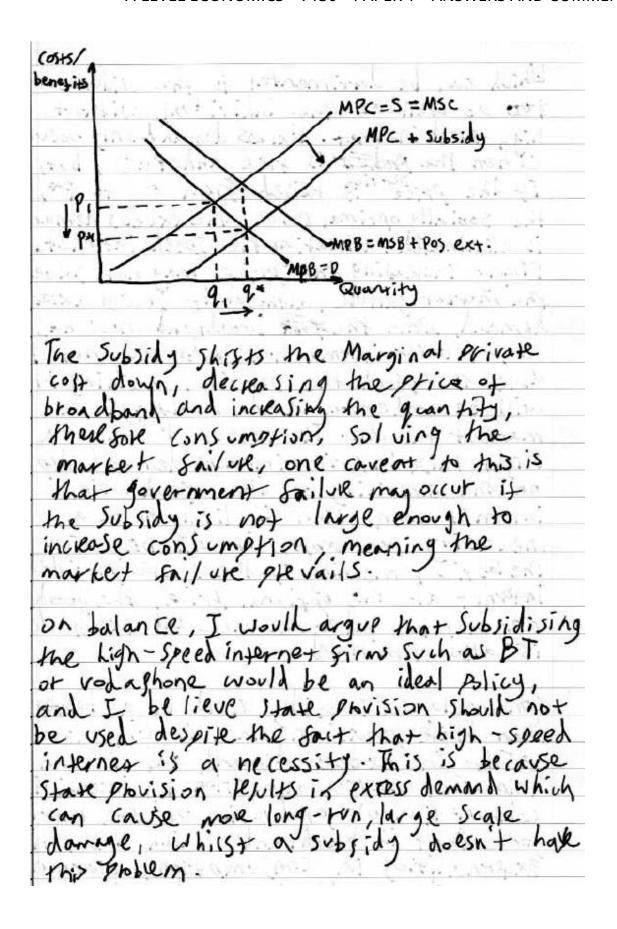
State provision occurs when the government supplies a good free at the point of consumption for all people. This is often used for goods Which are underconsumed funder produced or inequitably distributed, or goods which are a necessity and not provided I believe that high - Speed internet is a necessity for modern life and it should be accessible by all, that said, I do not believe the state provides should provide this sor stee to all houses as better policies Such as Subsidies can be used to incentivise private sirms' provision of the good. In order for a good to be effectively state provided by the nee market as it must be a public good the NHJ. the diagram above shows how state provision good can clearl excess demand for good. In terms of the provision of high-speed internet, this may be portraged by large amounts of individual vittout internet,

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Which can be detrimental to the wider economy too as well as the individuals without high-speed internet. Excess deman Long occurs When the product is fire and P=0, but, if the price is tailed from o the socially optimal price; the excess demand is eliminated, allocating the speed internet. Simply increasing the price may not solve the market failur, although it Jolves excess demand, since the broadband now has a cost, lower income house holds may not be able to afford the service, menning it will be underconsumed, resulting in a market failure. The extent to Which a Slight taile in price impacts demand depends on the elasticity of the good . Since internet connection is lively to ne cessity for most, it will be price The lastic, meaning is the State provided internet at the optimal price, the good may not be underconsumed and exiess demand is also eliminated

Conversely, a subsidy would be a better policy than State provision since it will not result in excess demand and it can help with resource allocation by incensivising consumption or production of the merit good that is broadband, which has positive externalities in consumption, warranting a subsidy. Broadband may be under consumed in the free market be cause of high price, which a subsidy can solve.

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A-LEVEL ECONOMICS - 7136 - PAPER 1 - ANSWERS AND COMMENTARIES

This is a Level 3 response

This is a medium value response. The response focuses on issues that are relevant to the question. The student demonstrates some satisfactory knowledge and understanding, however, there are a few weaknesses. There is some reasonable application of relevant economics, however, the response is not always written in the context of high-speed internet. There is some reasonable analysis, but it is not adequately developed in places, and sometimes becomes confused. There is some evaluation, but it is not well supported.

The student begins with a good opening paragraph. They explain what is meant by state provision, why it might be appropriate as a means of intervention and provide their initial judgement.

The next paragraph begins with some misunderstanding and confusion regarding state provision and the NHS. This is followed by a simple, accurately drawn diagram to illustrate excess demand in a market. Subsequently, there is some reasonable analysis, but again there is some confusion, and a general lack of clarity. The student appears to suggest that charging a price may solve the problem, having earlier suggested that the market failure still exists. This weakens the evaluation.

The student goes on to discuss a subsidy as a better alternative, which is a perfectly valid issue to raise. There is some reasonable analysis, and they include a positive externalities in consumption diagram, which also shows a subsidy. This is a complex model and there is some inaccuracy with the labelling. However, the student uses the diagram to explain the outcome when a subsidy is introduced into the market. As a final point in this paragraph, the student refers to the possibility of government failure, though this is not properly justified.

There is a conclusion which includes a fairly superficial judgement initially, along with some other previously unsupported comments.

15 marks

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Essay 2

Question 11

Markets fail for a variety of reasons and governments can play an important role in reducing the inefficiencies associated with such failures. However, Milton Friedman once suggested that "When government, in pursuit of good intentions, tries to rearrange the economy...the costs come in inefficiency, lack of motivation, and loss of freedom. Government should be a referee, not an active player."

Explain the difference between complete and partial market failure.

[15 marks]

Mark scheme

Use level of response table on page 35 and 36.

Areas for discussion include:

- definition of complete and partial market failure
- how complete market failure (or a missing market) may exist when the willingness of firms to supply a good or service is non-existent, despite society having a demand for it
- why complete market failure may happen if goods are non-excludable, creating the problem of free-riders and the inability to charge individuals for their consumption
- public goods, that are non-excludable and non-rival, as an example of complete market failure
- in the event of complete market failure, the government will probably have to step in with public good provision, if the good or service is to be provided
- how partial market failure may be caused by suppliers not providing as much as society would wish for, perhaps because of positive externalities or because the good is a merit good
- how partial market failure may be caused by suppliers providing too much of a good or service, perhaps because of negative externalities or because the good is a demerit good
- other types of partial market failure that exist such as: information asymmetry, monopoly power, immobilities and inequality
- use of examples.

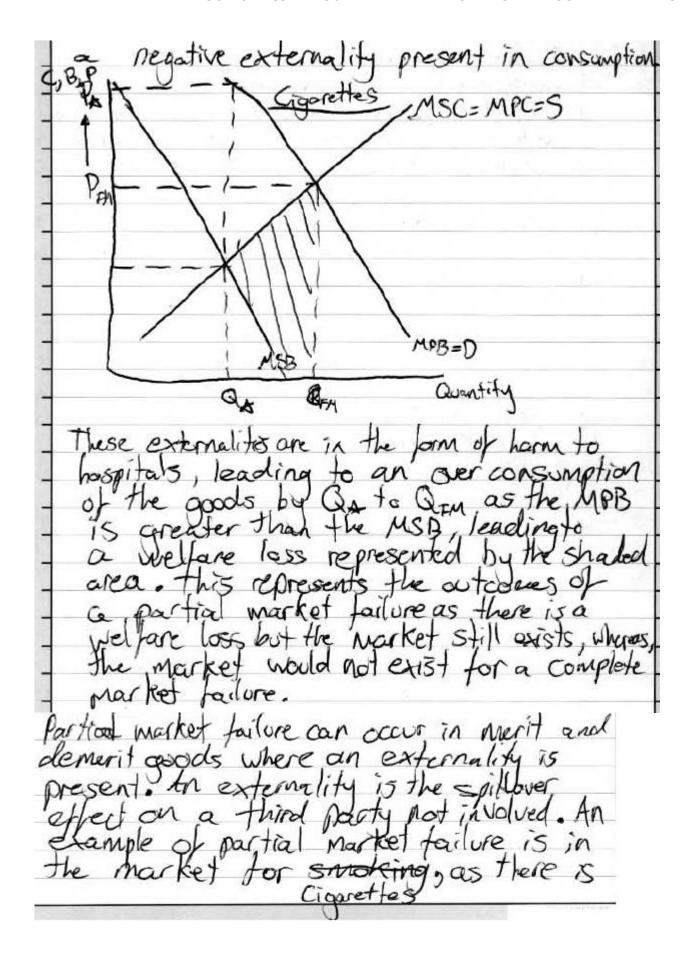
The use of relevant diagrams to support the analysis should be taken into account when assessing the quality of the student's response to the question.

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Student responses

Response A failure occurs when

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A-I EVEL ECONOMICS - 7136 - PAPER 1 - ANSWERS AND COMMENTARIES

This is a Level 3 response

This is a high value response. It is well organised and develops a selection of the key issues that are relevant to the question. The student demonstrates sound knowledge and understanding of economic theory virtually throughout the response. There is some good application of relevant economics to the context, and there is well-focused analysis with clear, logical chains of reasoning.

The student begins with three key definitions. This is a very good start; however, the definition of partial market failure is quite narrow. The student correctly refers to 'externality' but does not acknowledge that there are other types of partial market failure.

In the second paragraph the student provides a good and concise explanation of complete market failure. The student demonstrates a sound grasp of relevant economic terminology, and uses clear, logical chains of reasoning. However, it would benefit from at least one example of public goods to provide context and to bring the theory to life.

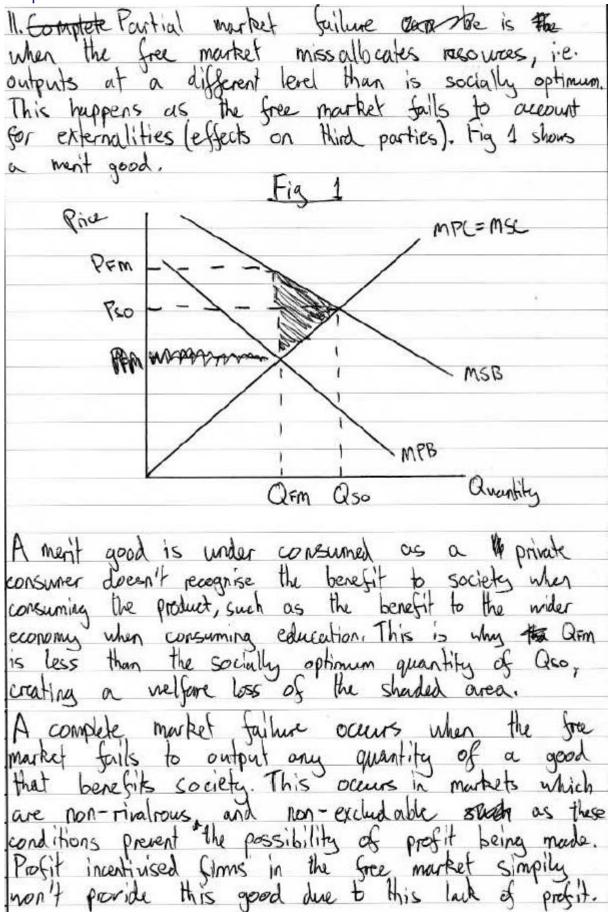
In the third paragraph the student explains what is meant by partial market failure. As before there is good analysis, but this time the student supports it with some context, choosing the cigarette market as an example. They also effectively use a good and clear negative externalities in consumption diagram to support their response (it does contain a misplaced coordinate). This demonstrates the skill of application. In this paragraph, the student extends partial market failure to include 'merit and demerit goods', though still with the original reference to 'externality'. Students would not be expected to develop all types of partial market failure but might acknowledge that there are several types.

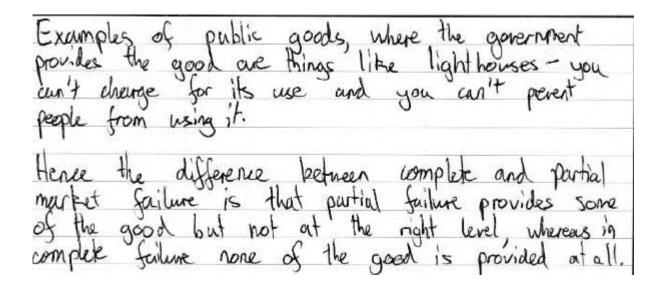
The student includes a final sentence that effectively distinguishes between complete and partial market failure.

14 marks

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Response B





This is a Level 3 response

This is also a high-value response, though not quite as well-developed as Response A.

It is well organised and develops a selection of the key issues that are relevant to the question. The student demonstrates sound knowledge and understanding of economic theory virtually throughout the response, and there is good application of relevant economics to the context. There is some well-focused analysis with clear, logical chains of reasoning, however, the analysis could be more developed in places.

The student begins with a developed definition of partial market failure. However, they might have demonstrated a broader understanding of the various types of partial market failure.

The student demonstrates good application skills by using a positive externalities in consumption diagram to illustrate the partial market failure associated with the consumption of merit goods. The diagram is clear and largely accurate, though there is a misplaced coordinate. They also provide context using the example of education. They effectively integrate the diagram into their response which contributes to the theoretical analysis, however, this could have been more developed.

The student then provides a developed definition and some good analysis of complete market failure. They use accurate and appropriate terminology, however, this could be slightly more developed. They also provide a context for public goods using the example of a lighthouse.

The student provides a final sentence that effectively distinguishes between complete and partial market failure.

13 marks

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A-LEVEL ECONOMICS - 7136 - PAPER 1 - ANSWERS AND COMMENTARIES

Question 12

Markets fail for a variety of reasons and governments can play an important role in reducing the inefficiencies associated with such failures. However, Milton Friedman once suggested that "When government, in pursuit of good intentions, tries to rearrange the economy...the costs come in inefficiency, lack of motivation, and loss of freedom. Government should be a referee, not an active player."

Evaluate the view that government failure means that government intervention in markets will rarely lead to an improvement in economic welfare.

[25 marks]

Mark scheme

Use the level of response table on page 9.

Areas for discussion include:

- definition of government failure
- explanation of the term 'economic welfare' and how that might be improved
- objectives of government intervention
- types of government intervention, how they relate to specific types of market failure and why they may improve economic welfare
- causes of government failure, which include o information failures leading to poorly designed policies
 - regulatory capture by industry interests
 - unintended consequences
 - short timeframes for policy
 - conflicting policy objectives
 - red tape and bureaucracy
 - governments may pursue their own self-interest rather than take decisions that improve general economic well-being
- impacts of government failure can include inefficiency, ineffectiveness, projects being completed over budget and after deadlines, unintended consequences
- how market failures can sometimes be resolved without government intervention, for example via improvements in technology
- how some problems which appear to be market failure can actually stem from previous government interventions
- evaluation of the strengths and weaknesses of the market economy and the role of the government
- recognising that government intervention may lead to an improvement in economic welfare, despite the flaws of such intervention caused by, for example, imperfect information
- use of examples.

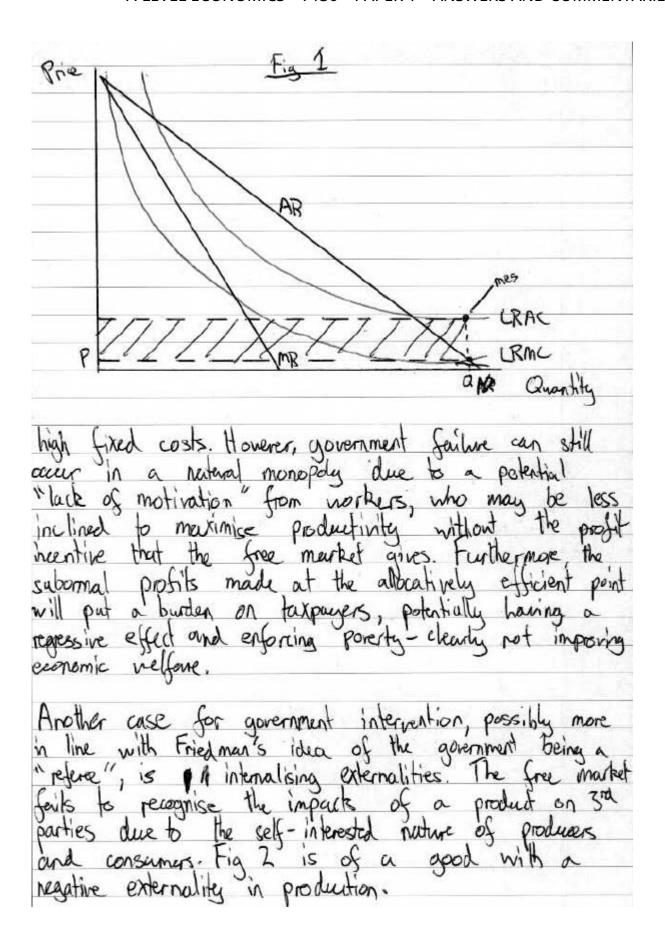
The use of relevant diagrams to support the analysis should be taken into account when assessing the quality of the student's response to the question.

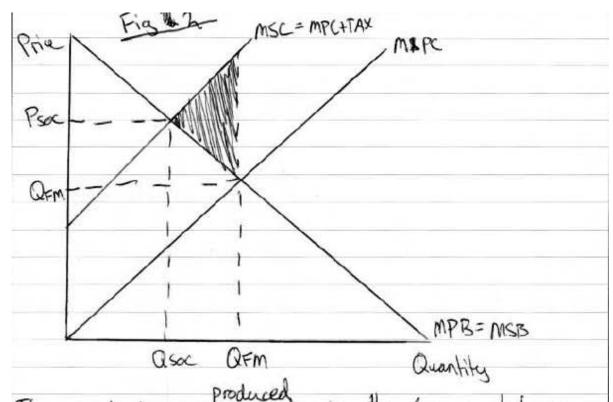
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Student responses

Response A occurs government wa wideble, honever outneigh interentian

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in the free market good is overconsume to recognise the regative such as pollution, hence market is greater assoc, generating free market Payment hence making mpc reduina failure can definately However, apvernment needed a nelfare COM domestic firms face whereas foreign firms to other countries firms outsource production to cheaper lead to whemployment, deduced growth how openment

A-LEVEL ECONOMICS - 7136 - PAPER 1 - ANSWERS AND COMMENTARIES

reductions in economic welfare. There are also costs involved in collecting and enforcing texations, placing burdens on deb government debt and tex payers. Frothermore black perspect.

In conclusion there are containly some cases for government intervention, and to say it ravely improves economic velfare is rash. The benefits of a natural inenopoly can't be provided by the free market and are too rast to ignore. In regulation of murters of goods with externalities government intervention may be now and however not always as there are is great scope for government failure due to the lack of perfect market information.

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This is a Level 4 response

This is a reasonably high-value response. It is well organised with distinct paragraphs. The student demonstrates generally good knowledge and understanding of economic theory, however, there is a misunderstanding of government failure. The response includes some good application of relevant economics to the context, but it might have included more appropriate examples, particularly regarding the natural monopoly. The student demonstrates good analysis, but due to the incomplete understanding of government failure it is not as well-focused and supportive as it might have been. There is some reasonable evaluation. The student begins with some relevant characteristics of government failure; however, the definition is incomplete, and contains the misconception that it is 'unavoidable'.

At the start of the second paragraph the student refers to the stem to the question, and indicates they are going to counter Friedman's view. They use the state-owned natural monopoly argument to support the need for government intervention. There is some good analysis, which is developed further as the student makes effective use of a complex diagram. However, the argument might have been strengthened if the student had provided a more appropriate context. Bearing in mind that this is a Level 4 response, and with a view to suggesting one of the ways it might move into Level 5, the student might have softened their language. It was quite assertive in places. For example, the student writes, 'This simply cannot be provided by the free market...monopoly power will be abused...'. The student might have acknowledged that the service '...may not be provided by the free market, and there *may be* abuse of monopoly power', and then used theoretical analysis to explain why. The final part of this paragraph includes some evaluation as the student introduces the possibility of government failure. However, it is a consideration of the downsides of a state-owned monopoly, rather than a discussion of government failure, and an effective link back to the question. Whilst there is some reasonable evaluation, it could have been stronger.

In the next section, the student provides an argument that is 'in line' with Friedman's view. They demonstrate sound knowledge and good, well-focused analysis regarding negative externalities in production, and the imposition of an indirect tax. They effectively integrate a second accurate diagram into their response, which demonstrates good application. The student clearly identifies and analyses problems which occur because of government intervention. The flaw here is that the student concludes this is government failure, and this appears to link to their opening paragraph regarding the meaning of government failure. To improve they might have balanced the drawbacks of the intervention with the benefits, such as the reduction in pollution levels.

In the final paragraph, the student concludes that the statement in the question is 'rash', and whilst there is some justification, a more convincing understanding of government failure would have provided stronger evaluation overall.

18 marks

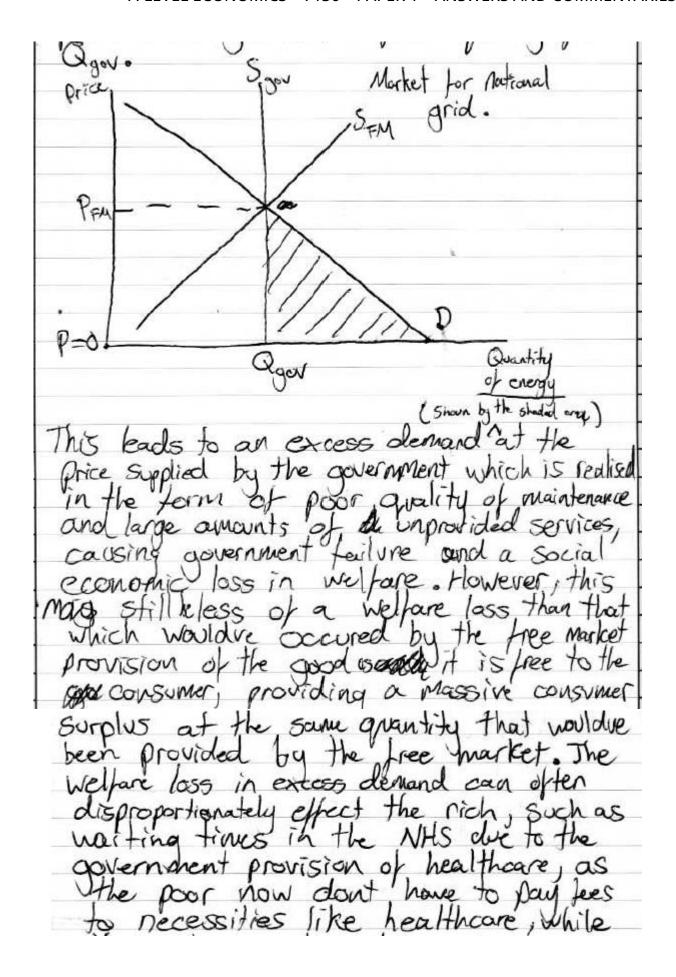
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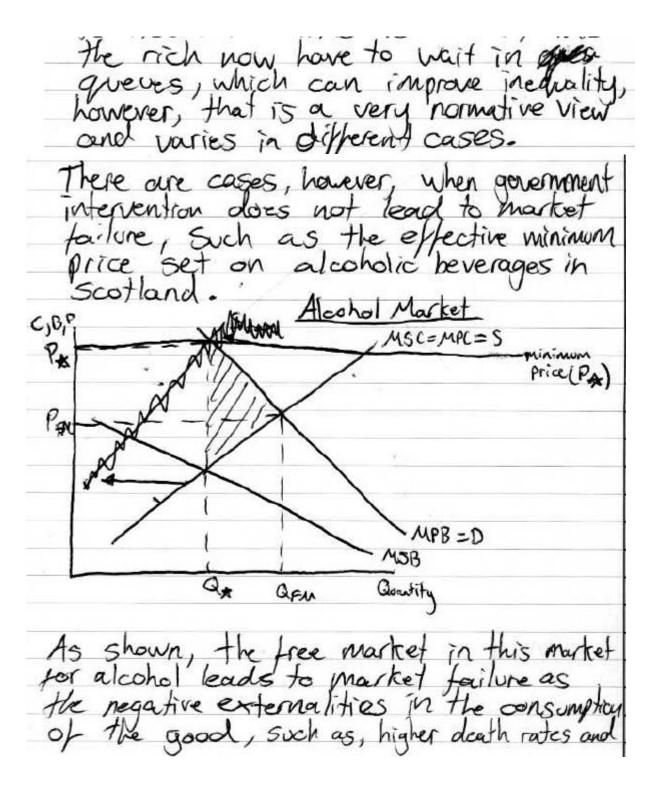
Response B

Government failure occurs when government intervention leading to a misollocation of resources, and it couses deadweight economic welfare losses. In assessing the extent to which government that the dead their intervention leads to economic welfare losses, this essay will tocus on the cases when government tailure does and

An example where opvernment intervention couses government failure is often in markets where the good is state provided, or nationalisal It we take the national grid as an example, while the government runs the provision of the good/service, there is no profit/litle produce the good at a fixed quality of

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health issues in the ER, lead to an over consumption of alcohol. This causes a social welfare loss represented by the shaded area. However, when the government intervenes and sets a minimum price at Pop, the quantity overconsumed is reduced to the socially optimal level at Que from Que, thus personal improving the economic welfare. This depends on the information accessible to the government, however, as it it is not perfect, they will not achieve the socially optimal fevel.

On belance, apvertment failure does need to improvements in economic welfare, however, apvernment intervention, if used correctly, can be used to improve economic welfare in cases, such as, the minimum price on alcohol in scotland, or in the provision of free healthcare in the UK. Thus it defends on the efficience of the government spending and how accurate the information provision to the government is.

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This is a Level 3 response

This is a medium value response. The response is well organised, it contains some satisfactory knowledge and understanding, but some weaknesses are present. There is some reasonable application of relevant economics to the context, but the examples used are not always appropriate. There is some reasonable analysis, but it is not always adequately developed, and it is confused in places. There is some fairly superficial evaluation which is not well supported by the arguments.

The student begins with an incomplete explanation of government failure, and an explanation of what they intend to do.

In the first paragraph the student indicates that they are going to consider an example of where government intervention leads to government failure. The main flaw here is that the context and example used, the 'national grid', do not match with the chosen diagram, and there is some confusion. The diagram shows that the good is provided at £0 price, which is not the case. This said, the analysis relating to the diagram is reasonable, and later in the paragraph the student uses a second example, the NHS, which fits more appropriately with their argument. The ending to this paragraph lacks clarity and does not link back to the question.

In the next paragraph, after an unclear beginning, the student uses the context of a minimum price in the market for alcohol. They include an appropriate diagram showing negative externalities in consumption, but it contains inaccuracies such as the deadweight welfare loss, and there is no indication of the excess supply that occurs due to the minimum price. On this occasion, by adding the minimum price to the diagram, the student has perhaps tried to make it show too much; it might have been clearer to use two diagrams, so that the impact of the minimum price could be simplified on a demand and supply diagram. This might have led to stronger analysis.

There is some reasonable analysis of the diagram and the effects of the minimum price, but as mentioned, there is no reference at all to the excess supply, so it is simplistic. The student does provide some evaluation by acknowledging the impact of perfect information. However, they do not effectively link back to the question, which would have made the evaluation stronger.

The conclusion lacks clarity, but it contains some relevant points, and shows a satisfactory understanding. Overall, the response would have benefited from a clearer discussion of government failure.

13 marks

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Essay 3

Question 13

Data from the Organisation for Economic Co-operation and Development (OECD) suggest that countries with very different levels of pre-tax income inequality often have similar levels of post-tax income inequality.

Explain the main causes of inequality in the distribution of pre-tax incomes.

[15 marks]

Mark scheme

Use the levels of response table on page 35 and 36.

Areas for discussion include:

- explanation of inequality and how it can relate both to pre-tax and post-tax incomes
- how market incomes include wages, rent, interest and profit dividends
- how labour markets can lead to a wide range of wages as a result of differences in labour demand, marginal revenue product (MRP), labour supply
- how discrimination affects wages and inequality
- how wealth inequality can lead to income inequality as rent, interest and profits tend to accrue to those who are wealthy
- how inequality in income can be the result of inequalities in opportunities from an early stage, including education, health, nutrition and regional disparities
- how other labour market imperfections might lead to rising inequality o monopoly and monopsony power
 - o information asymmetry
 - externalities
 - immobile factors of production
- use of examples.

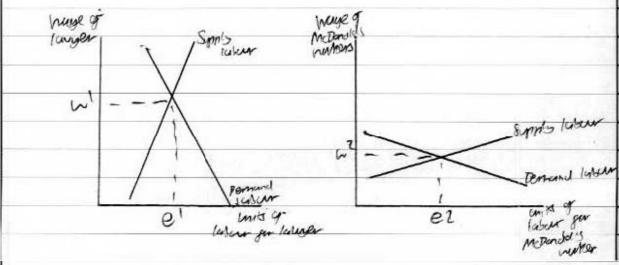
The use of relevant diagrams to support the analysis should be taken into account when assessing the quality of the student's response to the question.

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Student responses

Response A

Inequality can be Jeyned as a state whole there is a dispreparticately larger sim of nearth sincome in the hunds of the few. The tax incomes one carming begue they have been trived and an income 15 the yearly maye are received for the principles of their labour. It can be measured by the bini acceptions whereby for the UK, it is 0.54. One main cause of treaprolity is the dyserences in demand for labour. This may occur die to remy a leads of education, If one's skill sets are more scarce, die to training causes for example, will make firms a demand for labour more melosini. At shown helm, this will lead to telluniely higher aggest of on' than jour a nather who has a telluniely higher aggest of on' than jour a nather who has a telluniely bess skilled abilities whate demand and syppily of labour are elastic its secening a land aggest of in?



For example, a langer is likely to have a higher smiller given the ext varies qualifications that have to be met any this the langer is of more value to the firm out their shills' are reliables more scarce. Unite a McDerald's numbers' this are for your easier to do this their value to the firm is less to they are easily replaced, this rearing they are paid tellahiely less.

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Another main ceuse of magnetity of pre-tax income may be discrimination. This may occur against different extinities of aumen as employees' may have inconstains I conscious bruses surrunding who their beaceive the employee to be. As shown in the diagram below, this means those discriminated against are plaid a lover wage as their perceived manying Herremode product, as the revenue they can add to the firm following their employment, is lower than the in actual strilltess. That the wave large perceive will be lower at in 2 than in given the inword shop in the demand for numbers who are discriminated against.

They is the demand for numbers who are discriminated against.

They was

This is a Level 3 response

This is a high value response. The response is well organised and includes two well-developed issues. The student demonstrates sound knowledge and understanding throughout. There is good application of relevant economics to the context and the response includes well-focused analysis.

The student begins with explanations of inequality and pre-tax incomes, and an indication of how inequality is measured, including an approximate Gini coefficient value for the UK.

The student identifies a combination of skills, education and the demand and supply of labour as one of the determining factors, although each point could perhaps have been developed more fully. They effectively integrate two simple diagrams, using the examples of lawyers and McDonalds workers, to support their analysis and provide a logical chain of reasoning.

In the next paragraph the student discusses labour market discrimination. As before they use examples, and successfully integrate a diagram into the response to support their theoretical analysis.

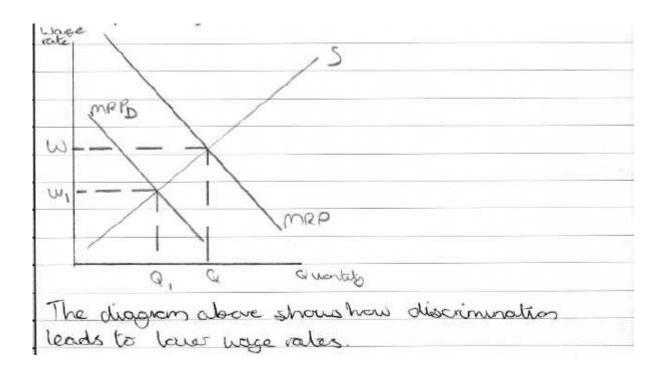
13 marks

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Response B

I requality is when some people are treated different to other, meaning they may can love uages. There is a large difference in wages between non-skulled workers and skulled workers. This is become there is a larger supply of non-skulled workers than skulled workers meaning the supply is more elastic jot non-skilled workers. When the supply of labour is more elastic, the wage rate is larver. This is because a worker is easy to replace who thre are no supply of skilled northers is more limited (the the suggery of non-statt skilled workers) meaning skilled workers can demand a higher wage. A large supply of non-skillhed workers compled with a restricted supply of skilled workers leads to large digerences in pre- tax incomes and they are inequality. One other cause of inequality may be discrimination is when one race or group of people is treated digient to everyone clae. Firms who discriminate value the discriminated workers less than they value other workers. This means that the maginal revenue & product for discriminated workers (MRPO) is less than the marginal revome product for other werkers (MRP).

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This is a Level 2 response

This is a medium value response. The response is well organised and focuses on two relevant factors. The student demonstrates satisfactory knowledge of the theory and there is some reasonable application of relevant economics to the context. There is some reasonable analysis, but it could be more developed in places, and there is a small amount of confusion.

In the first paragraph the student offers a vague explanation of inequality, which demonstrates some understanding. This leads into a discussion of the difference in wages between skilled and unskilled workers. The analysis focuses on the supply of labour and there is a brief reference to elasticity. However, whilst there is a general understanding of the issues, some of the explanation relates to the demand for labour and this is not acknowledged. In addition, the student does not use any examples to support their theory.

In the second paragraph the student identifies discrimination as a cause of inequality and provides an example. They include a relevant diagram which is successfully integrated into their response, and the accompanying analysis is reasonable.

10 marks

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A-LEVEL ECONOMICS - 7136 - PAPER 1 - ANSWERS AND COMMENTARIES

Question 14

Data from the Organisation for Economic Co-operation and Development (OECD) suggest that countries with very different levels of pre-tax income inequality often have similar levels of post-tax income inequality.

Evaluate whether the best way to reduce inequality in disposable income is to reduce differences in pre-tax incomes rather than through taxes and welfare benefits.

[25 marks]

Mark scheme

Use the level of response table on page 9.

Areas for discussion include:

- definition of disposable income, pre-tax income
- explanation of why incomes differ in a market economy, for example through differences in supply and demand for labour in different labour markets
- understanding that incomes can include not solely wages, but also other sources of income such as rent, interest and dividends
- advantages and disadvantages of policies that can be used to reduce inequality in pre-tax incomes
 - improving social mobility
 - ensuring equal opportunities in terms of education, health, labour market access and other determinants of incomes
 - o minimum wages and maximum wages
 - o tackling labour market monopsony power to prevent exploitation of workers
 - tackling product market monopoly power to prevent excessive dividends from large firms
- advantages and disadvantages of policies that can be used to redistribute income after incomes have been received such as income tax, national insurance and the provision of welfare benefits
- evaluation of policy impacts on government finances, social mobility, incentives to work and take risks, social capital
- discussion of how inequalities in the distribution of wealth can lead to inequalities in the distribution of income, and therefore policies to reduce wealth inequality may help reduce inequalities in income
- considering the extent to which inequality is undesirable and whether the government should intervene
- an assessment of the relative merits of polices to reduce inequality in pre-tax incomes compared to using the tax-benefit system to reduce inequality in disposable income.

The use of relevant diagrams to support the analysis should be taken into account when assessing the quality of the student's response to the question.

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Student responses

Response A

heunding is where a dispreputingle amount of weath I'm come is Concentrated in the hands of the few and can be measured wany He Orni coefficient which neverses the combosis of income are the community to or population. Inequality of disposable income, income after tex receipts, it centurinly a problem given its expects secially and given it is deemed inequitable, it needs to be addressed even though it is deemed a normative concept. While the tex and herept system oceanyly play a rule in reducing inequality, her do not address the cause but writer the try motion which is Why though symps side policies, the best very is reclice including Ayguratory in the text means is to reduce dysummer in the tre becomes. The hest way to value inequality it to realize disperences in me-tax incomes of that is the must likely cause of inequality. Through techning perfor dygarances in me-tex incomes, it will also sense in reduce megnating in disputable incomes gricon the feet that the to the UK's pregnance tox system, pre-tox incomes directly assect disposable income. Though sypply side patrier like Anoshing increased mending on number courses and lable to these an law incomes, 455 will myear recease Herr Mallset this making than mue valvable to from as the terence received to a Sim sellowing their employment will increase it MPD, they inscaring teri unge gran n' 4 m? were with w7

© 2024 AQA 75 of 80 As there about, though techning the dispersone in pre-text incomes by the time, lun-incomes- presenting of a higher week, the will early seeme to reduce they will be disposable income. Many sould that, this will only likely occur if the terming courses increase their ways sufficiently to combest a possible loss of transplants that his incomes therein. Mor similarly, these training courses may be the will keep by lar income ecomen officer a lock of information are their presention. Nevertheless, though impressing nextens upe the incomes thing repris rice policies, this will only seeme to techne may reliefly in disposable income as there income ecomes can receive higher ways.

Despite 45th, April 4R has and benegits system are useful in reduce incerne. The UK has a prayrestive tall system whereby up with £12,500, Here is a her per allowance and at one pays a higher proportion of his at more income is earned, this experimely serves to lover the gup between obspreach disposable incomes!

similarly, in correction with pregnessive toper, means tested banegist such that ones income must be suggested but to qualify, help

teduce inequality in disposable income through othernor such as the jeb seathers' allowance, & these benegots preside income such as europes that reducing inequality between disposable incomes by multiple present better eys.

Moneron, as it is the rose that OGCD inggests countries with your Mygerent back of five-kex income inequality year have similar levels of first-kex income inequality, the kexthorought testime team to have had little eggest. This may be likely occur given the combination of benegits and taxor may cause the proofs that there are deer not want to income the income as they will be were off as they may leve benegits and ontor a higher text hand. Thus it can be seen that the text benegit system may district the incombines of authors to improve their income, only serving to make all nearly in dispose the income.

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B conclude, He hest may to reduce they with in disposable incomes is to reduces receive disperences in pre-tax incomes on trough improving numbers: Stills, they will be able to beceive a higher maye this seeding through to reducing the gap in inequality of disposable income. The tax strength system certainly have a sile in reducing the disposable income gap for lar income numbers, yet that it is enjoyable incomes from employment and rater which is disperence in incomes from employment and rater address the cash which is disperence in incomes from employment and rater address the symptom to allerating the lines I income earners through pointing a tax free allerating the lines I income earners through pointing a tax free allerating the lines I income earners

This is a Level 5 response

This is a high value response. The response is well organised. The student demonstrates sound knowledge and there is good application of relevant economics to the context. The response includes well-focused analysis with clear and logical chains of reasoning. There is supported evaluation throughout, which directly answers the question set.

The student's opening paragraph is strong. They begin with an explanation of inequality and draw a distinction between disposable income and pre-tax incomes. This clearly addresses the issues posed by the question and is an acknowledgement that it is more than merely a 'best way to reduce inequality' question.

The first issue focuses on reducing differences in pre-tax incomes, via increased spending on training courses for those on low incomes. The student includes well-focused analysis, and they successfully integrate a relevant labour market diagram into their response. There is reasoned evaluation as they consider the downsides of the 'policy' and offer a concluding statement that effectively links back to the question. Whilst the student has demonstrated all the necessary assessment objectives in this paragraph, it might have been stronger overall if they had, for example, considered the impact of education in general rather than training courses.

In subsequent paragraphs the student focuses on the tax and benefits system and shows a keen awareness of how this works in the UK. They provide well-focused analysis of the benefits and drawbacks, particularly regarding the poverty trap. As before, these paragraphs include reasoned evaluation and a concluding statement that links back to the question.

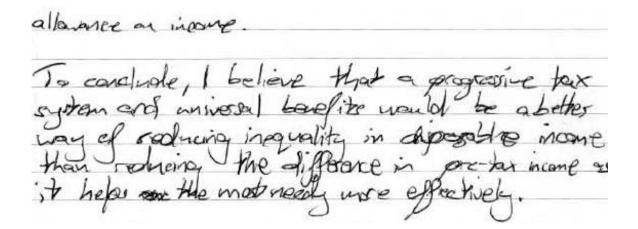
In the final paragraph the student offers a measured and sensible judgement. To improve the response, and take it closer to full marks, the student might have included more theoretical analysis regarding reducing pre-tax incomes. This said, it is a well-written and sophisticated response.

22 marks

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Response B I believe that a reduction in inequality in disposable in pre-tax incomes, rather than the Rodning the difference in pre-tex incomes would reduce inequality of disposable meaner as firms would be forced to raise which must be paid the age of 23. A man rise earners would recieve higher take home more money after disposible Uncome Clarica | Unayobyment 92 94 Quantity of Labour The diagram down that, when National minimum rage increases from NMWI to at that wage This means that, as explained they take home more disposible income policy would not myoget earned at they already earn more than this

would decrease or average reducing meguality. However the digram show that due to lexcer supply in the bear markets and a decrease indenant employ Pewer nortex, creding memployment, the site of Q3 short run lobour river, runn mode. this policy or they have no wages to rive. As such increasing welfore benefits would be a good policy as it conver that there who and have the lowest momes would have mor would limit the disport the highest earners as the more they es the proportion of their believe that a inversal poten would be most effective, progressive tour system as everyone who needs the boughts raciones it. In a selective system others are lactor and time which may brooke prevent they may benefits. Howert il evorpne, irrelevant of need, recieves it more of a burden recieve the money register. They Although it Unill be expende taxes, oselucina income of the top earner and thas is



This is a Level 3 response

This is a medium value response. The student demonstrates satisfactory knowledge and understanding but there are some weaknesses. There is reasonable application of relevant economics to the context and there is some reasonable analysis, but this could be more adequately developed in places. There is some fairly superficial evaluation, and the final judgement is not well supported.

The student's initial sentence lacks clarity. It appears that they may have revisited it and made a change, and consequently their response has a weak start.

The student then discusses a rise in the minimum wage as a means of reducing differences in both pre-tax and disposable incomes. There is an inaccurate definition of disposable income, however, the student effectively integrates a clearly drawn and accurate minimum wage diagram. The subsequent analysis is reasonable and considers some benefits and drawbacks of this policy. Whilst there are some evaluative comments, the student does not offer an overall evaluation of the policy nor a link back to the question.

The following paragraph is less organised. The student initially refers to welfare benefits, then to progressive taxation, then to a universal benefits system. They make some evaluative comments, but these tend to be based on assertion rather than supported by analysis. There is a link to the tax-free allowance, but this lacks clarity.

The overall judgement is not well supported, and basically repeats some of what the student has written in the preceding paragraph.

14 marks

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