



Cambridge IGCSE™

ECONOMICS

0455/22

Paper 2 Structured Questions

March 2020

MARK SCHEME

Maximum Mark: 90

Published

This mark scheme is published as an aid to teachers and candidates, to indicate the requirements of the examination. It shows the basis on which Examiners were instructed to award marks. It does not indicate the details of the discussions that took place at an Examiners' meeting before marking began, which would have considered the acceptability of alternative answers.

Mark schemes should be read in conjunction with the question paper and the Principal Examiner Report for Teachers.

Cambridge International will not enter into discussions about these mark schemes.

Cambridge International is publishing the mark schemes for the March 2020 series for most Cambridge IGCSE™, Cambridge International A and AS Level components and some Cambridge O Level components.

This document consists of **23** printed pages.

Generic Marking Principles

These general marking principles must be applied by all examiners when marking candidate answers. They should be applied alongside the specific content of the mark scheme or generic level descriptors for a question. Each question paper and mark scheme will also comply with these marking principles.

GENERIC MARKING PRINCIPLE 1:

Marks must be awarded in line with:

- the specific content of the mark scheme or the generic level descriptors for the question
- the specific skills defined in the mark scheme or in the generic level descriptors for the question
- the standard of response required by a candidate as exemplified by the standardisation scripts.

GENERIC MARKING PRINCIPLE 2:

Marks awarded are always **whole marks** (not half marks, or other fractions).

GENERIC MARKING PRINCIPLE 3:

Marks must be awarded **positively**:

- marks are awarded for correct/valid answers, as defined in the mark scheme. However, credit is given for valid answers which go beyond the scope of the syllabus and mark scheme, referring to your Team Leader as appropriate
- marks are awarded when candidates clearly demonstrate what they know and can do
- marks are not deducted for errors
- marks are not deducted for omissions
- answers should only be judged on the quality of spelling, punctuation and grammar when these features are specifically assessed by the question as indicated by the mark scheme. The meaning, however, should be unambiguous.

GENERIC MARKING PRINCIPLE 4:

Rules must be applied consistently e.g. in situations where candidates have not followed instructions or in the application of generic level descriptors.

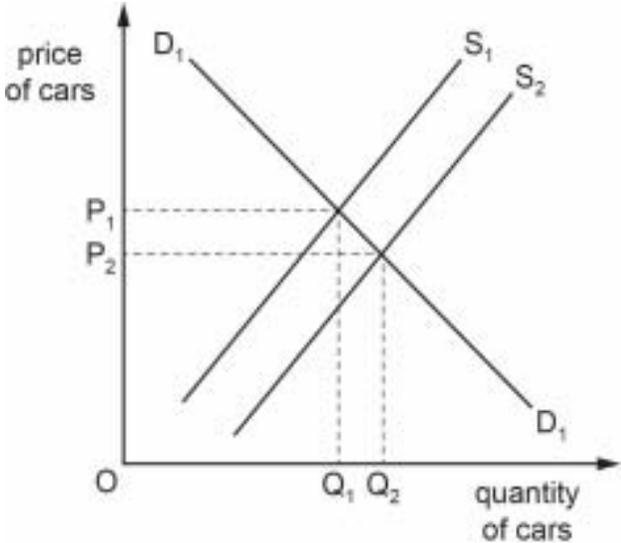
GENERIC MARKING PRINCIPLE 5:

Marks should be awarded using the full range of marks defined in the mark scheme for the question (however; the use of the full mark range may be limited according to the quality of the candidate responses seen).

GENERIC MARKING PRINCIPLE 6:

Marks awarded are based solely on the requirements as defined in the mark scheme. Marks should not be awarded with grade thresholds or grade descriptors in mind.

Question	Answer	Marks	Guidance
1(a)	<p>Calculate India's economic growth rate in 2017.</p> <p>7% (1).</p>	1	
1(b)	<p>Identify <u>two</u> methods of protection.</p> <p>One mark each for any two from:</p> <ul style="list-style-type: none"> • tariff • quota 	2	
1(c)	<p>State why India is a mixed economy.</p> <p>It has a private sector / private sector firms (1) and a public sector / public sector firms /government intervention (1).</p>	2	
1(d)	<p>Explain why external costs cause market failure.</p> <p>Logical explanation which might include:</p> <p>External costs are not considered (1) base decisions just on private costs and benefits (1). They cause harmful effects to third parties / negative side effects (1) they result in overconsumption (1) and overproduction (1). Their existence may mean that social costs exceed social benefits (1). Examples of causes or costs: e.g. driving, pollution / environmental damage, burning fields and mining (up to 2). They result in a misallocation of resources / inefficient use of resources (1).</p>	4	

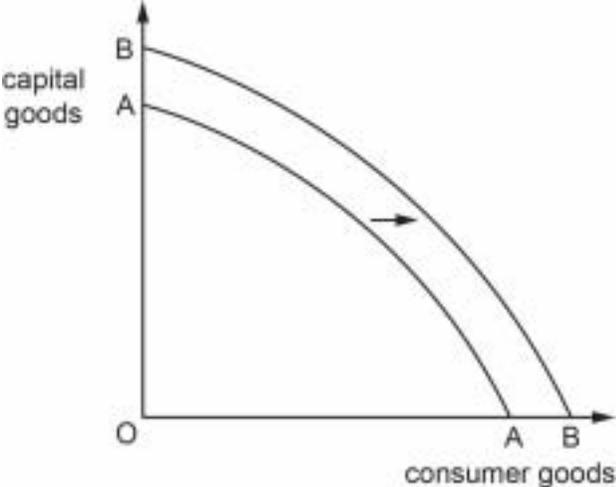
Question	Answer	Marks	Guidance
1(e)	<p>Draw a demand and supply diagram to show the effects of a decrease in the costs of production on the market for cars.</p> <p>Axes correctly labelled – price and quantity or P and Q (1). Demand and supply curves correctly labelled (1). Supply curve shifted to the right (1). Equilibriums – shown by lines $P_1, P_2 / Q_1, Q_2$: or marking the equilibrium points E_1 and E_2 (1).</p>	4	

Question	Answer	Marks	Guidance
1(f)	<p>Analyse the relationship between the size of countries' primary sector output and GDP per head.</p> <p>Coherent analysis which might include:</p> <p>Generally, the countries with the relatively smallest primary sectors have the highest GDP per head / inverse relationship (1).</p> <p>Evidence e.g. US has only 1% of output accounted for by the primary sector and the highest GDP per head (1) another piece of supporting evidence e.g. the two countries with the largest primary sectors have the lowest GDP per head (1).</p> <p>Exception is India/Philippines (1) India has a smaller relative sized primary sector but a lower GDP per head (1).</p> <p>This is the expected relationship as primary sector tends to decline as an economy develops / often larger in developing economies / resources move into secondary and then tertiary sectors (1) tertiary sector tends to generate higher incomes / primary sector tends to generate lower incomes (1).</p>	5	

Question	Answer	Marks	Guidance										
1(g)	<p>Discuss whether or not increasing subsidies given to bus travel would reduce pollution in India.</p> <p>Award up to 4 marks for logical reasons why it might, which may include:</p> <ul style="list-style-type: none"> subsidies reduce costs (1) increase supply (1) lower prices (1) raise quality of bus travel (1) and cause demand to extend / higher demand (1) people using buses will reduce the volume of traffic/reduce congestion (1) buses use cleaner fuel (1). <p>Award up to 4 marks for logical reasons why it might not, which may include:</p> <ul style="list-style-type: none"> people may not switch from car to bus travel (1) price of cars may fall (1) cost of producing cars is declining (1) other reason why e.g. more comfortable / door to door (1). providers of bus transport may not pass on much of the subsidies in the form of lower prices (1) opportunity cost of using subsidies (1) could spend money on other ways to reduce pollution e.g. education (1) economy is growing so incomes rising (1) both bus and car travel may increase (1). 	6	<p>Apply this example to all questions with the command word DISCUSS (1g, 1h, 2d, 3d, 4d and 5d)</p> <p>Each point may be credited only once, on either side of an argument, but separate development as to how/why the outcome may differ is rewarded.</p> <table border="1" data-bbox="1473 520 2078 1187"> <thead> <tr> <th data-bbox="1473 520 1966 584">Generic example</th> <th data-bbox="1966 520 2078 584">mark</th> </tr> </thead> <tbody> <tr> <td data-bbox="1473 584 1966 647">Tax revenue may decrease...</td> <td data-bbox="1966 584 2078 647">1</td> </tr> <tr> <td data-bbox="1473 647 1966 746">...because of reason e.g. incomes may be lower.</td> <td data-bbox="1966 647 2078 746">1</td> </tr> <tr> <td data-bbox="1473 746 1966 880">Tax revenue may increase because incomes may be higher i.e. reverse of a previous argument.</td> <td data-bbox="1966 746 2078 880">0</td> </tr> <tr> <td data-bbox="1473 880 1966 1187">Tax revenue may increase because of a different reason i.e. <u>not</u> the reverse of previous argument e.g. government spending on subsidies may stimulate the economy more than spending on education.</td> <td data-bbox="1966 880 2078 1187">1</td> </tr> </tbody> </table> <p>Reward application of subsidies to producers and/or consumers.</p> <p>Increase in supply, lower prices, extension in demand may be shown on a demand and supply diagram.</p>	Generic example	mark	Tax revenue may decrease...	1	...because of reason e.g. incomes may be lower.	1	Tax revenue may increase because incomes may be higher i.e. reverse of a previous argument.	0	Tax revenue may increase because of a different reason i.e. <u>not</u> the reverse of previous argument e.g. government spending on subsidies may stimulate the economy more than spending on education.	1
Generic example	mark												
Tax revenue may decrease...	1												
...because of reason e.g. incomes may be lower.	1												
Tax revenue may increase because incomes may be higher i.e. reverse of a previous argument.	0												
Tax revenue may increase because of a different reason i.e. <u>not</u> the reverse of previous argument e.g. government spending on subsidies may stimulate the economy more than spending on education.	1												

Question	Answer	Marks	Guidance
1(h)	<p>Discuss whether or not India is likely to experience a deficit on the current account of its balance of payments in the future.</p> <p>Award up to 4 marks for logical reasons why it might, which may include:</p> <ul style="list-style-type: none"> • there was a deficit in 2016 and 2017 (1) and it was on an upward trend (1) • incomes are rising / economic growth is occurring (1) and so more imports may be purchased both by consumers and by firms (1) • it is expected that the exchange rate will rise (1) this may increase the price of exports (1) and demand for exports may fall (1) price of imports may fall (1) so demand for imports may rise (1) • Indian trade restrictions may be reduced / Indian government promoting free trade (1) which may increase imports (1). • tax rates may be cut (1) with more disposable income (1) people may buy more imports (1). <p>Award up to 4 marks for logical reasons why it might not, which may include:</p> <ul style="list-style-type: none"> • there may be more foreign tourists (1) if pollution declines (1) • lower tariff on imported raw materials / imported capital goods (1) may reduce costs of production (1). • other countries may remove their trade restrictions (1) allowing India's exports to rise (1) • if the government does spend more on education (1) productivity may rise (1) and India's products may become more price and quality competitive (1). • MNCs may be attracted for a number of the reasons given (1) MNCs may produce exports / import substitutes (1). • Higher investment (1) may raise quality of exports / domestic products (1) lower price of exports (1). • Car production is rising (1) more cars may be exported / fewer cars may be imported (1). 	6	

Question	Answer	Marks	Guidance
2(a)	<p>State the formula for calculating the price elasticity of supply (PES).</p> $\frac{\% \text{ change in quantity supplied}}{\% \text{ change in price}} \text{ (2).}$ <p>OR</p> <p>Percentage change in quantity supplied divided by percentage change in price (2).</p>	2	
2(b)	<p>Explain how opportunity cost is different for economic goods and free goods.</p> <p>Logical explanation which might include:</p> <p>Economic goods have an opportunity cost (1) resources are used to produce them / resources have alternative uses / if resources are used to produce one economic good, they cannot be used to produce another good / in limited supply (1).</p> <p>Free goods do not have an opportunity cost (1) resources are not used to produce them / there is no restriction on their supply (1).</p>	4	One mark for each of two differences identified and one mark for each explanation.

Question	Answer	Marks	Guidance
2(c)	<p>Analyse, using a production possibility curve (PPC) diagram, the effect of an increase in enterprise on an economy.</p> <p>Up to 4 marks for the diagram:</p> <p>Axes correctly labelled (1). Initial curve drawn as a curve / downward sloping line to the axes (1). New curve drawn as a curve / downward sloping line to the axes (1). Shift to the right indicated by arrow or lettering (1).</p> <p>Up to 2 marks for coherent analysis which might include:</p> <p>Enterprise is a factor of production / resource (1) there will be more risk takers / decision makers / firms (1) more enterprise increases productive capacity / potential / maximum output that can be produced / causes economic growth (1).</p>	6	

Question	Answer	Marks	Guidance						
2(d)	<p>Discuss whether or not skilled workers are always paid more than unskilled workers.</p> <p>In assessing each answer, use the table opposite.</p> <p>Why they might be:</p> <ul style="list-style-type: none"> skilled workers may be in shorter supply as they may require training and qualifications skilled workers may be in inelastic supply and demand for them may be inelastic skilled workers may be in higher demand as they will be more productive skilled workers may have stronger bargaining power skilled workers may be more likely to work in the tertiary sector Skilled workers may be more mobile. <p>Why they might not be:</p> <ul style="list-style-type: none"> skilled workers may have less experience and may be in less promoted positions skilled workers may be in declining industries skilled workers may place more importance on non-wage factors when deciding what jobs to do skilled workers in poorer countries may have lower wages than some unskilled workers in richer countries. <p>Example of a Level 3 answer: <i>Skilled workers may be paid more than unskilled workers as they have more qualifications and/or experience, so demand may be high compared to supply. Supply could be low due to long training required to learn skills, so the labour market would be more competitive and skilled workers higher paid. Demand for the products skilled workers provide may be higher, so their pay could be higher due to higher derived demand. Also, they may belong to stronger trade unions which have more bargaining power to negotiate for higher pay.</i></p>	8	<p>Accept responses from the viewpoint of why unskilled workers may be paid more.</p> <table border="1" data-bbox="1473 320 2083 1198"> <thead> <tr> <th data-bbox="1473 320 1588 384">Level</th> <th data-bbox="1588 320 1966 384">Description</th> <th data-bbox="1966 320 2083 384">Marks</th> </tr> </thead> <tbody> <tr> <td data-bbox="1473 384 1588 1198">3</td> <td data-bbox="1588 384 1966 1198">A reasoned discussion which accurately examines both sides of the economic argument, making use of economic information and clear and logical analysis to evaluate economic issues and situations. One side of the argument may have more depth than the other, but overall both sides of the argument are considered and developed. There is thoughtful evaluation of economic concepts, terminology, information and/or data appropriate to the question. The discussion may also point out the possible uncertainties of alternative decisions and outcomes.</td> <td data-bbox="1966 384 2083 1198">6–8</td> </tr> </tbody> </table>	Level	Description	Marks	3	A reasoned discussion which accurately examines both sides of the economic argument, making use of economic information and clear and logical analysis to evaluate economic issues and situations. One side of the argument may have more depth than the other, but overall both sides of the argument are considered and developed. There is thoughtful evaluation of economic concepts, terminology, information and/or data appropriate to the question. The discussion may also point out the possible uncertainties of alternative decisions and outcomes.	6–8
Level	Description	Marks							
3	A reasoned discussion which accurately examines both sides of the economic argument, making use of economic information and clear and logical analysis to evaluate economic issues and situations. One side of the argument may have more depth than the other, but overall both sides of the argument are considered and developed. There is thoughtful evaluation of economic concepts, terminology, information and/or data appropriate to the question. The discussion may also point out the possible uncertainties of alternative decisions and outcomes.	6–8							

Question	Answer	Marks	Guidance														
2(d)	<p><i>It is also possible that unskilled workers could be higher paid. This is because their work may be dangerous, e.g. miners, so the supply of workers willing to do the job may be lower and firms have to pay more to attract workers. Long working hours (less leisure time) and poor working conditions mean unskilled workers may be higher paid, and if the work is boring and very few people are willing to do the job. For example, cleaners in the US are paid much higher wages than cleaners in India as the number of people willing to accept a job as a cleaner in the US is very low. There is even a possibility that unskilled workers could be paid higher than skilled workers.</i></p> <p>Principal Examiner comment: This is a strong L3 response. It is a two-sided answer with depth and logical links. For example, the candidate links qualifications and experience to demand for and supply of workers, as well as linking demand for workers with demand for the products they produce. The candidate discusses some of the key influences on wage determination.</p>		<table border="1"> <thead> <tr> <th data-bbox="1473 220 1588 284">Level</th> <th data-bbox="1588 220 1966 284">Description</th> <th data-bbox="1966 220 2085 284">Marks</th> </tr> </thead> <tbody> <tr> <td data-bbox="1473 284 1588 756">2</td> <td data-bbox="1588 284 1966 756">A reasoned discussion which makes use of economic information and clear analysis to evaluate economic issues and situations. The answer may lack some depth and development may be one-sided. There is relevant use of economic concepts, terminology, information and data appropriate to the question.</td> <td data-bbox="1966 284 2085 756">3–5</td> </tr> <tr> <td data-bbox="1473 756 1588 1027">1</td> <td data-bbox="1588 756 1966 1027">There is a simple attempt at using economic definitions and terminology. Some reference may be made to economic theory, with occasional understanding.</td> <td data-bbox="1966 756 2085 1027">1–2</td> </tr> <tr> <td data-bbox="1473 1027 1588 1161">0</td> <td data-bbox="1588 1027 1966 1161">A mark of zero should be awarded for no creditable content.</td> <td data-bbox="1966 1027 2085 1161">0</td> </tr> </tbody> </table>			Level	Description	Marks	2	A reasoned discussion which makes use of economic information and clear analysis to evaluate economic issues and situations. The answer may lack some depth and development may be one-sided. There is relevant use of economic concepts, terminology, information and data appropriate to the question.	3–5	1	There is a simple attempt at using economic definitions and terminology. Some reference may be made to economic theory, with occasional understanding.	1–2	0	A mark of zero should be awarded for no creditable content.	0
Level	Description	Marks															
2	A reasoned discussion which makes use of economic information and clear analysis to evaluate economic issues and situations. The answer may lack some depth and development may be one-sided. There is relevant use of economic concepts, terminology, information and data appropriate to the question.	3–5															
1	There is a simple attempt at using economic definitions and terminology. Some reference may be made to economic theory, with occasional understanding.	1–2															
0	A mark of zero should be awarded for no creditable content.	0															

Question	Answer	Marks	Guidance
3(a)	<p>Define <i>total revenue</i>.</p> <p>The total income / money received (1) from a firm's sales (1).</p> <p>OR</p> <p>Price (1) multiplied by quantity sold (1).</p>	2	
3(b)	<p>Explain <u>two</u> differences between capital and labour.</p> <p>Logical explanation which might include:</p> <p>Capital is a human-made resource / factor of production / machines (1) labour is a human resource / factor of production / workers / type of worker (1)</p> <p>Capital is increased by investment (1) labour is increased by e.g. rises in population (1)</p> <p>The quality of capital is improved by advances in technology (1) the quality of labour is improved by e.g. better education (1)</p> <p>Capital is paid interest (1) labour is paid wages (1).</p> <p>Capital can be a fixed cost (1) whereas labour can be a variable cost (1).</p> <p>Capital can be a one-off investment (1) wages are paid regularly (1).</p> <p>Labour tends to be mobile (1) capital tends to be immobile (1).</p> <p>Capital can work for 24 hours (1) workers have breaks / work for less than 24 hours (1).</p>	4	One mark for each of two differences identified and one mark for each explanation.

Question	Answer	Marks	Guidance
3(c)	<p>Analyse the possible effects on consumers of a merger between two paper-producing firms.</p> <p>Coherent analysis which might include:</p> <p>This would be a horizontal merger (1) it may enable the merged firm to take greater advantage of economies of scale (1) so lower average costs of production (1) which may lower prices (1) enabling consumers to buy more / save more (1).</p> <p>The merger may increase profits (1) allowing the merged firm to spend more on e.g. R&D (1) gain new ideas (1) increase investment (1) consumers may gain from a rise in the quality of the product (1) new products may be produced(1).</p> <p>The merger may reduce competition / result in a monopoly (1) which may increase prices (1).</p> <p>If the merged firm is a monopoly it may restrict supply / result in outlets being shut down (1) making it more difficult for consumers to obtain the product (1) may reduce choice (1) may result in diseconomies of scale (1).</p> <p>A reduction in competitive pressure (1) may reduce the quality of the product (1).</p>	6	

Question	Answer	Marks	Guidance								
3(d)	<p>Discuss whether or not demand for coffee is likely to rise in the future.</p> <p>In assessing each answer, use the table opposite.</p> <p>Why it might:</p> <ul style="list-style-type: none"> • incomes may rise increasing people’s ability to buy coffee • price may fall (due to e.g. subsidies) increasing people’s willingness and ability to buy coffee • the quality of coffee may rise • population may increase. <p>Why it might not:</p> <ul style="list-style-type: none"> • price of substitutes, such as tea / coffee produced by other countries, may fall so people may switch away from drinking coffee • there may be a health report suggesting that drinking coffee is harmful to health • the price of complements, such as milk, may rise • taxes / tariffs may be imposed on coffee • Less may be spent on marketing. <p>Example of a Level 2 answer: <i>Coffee is an inelastic good which means the demand for it remains the same irrespective of the price. The demand for coffee increases with time as the population grows, so demand may be a constant growth. However, demand may not rise in the future as there are alternatives to coffee. Education on the harmful effects of coffee has increased leading to less consumption of coffee, reducing the demand for it.</i></p>	8	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th data-bbox="1473 220 1588 284">Level</th> <th data-bbox="1588 220 1966 284">Description</th> <th data-bbox="1966 220 2078 284">Marks</th> </tr> </thead> <tbody> <tr> <td data-bbox="1473 284 1588 1094" style="text-align: center; vertical-align: top;">3</td> <td data-bbox="1588 284 1966 1094" style="vertical-align: top;">A reasoned discussion which accurately examines both sides of the economic argument, making use of economic information and clear and logical analysis to evaluate economic issues and situations. One side of the argument may have more depth than the other, but overall both sides of the argument are considered and developed. There is thoughtful evaluation of economic concepts, terminology, information and/or data appropriate to the question. The discussion may also point out the possible uncertainties of alternative decisions and outcomes.</td> <td data-bbox="1966 284 2078 1094" style="text-align: center; vertical-align: top;">6–8</td> </tr> </tbody> </table>			Level	Description	Marks	3	A reasoned discussion which accurately examines both sides of the economic argument, making use of economic information and clear and logical analysis to evaluate economic issues and situations. One side of the argument may have more depth than the other, but overall both sides of the argument are considered and developed. There is thoughtful evaluation of economic concepts, terminology, information and/or data appropriate to the question. The discussion may also point out the possible uncertainties of alternative decisions and outcomes.	6–8
Level	Description	Marks									
3	A reasoned discussion which accurately examines both sides of the economic argument, making use of economic information and clear and logical analysis to evaluate economic issues and situations. One side of the argument may have more depth than the other, but overall both sides of the argument are considered and developed. There is thoughtful evaluation of economic concepts, terminology, information and/or data appropriate to the question. The discussion may also point out the possible uncertainties of alternative decisions and outcomes.	6–8									

Question	Answer	Marks	Guidance														
3(d)	<p>Principal Examiner comment: The answer is two-sided but lacks depth. It starts with a confused statement on the meaning of a product having price-inelastic demand. It then correctly identifies an influence on demand for coffee (population) and shows understanding of how an increase in population will affect demand for coffee. On side two, the influence of alternatives (substitutes) is accurate and there is a clear link between education and reduced demand for coffee. More discussion on, for example, changes in relative price or quality of substitutes would have been appropriate.</p>		<table border="1"> <thead> <tr> <th data-bbox="1473 220 1588 284">Level</th> <th data-bbox="1588 220 1966 284">Description</th> <th data-bbox="1966 220 2085 284">Marks</th> </tr> </thead> <tbody> <tr> <td data-bbox="1473 284 1588 754">2</td> <td data-bbox="1588 284 1966 754">A reasoned discussion which makes use of economic information and clear analysis to evaluate economic issues and situations. The answer may lack some depth and development may be one-sided. There is relevant use of economic concepts, terminology, information and data appropriate to the question.</td> <td data-bbox="1966 284 2085 754">3–5</td> </tr> <tr> <td data-bbox="1473 754 1588 1026">1</td> <td data-bbox="1588 754 1966 1026">There is a simple attempt at using economic definitions and terminology. Some reference may be made to economic theory, with occasional understanding.</td> <td data-bbox="1966 754 2085 1026">1–2</td> </tr> <tr> <td data-bbox="1473 1026 1588 1161">0</td> <td data-bbox="1588 1026 1966 1161">A mark of zero should be awarded for no creditable content.</td> <td data-bbox="1966 1026 2085 1161">0</td> </tr> </tbody> </table>			Level	Description	Marks	2	A reasoned discussion which makes use of economic information and clear analysis to evaluate economic issues and situations. The answer may lack some depth and development may be one-sided. There is relevant use of economic concepts, terminology, information and data appropriate to the question.	3–5	1	There is a simple attempt at using economic definitions and terminology. Some reference may be made to economic theory, with occasional understanding.	1–2	0	A mark of zero should be awarded for no creditable content.	0
Level	Description	Marks															
2	A reasoned discussion which makes use of economic information and clear analysis to evaluate economic issues and situations. The answer may lack some depth and development may be one-sided. There is relevant use of economic concepts, terminology, information and data appropriate to the question.	3–5															
1	There is a simple attempt at using economic definitions and terminology. Some reference may be made to economic theory, with occasional understanding.	1–2															
0	A mark of zero should be awarded for no creditable content.	0															

Question	Answer	Marks	Guidance
4(a)	<p>Define <i>gender distribution</i>.</p> <p>The number of males compared to the number of females in the population / the ratio of males to females in the population (2). The sex distribution / sex ratio (1).</p>	2	
4(b)	<p>Explain <u>two</u> benefits of a higher economic growth rate.</p> <p>Logical explanation which might include:</p> <p>Higher incomes / output (GDP) / spending (1) better living standards (1) Reduced poverty (1) able to afford basic necessities / more goods and services available (1) Reduced unemployment (1) more jobs created (1) Increased tax revenue (1) providing more funds to spend on education/healthcare (1) Higher confidence (1) increase investment (1). Attract MNCs (1) due to higher total (aggregate) demand (1). Higher exports (1) may exceed higher imports / may improve the current account position (1). Increase the country's economic power (1) e.g. in trade negotiations (1).</p>	4	One mark for each of two benefits identified and one mark for each explanation.

Question	Answer	Marks	Guidance
4(c)	<p>Analyse the disadvantages of a rapidly growing population.</p> <p>Coherent analysis which might include:</p> <p>A rapidly growing population may deplete resources more quickly (1) reducing the country's ability to grow in the future / reduce the sustainability of growth (1)</p> <p>A rapidly growing population may take the population beyond the optimum level / overpopulated (1) reducing income / GDP per head (1) may cause overcrowding (1).</p> <p>May be pressure on food supplies (1) pollution may increase (1) may put pressure for government spending to rise (1).</p> <p>A rapidly growing population will increase dependents (1) if due to a rise in the birth rate (1) more resources will have to be devoted to providing e.g. primary education (1) some parents may leave the labour force (1).</p> <p>If the rise in population is due to a fall in the death rate (1) more pensions may have to be provided (1) increased cost of healthcare (1) taxes may have to be raised (1)</p> <p>If the rise is due to net immigration (1) there may be an increased burden on housing and healthcare (1).</p>	6	

Question	Answer	Marks	Guidance								
4(d)	<p>Discuss whether or not a cut in the rate of interest will increase investment.</p> <p>In assessing each answer, use the table opposite.</p> <p>Why it might:</p> <ul style="list-style-type: none"> • it may increase consumer spending as there will be less reward from saving, which may encourage firms to increase their output • it will reduce the cost of borrowing to purchase capital goods • firms may be encouraged to invest rather than save • MNCs may be attracted into the country as investment will be cheaper. <p>Why it might not:</p> <ul style="list-style-type: none"> • the rate of interest may still be high / may be expected to rise in the future • firms may be pessimistic about the future • firms may be working with spare capacity • the cost of capital equipment may rise • lower saving may reduce funds available for investment • banks may be reluctant to lend. <p>Example of a Level 2 answer: <i>A cut in the rate of interest will decrease the cost of taking out loans. This will enable firms to borrow more and lead to them buying more capital goods which will increase investment. The return on saving would also reduce, encouraging firms to spend their money rather than save it as the opportunity cost of spending would be lower. Lower interest rates might also mean that consumer spending is greater so firms' profits may increase enabling them to expand.</i></p> <p>Principal Examiner comment: This answer provides strong and relevant links, but it is clearly only one-sided so can only achieve a maximum of L2.</p>	8	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th data-bbox="1473 220 1588 284">Level</th> <th data-bbox="1588 220 1966 284">Description</th> <th data-bbox="1966 220 2078 284">Marks</th> </tr> </thead> <tbody> <tr> <td data-bbox="1473 284 1588 1094" style="text-align: center; vertical-align: top;">3</td> <td data-bbox="1588 284 1966 1094" style="vertical-align: top;">A reasoned discussion which accurately examines both sides of the economic argument, making use of economic information and clear and logical analysis to evaluate economic issues and situations. One side of the argument may have more depth than the other, but overall both sides of the argument are considered and developed. There is thoughtful evaluation of economic concepts, terminology, information and/or data appropriate to the question. The discussion may also point out the possible uncertainties of alternative decisions and outcomes.</td> <td data-bbox="1966 284 2078 1094" style="text-align: center; vertical-align: top;">6–8</td> </tr> </tbody> </table>			Level	Description	Marks	3	A reasoned discussion which accurately examines both sides of the economic argument, making use of economic information and clear and logical analysis to evaluate economic issues and situations. One side of the argument may have more depth than the other, but overall both sides of the argument are considered and developed. There is thoughtful evaluation of economic concepts, terminology, information and/or data appropriate to the question. The discussion may also point out the possible uncertainties of alternative decisions and outcomes.	6–8
Level	Description	Marks									
3	A reasoned discussion which accurately examines both sides of the economic argument, making use of economic information and clear and logical analysis to evaluate economic issues and situations. One side of the argument may have more depth than the other, but overall both sides of the argument are considered and developed. There is thoughtful evaluation of economic concepts, terminology, information and/or data appropriate to the question. The discussion may also point out the possible uncertainties of alternative decisions and outcomes.	6–8									

Question	Answer	Marks	Guidance		
4(d)			Level	Description	Marks
			2	A reasoned discussion which makes use of economic information and clear analysis to evaluate economic issues and situations. The answer may lack some depth and development may be one-sided. There is relevant use of economic concepts, terminology, information and data appropriate to the question.	3–5
			1	There is a simple attempt at using economic definitions and terminology. Some reference may be made to economic theory, with occasional understanding.	1–2
			0	A mark of zero should be awarded for no creditable content.	0

Question	Answer	Marks	Guidance
5(a)	<p>State <u>two</u> reasons for levying taxes.</p> <p>One mark each for any two from:</p> <ul style="list-style-type: none"> • raise revenue • redistribute income • discourage consumption of demerit goods • reduce imports • reduce / influence total demand / influence economic activity / reduce inflation. 	2	
5(b)	<p>Explain the difference between a progressive tax and a regressive tax.</p> <p>Logical explanation which might include:</p> <p>A progressive tax takes a larger proportion (1) of the income of the rich / of income as it rises (1) falls more heavily on the rich (1) make income more evenly distributed (1) direct taxes are often progressive (1) example (1). A regressive tax takes a larger proportion (1) of the income of those on low income / falls as income rises (1) falls more heavily on those on low income (1) make income less evenly distributed (1) indirect taxes are often regressive (1) example (1).</p>	4	<p>One mark for each difference identified and one mark for each explanation. Maximum of 2 marks for progressive tax and maximum of 2 marks for regressive tax.</p>

Question	Answer	Marks	Guidance
5(c)	<p>Analyse how a cut in in the rates of corporation tax and income tax may influence the number of MNCs setting up in the country.</p> <p>Coherent analysis which might include:</p> <p>Firms will be able to keep more of their profits (1) firms may be profit motivated/seeking to maximise profits (1) MNCs will compare the profits they can earn in a number of countries (1) lower corporation tax will enable them to invest more / expand (1) pay higher dividends (1). Lower income tax will increase disposable income (1) may increase demand for consumer goods (1) increase the market for the MNCs products (1) may reduce pressure for wage rises (1) may make workers more motivated and so more productive (1). Lower tax revenue may reduce a government’s ability to spend (1) on e.g. education and healthcare (1) this may reduce labour productivity (1) which may increase MNCs’ costs (1).</p>	6	A maximum of 4 marks if only corporation tax or income tax is considered.

Question	Answer	Marks	Guidance								
5(d)	<p>Discuss whether or not people in a high income country always enjoy a higher living standard than those in a low income country.</p> <p>In assessing each answer, use the table opposite.</p> <p>Why they might:</p> <ul style="list-style-type: none"> • may be able to enjoy more / better quality goods and services • may receive good healthcare and so enjoy long life expectancy • may enjoy good education and so have more choices • working conditions may be better with less workers in jobs involving hard physical labour / more people working in the tertiary sector • may be able to save, providing security for the future. <p>Why they might not:</p> <ul style="list-style-type: none"> • income may be unevenly distributed and some people in the population may be living in poverty, some may be unemployed • pollution levels may be higher in the country • people may be working longer hours, having less leisure time, more stressed • some of the products produced in high income countries may be demerit goods • may be high cost of living • may have high tax rate <p>Example of a Level 1 answer: <i>Yes because people living in high income area will enjoy luxuries of life and those living in low income country will get less opportunity to enjoy their life.</i></p> <p>Principal Examiner comment: This answer is a maximum of L1. It only identifies that people in high income countries are more likely to enjoy luxury products. There is no development of links (analytical or evaluative discussion) in response to either side of the question.</p>	8	<table border="1"> <thead> <tr> <th data-bbox="1473 220 1588 284">Level</th> <th data-bbox="1588 220 1966 284">Description</th> <th data-bbox="1966 220 2080 284">Marks</th> </tr> </thead> <tbody> <tr> <td data-bbox="1473 284 1588 1094">3</td> <td data-bbox="1588 284 1966 1094">A reasoned discussion which accurately examines both sides of the economic argument, making use of economic information and clear and logical analysis to evaluate economic issues and situations. One side of the argument may have more depth than the other, but overall both sides of the argument are considered and developed. There is thoughtful evaluation of economic concepts, terminology, information and/or data appropriate to the question. The discussion may also point out the possible uncertainties of alternative decisions and outcomes.</td> <td data-bbox="1966 284 2080 1094">6–8</td> </tr> </tbody> </table>			Level	Description	Marks	3	A reasoned discussion which accurately examines both sides of the economic argument, making use of economic information and clear and logical analysis to evaluate economic issues and situations. One side of the argument may have more depth than the other, but overall both sides of the argument are considered and developed. There is thoughtful evaluation of economic concepts, terminology, information and/or data appropriate to the question. The discussion may also point out the possible uncertainties of alternative decisions and outcomes.	6–8
Level	Description	Marks									
3	A reasoned discussion which accurately examines both sides of the economic argument, making use of economic information and clear and logical analysis to evaluate economic issues and situations. One side of the argument may have more depth than the other, but overall both sides of the argument are considered and developed. There is thoughtful evaluation of economic concepts, terminology, information and/or data appropriate to the question. The discussion may also point out the possible uncertainties of alternative decisions and outcomes.	6–8									

Question	Answer	Marks	Guidance		
5(d)			Level	Description	Marks
			2	A reasoned discussion which makes use of economic information and clear analysis to evaluate economic issues and situations. The answer may lack some depth and development may be one-sided. There is relevant use of economic concepts, terminology, information and data appropriate to the question.	3–5
			1	There is a simple attempt at using economic definitions and terminology. Some reference may be made to economic theory, with occasional understanding.	1–2
			0	A mark of zero should be awarded for no creditable content.	0