

**UNIVERSITY OF CAMBRIDGE INTERNATIONAL EXAMINATIONS**  
International General Certificate of Secondary Education

**MARK SCHEME for the October/November 2011 question paper  
for the guidance of teachers**

**0455 ECONOMICS**

**0455/23**

Paper 2 (Structured Questions), maximum raw mark 80

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.

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- 1 (a) Possible benefits of economic development:
- increase in standard of living/quality of life
  - better educational opportunities
  - improved health care
  - increase in incomes
  - increase in employment
  - increase in output/real GDP/economic growth
  - higher ranking in Human Development Index.
- [4]

A list-like approach can gain no more than 2 marks.

- (b) Any two reasons:
- to ensure that the natural resources of natural gas and oil are extracted
  - this could contribute to economic growth/encourage economic development
  - taxation on this could lead to an increase in government revenue
  - could help to create wealth/increase living standards
  - large amount of land/supply could reduce price
  - not enough resources to develop without external support.
- [4]

- (c) Potential disadvantages:
- may be more inefficient
  - will be supported by public funds and so will not be so worried about making profits
  - may have less concern for the environment (indicated in item)
  - may not have the necessary expertise/knowledge
  - possibly too much interference from politicians
  - issue of opportunity cost.
- [4]

A list-like approach can gain no more than 2 marks.

- (d) Use of resources:
- contributes to the economic development of Peru
  - leads to a higher standard of living/quality of life.

Conservation of resources:

- this will be better in the long-term
- avoids using up scarce resources too quickly
- need to be mindful of environmental impact of use/exploitation; people in Peru have been unhappy about exploitation
- idea of sustainability in terms of future generations [candidates do not need to refer to the term sustainability itself].

Answers need to get across the idea that there is a trade-off between the two; an answer which is entirely one-sided can gain no more than 5 marks. An answer which fails to make any reference to Peru can gain no more than 6 marks. [8]

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- 2 (a) Basic economic problem:
- finite/limited resources
  - basic situation of scarcity
  - unlimited wants
  - necessity for a choice to be made.
- [2]

- (b) Possible causes:
- reduction in price of complements
  - increase in price of substitutes
  - change in income
  - change in tastes and preferences
  - effect of advertising campaign
  - climate/season.

A list-like approach can gain no more than 2 marks. [4]

- (c) Diagram:
- axes (P and Q) and curves (D and S) correctly labelled (1)
  - shift of the demand curve to the right (1)
  - rise in both equilibrium price and equilibrium quantity (1).

Explanation of what is happening in the diagram, e.g. shift in demand curve and increase in equilibrium price and output – up to 3 marks. [6]

- (d) Advantages:
- idea of invisible hand to allocate resources through price signals
  - no need for government intervention to achieve this
  - profit motive should lead to greater efficiency
  - importance of consumer sovereignty.

Disadvantages:

- there may be market failures
- some goods may be under-consumed
- some goods may be over-consumed
- problem of externalities.

A one-sided answer can gain no more than 5 marks. [8]

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**3 (a) Functions:**

- government's bank
- lender of last resort
- issuing of notes/coins
- involvement in monetary policy, e.g. determination of interest rates
- management of the national debt
- possible involvement in exchange rate determination.

A list-like approach can gain no more than 3 marks.

[6]

**(b) Explanation of three of:**

- means of exchange
- unit of account/measure of value
- store of value
- standard for deferred payment.

[6]

**(c) Reasons in favour of government support:**

- the financial system is too important to be allowed to 'go under'
- money is the 'oil' in the economic system
- continued liquidity is important for both institutions and private individuals
- without that, aggregate demand will fall
- this will have a negative effect on employment and economic growth
- collapse of financial institutions would have a terrible effect on confidence in country and its economy
- this could deter inward investment.

Reasons against government support:

- government might be supporting inefficient institutions
- the 'survival of the fittest' idea suggests that weak institutions should be allowed to collapse
- the money will need to come from somewhere – public funds
- this might lead to taxes going up
- idea of opportunity cost – the alternative areas of public expenditure that the money might have gone to.

A one-sided answer can gain no more than 5 marks.

[8]

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- 4 (a) (i) Features of a co-operative:
- owned and controlled by members
  - each member has an equal share in this: one member, one vote. [2]

- (ii) Any two of:
- producer
  - worker
  - farming
  - consumer/retail
  - banking/financial
  - insurance
  - funeral. [2]

- (b) A public limited company:
- part of the private sector
  - companies exist to make profit
  - controlled by shareholders
  - has limited liability.

A public corporation:

- part of the public sector
- may make a profit, but not necessarily the main aim
- may have objective to serve public/community interest in one way
- controlled by the state/government.

A one-sided answer can gain no more than 4 marks. [6]

- (c) For a definition of monopoly – up to 2 marks.

Advantages of monopoly:

- they make abnormal/supernormal profits
- these can be used to finance research and development
- their products should therefore be in the vanguard
- such a large firm can benefit from economies of scale
- the lower costs could lead to lower prices for consumers.

Disadvantages of monopoly:

- the large profits are a reflection of the higher prices that consumers have to pay
- firm is a price maker, not a price taker
- output will be lower than in perfect competition
- there will therefore be inefficiency
- no guarantee that the lower costs will lead to lower prices
- consumer not given choice.

A one-sided answer can gain no more than 6 marks. [10]

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- 5 (a) Progressive tax:
- these are taxes on income, e.g. Income Tax
  - they take a higher proportion of a person's income (not just a higher amount) as the income rises.

Regressive tax:

- these are taxes on spending, e.g. VAT, GST
- they take a smaller proportion of a person's income as the income rises. [4]

(b) Possible reasons:

- to finance expenditure on public goods, e.g. defence, law and order
- to finance expenditure on merit goods, e.g. education, health care
- to discourage consumption of demerit goods, e.g. tobacco, alcohol
- to discourage consumption of imports
- to support different sectors of the economy
- to reduce consumption/growth/inflation.

A list-like approach can gain no more than 3 marks.

Candidates who only give one reason can still get full marks if the answer is extremely thorough. [6]

(c) Advantages:

- taxes can be used to finance expenditure on various benefits for the less well-off
- progressive taxation is particularly useful to raise the finance as it takes an increasing proportion of income from the better-off
- taxes can be used to finance subsidies to make things cheaper
- taxes can be used to finance maximum prices
- idea of 'fairness' as a policy objective.

Disadvantages:

- the cost of the various benefits can be very large
- taxes could be too high (especially income tax)
- there is an opportunity cost here as the money used to finance benefits could have been spent on other things
- some people may decide to leave the country as a result of a high level of taxation
- the distribution of income can be so fundamentally uneven that government policies/initiatives don't really achieve very much ('tip of the iceberg').

A one-sided answer can gain no more than 6 marks. [10]

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- 6 (a) Exchange rate:**  
It is the price/value (1) at which one currency is bought and sold (1) for another currency on the foreign exchange market/it is the price of one currency (1) in terms of another currency (1).

For a specific example, e.g. £1 = \$1.4, one mark. [2]

**(b) Possible causes:**

- changes in the demand for the currency
- to pay for more exports
- changes in the supply of the currency
- to pay for more imports
- changes in the balance of trade
- changes in interest rates
- economic/political state of the country; level of confidence
- speculation
- rate of inflation in relation to other countries.

A list-like approach can gain no more than 3 marks. [6]

**(c) Current account structure:**

- the trade in goods (visible balance)
- the trade in services (invisible balance)
- income
- current transfers.

[4]

A list-like approach can gain no more than 3 marks.

A good answer on the visible and invisible balance only can be awarded 3 marks.

**(d) Yes:**

- a depreciation (or devaluation) of a currency will make exports cheaper
- and if demand is price elastic this should lead to an increase in demand
- it will also make imports dearer
- and if demand is price elastic this should lead to a reduction in demand.

No:

- price elasticity of demand may not be elastic
- the change in the currency may not have much of an effect
- any impact is likely to take a while to come into effect
- the demand for goods is dependent on many factors, not just the price of a good.

A one-sided answer can gain no more than 5 marks.

Up to 3 marks where candidates explain alternative options for solving a deficit e.g. deflation, higher taxes/import duties and higher interest rates. [8]

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**7 (a)** Net migration:

This is the difference (1) between the number of people coming into a country (immigrants) (1) and the number of people leaving a country (emigrants) (1) over a particular period of time. [3]

**(b)** Possible economic reasons:

- to gain employment
- to obtain a higher income/lower tax rates
- to improve standard of living/quality of life
- to benefit from improved education/health care facilities
- to improve skills/widen experience
- to follow firm, e.g. multi-national.

[7]

**(c)** Positive effects:

- obtaining employment
- increase in standard of living/quality of life
- economy may benefit from economic growth
- government will benefit from increased revenue.

Negative effects:

- migrants may not have the necessary skills/training and cannot obtain work
- may lead to unemployment
- may lead to inflation if demand exceeds supply
- may be a burden on resources, especially if migrants locate in particular areas, e.g. housing
- similar point in relation to education
- some of the income may be sent home to relatives; leakage from the economy
- may lead to a fall in wages if supply of labour is greater than the demand.

A maximum of 6 marks for a one-sided answer.

[10]