



GCSE Geography

8035/2 – Paper 2 – Challenges in the Human Environment

Mark scheme

8035

June 2018

Version/Stage: 1.0 Final

Mark schemes are prepared by the Lead Assessment Writer and considered, together with the relevant questions, by a panel of subject teachers. This mark scheme includes any amendments made at the standardisation events which all associates participate in and is the scheme which was used by them in this examination. The standardisation process ensures that the mark scheme covers the students' responses to questions and that every associate understands and applies it in the same correct way. As preparation for standardisation each associate analyses a number of students' scripts. Alternative answers not already covered by the mark scheme are discussed and legislated for. If, after the standardisation process, associates encounter unusual answers which have not been raised they are required to refer these to the Lead Assessment Writer.

It must be stressed that a mark scheme is a working document, in many cases further developed and expanded on the basis of students' reactions to a particular paper. Assumptions about future mark schemes on the basis of one year's document should be avoided; whilst the guiding principles of assessment remain constant, details will change, depending on the content of a particular examination paper.

Further copies of this mark scheme are available from aqa.org.uk

Point marked questions marking instructions

The mark scheme will state the correct answer or a range of possible answers, although these may not be exhaustive. It may indicate how a second mark is awarded for a second point or developed idea. It may give an indication of unacceptable answers. Each mark should be shown by placing a tick where credit is given. The number of ticks must equal the mark awarded. Do not use crosses to indicate answers that are incorrect.

Level of response marking instructions

Level of response mark schemes are broken down into levels, each of which has a descriptor. The descriptor is linked to the assessment objective(s) being addressed. The descriptor for the level shows the average performance for the level.

Before you apply the mark scheme to a student's answer read through the answer and annotate it (as instructed) to show the qualities that are being looked for. You can then apply the mark scheme. You should read the whole answer before awarding marks on levels response questions.

Step 1 Determine a level

Descriptors for the level indicate the different qualities that might be seen in the student's answer for that level. When assigning a level you should look at the overall quality of the answer and not look to pick holes in small and specific parts of the answer where the student has not performed quite as well as the rest. If the answer covers different aspects of different levels of the mark scheme you should use a best fit approach for defining the level and then use the variability of the response to help decide the mark within the level, ie if the response is predominantly Level 2 with a small amount of Level 3 material it would be placed in Level 2 but be awarded a mark near the top of the level because of the Level 3 content. For instance, in a 9 mark question with three levels of response, an answer may demonstrate thorough knowledge and understanding (AO1 and AO2) but fail to respond to command words such as assess or evaluate (AO3). The script could still access Level 2 marks. Note that the mark scheme is not progressive in the sense that students don't have to fulfil all the requirements of Level 1 in order to access Level 2.

Step 2 Determine a mark

Once you have assigned a level you need to decide on the mark. The descriptors on how to allocate marks can help with this. The exemplar materials used during standardisation will also help. There will generally be an answer in the standardising materials which will correspond with each level of the mark scheme. This answer will have been awarded a mark by the Lead Examiner. You can compare the student's answer with the example to determine if it is the same standard, better or worse than the example. You can then use this to allocate a mark for the answer based on the Lead Examiner's mark on the example.

You may well need to read back through the answer as you apply the mark scheme to clarify points and assure yourself that the level and the mark are appropriate.

Indicative content in the mark scheme is provided as a guide for examiners. It is not intended to be exhaustive and you must credit other valid points. Students do not have to cover all of the points mentioned in the indicative content to reach the highest level of the mark scheme.

An answer which contains nothing of relevance to the question must be awarded no marks.

Assessment of spelling, punctuation, grammar and use of specialist terminology (SPaG)

Accuracy of spelling, punctuation, grammar and the use of specialist terminology will be assessed via the indicated 9 mark questions. In each of these questions, three marks are allocated for SPaG as follows:

- **High performance** – 3 marks
- **Intermediate performance** – 2 marks
- **Threshold performance** – 1 mark

General guidance

- Mark schemes should be applied positively. Examiners should look for qualities to reward rather than faults to penalise. They are looking to find credit in each response they mark. Unless the mark scheme specifically states, candidates must never lose marks for incorrect answers.
- The full range of marks should be used. Examiners should always award full marks if deserved, i.e. if the answer matches the mark scheme.
- When examiners are in doubt regarding the application of the mark scheme to a candidate's response, the team leader must be consulted
- Crossed out work should be marked unless the candidate has replaced it with an alternative response.
- Do NOT add ticks to level-marked questions – use the highlight tool/brackets to signify what is relevant.
- Sometimes there are specific “triggers” in the mark scheme that enable higher level marks to be awarded. For instance, an example or case study may be required for Level 3 if it is stated within the question.
- Where a source, such as a photograph or map, is provided as a stimulus it should be used if requested in the question, but credit can often be given for inferred as well as direct use of the source.
- Always be consistent – accept the guidelines given in the mark scheme and apply them to every script
- If necessary make comments to support the level awarded and to help clarify a decision you have made
- Examiners should revisit standardise script answers as they apply the mark scheme in order to confirm that the level and the mark allocated is appropriate to the response provided.
- Mark all answers written on the examination paper.

Description of annotations

Annotation	Meaning/Use
?	Unclear
[Left square bracket
]	Right square bracket
^	Omission mark
AO1	Assessment Objective 1
AO2	Assessment Objective 2
AO3	Assessment Objective 3
L1	Level 1
L2	Level 2
L3	Level 3
DP	Developed point
DEV	Development
EG	Example / reference
EVAL	Evaluation
HLINE	Horizontal Line
JUST	Level or point just awarded
MAX	Max
Vertical Wavy Line	Not relevant
NC	Nothing Creditworthy
NAQ	Not answered the question
REP	Repeat
SEEN	Reviewed but no marks awarded
Tick	Correct point
TV	Too vague
Highlight	Highlight Box
On Page comment	On Page Comment
Off Page Comment	Off page Comment

Section A

Qu	Pt	Marking Guidance	Total marks
01	1	<p>Which term is best defined by the phrase, ‘the increasing percentage of the population living in towns and cities’?</p> <p>One mark for the correct answer B: Urbanisation AO1 = 1 mark</p>	1
01	2	<p>Complete the following paragraph to describe the changes shown in Figure 1.</p> <p>One mark for each correct word or number. The lowest increase in proportion of urban population 1950 – 2050 is expected to be in HICs. From 2020 the rate of increase is expected to slow down in NEEs. Between 2000 and 2050 lower income countries are projected to have almost doubled the percentage living in urban areas. AO4 = 3 marks</p>	3
01	3	<p>Describe the pattern of reasons for migration shown in Figure 2.</p> <p>The question focusses on the pattern shown by the pie chart, which covers both push and pull factors. Credit inference of use of Fig 2 One mark for an initial overall descriptive comment or single relevant descriptive statement e.g.</p> <ul style="list-style-type: none"> • The biggest factor is the war against terror (1) • Push factors are the most important (1) • Push factors are a bigger cause of migration than pull factors (1) • All of the pull factors relate to new opportunities (1) <p>Second mark may be a second separate point simply stated as with suggestions above or developed point for further descriptive clarity e.g.</p> <ul style="list-style-type: none"> • The single biggest factor is the war against terror (1) with this being equal in size to the combined pull factors (d)(1) • Push factors are a bigger cause of migration than pull factors (1) these almost entirely relate to fleeing conflict (d)(1) • All of the pull factors relate to new opportunities (1) combined they are equal to the single biggest push factor (d)(1) <p>No credit for listing items even if with percentage figures. AO4 = 2 marks</p>	2
01	4	<p>Using Figure 3 suggest one problem faced by people in Bangalore as a result of traffic congestion.</p> <p>Must be visible in the twitter comments and reasonably considered to present a</p>	2

		<p>challenge.</p> <p>One mark for the initial observation or statement of challenge, e.g.</p> <ul style="list-style-type: none"> • The roads are bad / poor quality (1) • There is poor / not enough public transport (1) • The traffic moves really slowly (1) <p>Second mark for developing the idea to suggest why this is a challenge, e.g.</p> <ul style="list-style-type: none"> • The roads are bad / poor quality (1); which means that people will have to drive slowly (d) (1) • There is poor / not enough public transport (1); this means that the transport will be less efficient as it is all private / personal (d) (1) • The traffic moves really slowly (1); leading to longer journeys / people being late for work (d) (1) <p>AO3 = 2 marks</p>	
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01	5	<p>Use Figure 3 and a case study of a city in a LIC or NEE to suggest why managing traffic congestion and air pollution may be challenging.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;">Level</th> <th style="width: 15%;">Marks</th> <th style="width: 70%;">Description</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">3 (Detailed)</td> <td style="text-align: center;">5–6</td> <td> <p>AO2 – Shows detailed understanding of the need for management of traffic congestion and air pollution in the context of a named LIC/NEE city.</p> <p>AO3 – Demonstrates thorough application of knowledge and understanding to offer considered analysis of the challenge faced in managing traffic congestion and air pollution.</p> </td> </tr> <tr> <td style="text-align: center;">2 (Clear)</td> <td style="text-align: center;">3–4</td> <td> <p>AO2 – Shows clear understanding of the need for management of traffic congestion and /or air pollution in the context of a named LIC/NEE city.</p> <p>AO3 – Demonstrates some application of knowledge and understanding to offer clear analysis of the challenge faced in managing traffic congestion and /or air pollution.</p> </td> </tr> <tr> <td style="text-align: center;">1 (Basic)</td> <td style="text-align: center;">1–2</td> <td> <p>AO2 – Shows limited understanding of the need for management of traffic congestion and /or air pollution in the context of a LIC/NEE city.</p> <p>AO3 – Demonstrates limited application of knowledge and understanding through basic analysis of the challenge faced in managing traffic congestion and/or air pollution.</p> </td> </tr> <tr> <td></td> <td style="text-align: center;">0</td> <td>No relevant content.</td> </tr> </tbody> </table> <ul style="list-style-type: none"> • Level 3 (detailed) responses will cover the Figure and a named city and provide a considered analysis of the challenge. 	Level	Marks	Description	3 (Detailed)	5–6	<p>AO2 – Shows detailed understanding of the need for management of traffic congestion and air pollution in the context of a named LIC/NEE city.</p> <p>AO3 – Demonstrates thorough application of knowledge and understanding to offer considered analysis of the challenge faced in managing traffic congestion and air pollution.</p>	2 (Clear)	3–4	<p>AO2 – Shows clear understanding of the need for management of traffic congestion and /or air pollution in the context of a named LIC/NEE city.</p> <p>AO3 – Demonstrates some application of knowledge and understanding to offer clear analysis of the challenge faced in managing traffic congestion and /or air pollution.</p>	1 (Basic)	1–2	<p>AO2 – Shows limited understanding of the need for management of traffic congestion and /or air pollution in the context of a LIC/NEE city.</p> <p>AO3 – Demonstrates limited application of knowledge and understanding through basic analysis of the challenge faced in managing traffic congestion and/or air pollution.</p>		0	No relevant content.	6
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		<ul style="list-style-type: none"> • Level 2 (clear) responses will show reasonable understanding of the problem(s) using the Figure and a case study or more considered analysis for just the Figure or case study. • Level 1 (basic) responses will show simple understanding of the problem(s) using the Figure and / or a named city. <p><u>Indicative content</u></p> <ul style="list-style-type: none"> • Additional place specific detail for the named city is not an essential requirement for L3 nor is balance between traffic and air pollution. • Reference to Figure 3 may be inferred even if not explicitly stated through comment on the slow speeds of travel, delayed repairs and poor quality roads, lack of public transport and the frustration of slow journeys. • The command ‘suggest why’ requires an appraisal of the scale of the task faced to provide adequate physical / infrastructural services when transport use grows so fast e.g. 40% of new cars in Nigeria are registered in Lagos, 40% growth in number of cars in Rio in the last decade. • Equally sheer population growth such as 2 million population increase Mumbai 2001-2011 means that the problem grows faster than it can be addressed. • Depending on the city chosen candidates may consider the physical difficulties of the city’s site e.g. steep mountains in Rio, the narrow peninsular site of Mumbai, the coastal lagoon of Lagos, as presenting particular challenge. • There is also the challenge of changing behaviour when residents resort to private transport as a response to lack of public provision. • Older and poorer quality vehicles with higher emissions e.g. motorcycle taxis which dominate traffic in LICs/NEEs will cause more air pollution. • Rapid industrialisation and lack of regulation will also be major contributors to air pollution. • Appraisal of the challenge may also cover ideas that historically cities in LIC/NEEs have continued to function and find a way to operate and indeed prospered e.g. 8.5% GDP growth in 2016 in Bangalore so that perhaps the problem is less serious. <p>Max top L2 if only named city or Figure 3 covered.</p> <p>Max top L2 if only traffic congestion or air pollution covered.</p> <p>Max top L2 if HIC city but comments could still apply</p> <p>AO2 = 3 marks, AO3 = 3 marks</p>	
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01	6	<p>Calculate the range in GCSE scores shown in Figure 4.</p> <p>One mark for the correct answer</p> <p>62 (369 - 307)</p> <p>AO4 = 1 mark</p>	1
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01	7	<p>Using Figure 4 and your own understanding, suggest reason(s) for inequalities in education in urban areas in the UK.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;">Level</th> <th style="width: 15%;">Marks</th> <th style="width: 70%;">Description</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">2 (Clear)</td> <td style="text-align: center;">3-4</td> <td>AO2 – Shows clear understanding of the concept of inequality in urban areas of the UK AO3 – Uses Figure 4 and offers development to interpret the links between urban areas and processes and increased inequality in education.</td> </tr> <tr> <td style="text-align: center;">1 (Basic)</td> <td style="text-align: center;">1-2</td> <td>AO2 – Shows limited understanding of the concept of inequality in urban areas of the UK. AO3 – uses Figure 4 OR own understanding to begin to interpret the links between urban areas and processes and increased inequality in education.</td> </tr> <tr> <td></td> <td style="text-align: center;">0</td> <td>No relevant content</td> </tr> </tbody> </table> <ul style="list-style-type: none"> • Level 2 (clear) responses will apply geographical understanding in combination with the Figure to present a reasoned explanation. • Level 1 (basic) responses will be simplistic or simply assert a cause / effect link. <p><u>Indicative content</u></p> <ul style="list-style-type: none"> • Answers should make use of Figure 4 which could be clear through reference to data from the Figure or more implicit through reference to city centre / inner city. Development need not be through named places but use of a case study is likely to add clarity. Development may also be found in explanation of processes of change and widening gaps in cities. • Candidates may refer to a range of processes of change and may achieve full marks through full development of one: • De-industrialisation leading to inner city decline and subsequent deprivation leading to poorer education in inner areas, e.g. Leyton / Stratford chosen as the Olympic Site as the most deprived areas in the UK. • Deprivation and change tend to be cumulative such that areas will also have lower employment levels, poorer health, lower incomes and poorer educational outcomes. 	Level	Marks	Description	2 (Clear)	3-4	AO2 – Shows clear understanding of the concept of inequality in urban areas of the UK AO3 – Uses Figure 4 and offers development to interpret the links between urban areas and processes and increased inequality in education.	1 (Basic)	1-2	AO2 – Shows limited understanding of the concept of inequality in urban areas of the UK. AO3 – uses Figure 4 OR own understanding to begin to interpret the links between urban areas and processes and increased inequality in education.		0	No relevant content	4
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		<ul style="list-style-type: none"> • Urban change has gone hand in hand with this so that those on higher incomes either create wealthy enclaves in the centre or are able to move to the outskirts; accessing better housing, employment and healthcare; leaving behind a more elderly and disadvantaged population, worsening the situation above. • Credit those who discuss inner city / suburban differences, with the requirement to use the Figure to reach level 2. • It would also be possible for candidates to argue that targeted education programmes in inner city areas e.g. City Academies have improved the situation so that GCSE scores in some central London wards for example are amongst the best in the country. <p>Max L1 for non-UK answer if the comments could still apply.</p> <p>Max L1 for general description of inequalities in urban areas.</p> <p>No credit for description of the inequalities in education in isolation as this is shown on the graph.</p> <p>AO2 = 2 marks, AO3 = 2 marks</p>	
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01	8	<p>Outline one way that national migration has led to change in the character of a named UK city.</p> <p>Credit one migration and consequent change only. One mark for a basic statement, e.g.</p> <ul style="list-style-type: none"> • Migration from elsewhere in the UK means many cities have had to build large new housing estates (1) • Birmingham is the most popular city for people leaving London so its population is growing again after recent decline. (1) <p>Two marks for a developed idea, e.g.</p> <ul style="list-style-type: none"> • Migrants create a need for more housing often built on the outskirts (1) such as Croxteth Park, Liverpool which lead to urban sprawl / loss of individual character (d) (1) • Migration may have added to an increase in underground passengers in London (1). As a result a majority of passengers now regard commuting as stressful and say it spoils the city (d) (1) <p>Max 1 mark if city not named or clearly able to be inferred.</p> <p>No credit if the migration is not national, at least implicitly, or the change does not relate to character, at least in inference.</p> <p>AO1 = 2 marks</p>	2
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01	9	To what extent has urban change created environmental challenges in a UK city you have studied?	9															
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<ul style="list-style-type: none"> • Level 3 (detailed) responses will provide a more considered assessment of the extent of challenges, supported with precise knowledge and understanding. • Level 2 (clear) responses will provide specific knowledge and understanding with implicit assessment of challenge(s) or generically accurate knowledge and understanding and a well-reasoned assessment of challenge(s). • Level 1 (basic) responses will show simple knowledge and understanding of whether or not challenge(s) result. 																		
<p><u>Indicative content</u></p> <ul style="list-style-type: none"> • The question specifies the challenges as environmental. Answers must refer to a named UK city. 																		

	<ul style="list-style-type: none"> • The command ‘to what extent’ requires some appraisal of the degree to which urban change in the UK create environmental challenges: • Decline of nineteenth century industrial areas such as Toxteth in Liverpool and Stokes Croft in Bristol has led to derelict buildings, many of which are large warehouses so that the scale of the challenge is similar. • Previous industrial areas are frequently contaminated which presents a challenge in the clean-up costs. • More modern challenges might cover the loss of habitats and space in the green belt around e.g. London due to urban sprawl. • Dealing with the amount of waste generated with an increasing population may be seen as a challenge, especially as landfill becomes less acceptable. • Another significant challenge lies in tackling air pollution e.g. London regularly exceeding EU limits for NO₂ pollution from road vehicles. • Candidates may approach part of the ‘to what extent’ through arguing that in fact urban change creates opportunities for ‘urban greening’ such as regenerating derelict areas and wasteland so the challenge is reduced. Only credit this as part of a wider answer that does address the challenge. <p>Max Level 1 if no named city or city name unable to be inferred</p> <p>Max Level 1 if named city is LIC/NEE.</p> <p>Max Level 1 for non-environmental challenges</p> <p>AO1 = 3 marks, AO2 = 3 marks, AO3 = 3 marks</p> <p>Spelling, punctuation and grammar (SPaG)</p> <p>High performance</p> <ul style="list-style-type: none"> • Learners spell and punctuate with consistent accuracy • Learners use rules of grammar with effective control of meaning overall • Learners use a wide range of specialist terms as appropriate <p>Intermediate performance</p> <ul style="list-style-type: none"> • Learners spell and punctuate with considerable accuracy • Learners use rules of grammar with general control of meaning overall • Learners use a good range of specialist terms as appropriate <p>Threshold performance</p> <ul style="list-style-type: none"> • Learners spell and punctuate with reasonable accuracy • Learners use rules of grammar with some control of meaning and any errors do not significantly hinder meaning overall • Learners use a limited range of specialist terms as appropriate <p>No marks awarded</p> <ul style="list-style-type: none"> • The learner writes nothing • The learner’s response does not relate to the question <p>The learner’s achievement in SPaG does not reach the threshold performance</p>	<p style="text-align: right;">3</p> <p style="text-align: right;">2</p> <p style="text-align: right;">1</p> <p style="text-align: right;">0</p>
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		level, for example errors in spelling, punctuation and grammar severely hinder meaning.	
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Section B

Qu	Pt	Marking Guidance	Total marks
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02	1	<p>Calculate the median value for the GNI data in Figure 5.</p> <p>Award 2 marks if answer correct even if no working. Allow one mark if evidence of attempting to work out correctly e.g. ranking of Figures on the table but answer subsequently wrong. Dollar sign not necessary. Median = 11 960 AO4 = 2 marks</p>	2
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02	2	<p>Suggest one reason why the GNI per person varies between the countries shown in Figure 5.</p> <p>Credit any reasonable suggestion. Candidates should make reference to Figure 5 through using country name(s) and / or data provided, e.g. Some of the countries are poor e.g. Kenya (1) Haiti has a lower GNI than most other countries because it has a poorly developed economy (1) European countries have the highest GNI scores because they have economies based around high value services (1) The GNI scores in the middle of the range are in NEEs as their economies have developed to create higher value. (1)</p> <p>AO3 = 1 mark</p>	1
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02	3	<p>Give one disadvantage of using an economic measure of development such as GNI.</p> <p>Credit one reason only, there is no requirement to use the Figure. They should show an awareness of how economic measures, especially simplistic measures such as GNI, can be misleading e.g.</p> <ul style="list-style-type: none"> • Economic measures do not take any account of people's quality of life which is important in social terms (1) • Economic measures tend to be per person / are an average figure so do not allow for extremes of wealth and poverty (1) • Many economic measures are in US\$ so do not allow for the relative spending power of different currencies (1) <p>No credit for general answers regarding the unreliability of single measures other than economic. AO2 = 1 mark</p>	1
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02	4	<p>Using Figure 6 and your own understanding, suggest how the growth of tourism in a LIC or NEE might help to reduce the development gap.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">Level</th> <th style="text-align: center;">Marks</th> <th style="text-align: center;">Description</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">2 (Clear)</td> <td style="text-align: center;">3–4</td> <td>AO2 – Shows clear understanding of the process of development. AO3 – Uses Figure 6 effectively and offers clear development to clearly evaluate the link between tourism and reducing the development gap.</td> </tr> <tr> <td style="text-align: center;">1 (Basic)</td> <td style="text-align: center;">1–2</td> <td>AO2 – Shows limited understanding of the process of development. AO3 – use Figure 6 and / OR own knowledge to begin to simply evaluate the link between tourism and reducing the development gap.</td> </tr> <tr> <td></td> <td style="text-align: center;">0</td> <td>No relevant content.</td> </tr> </tbody> </table> <ul style="list-style-type: none"> • Level 2 (clear) responses will provide reasoning that connects the processes of tourism growth and reduction of the development gap. • Level 1 (basic) responses will provide basic reasons or merely assert the connections between tourism and wider development. <p><u>Indicative content</u></p> <ul style="list-style-type: none"> • Answers should make use of Figure 6 which shows a process of change and the multiplier effect linked to tourist industry growth. Use of Figure 6 need only be slight such as a term that is used in the figure to fulfil the question requirement. • Answers might draw straightforward connections such that the link between the two are clear. • The question does not require an example but candidates may provide one or even base their answer around one. • Tourism makes use of a valuable primary resource in the form of landscape and environment including wildlife so that LIC/NEEs can improve their GDP when they have few other resources to exploit. • Servicing this tourism both directly and indirectly will create employment e.g. 600 000 in Kenya and subsequent tax revenue which can fund infrastructure. • Infrastructural improvements may directly improve economic measures of development to improve the country's relative position through trade and thus close the development gap • Other infrastructure may be in education or health care which will improve social measures of development e.g. a rise in HDI or literacy scores. <p>No credit for description of either the diagram shown or economic development in isolation. AO2 = 2 marks, AO3 = 2 marks</p>	Level	Marks	Description	2 (Clear)	3–4	AO2 – Shows clear understanding of the process of development. AO3 – Uses Figure 6 effectively and offers clear development to clearly evaluate the link between tourism and reducing the development gap.	1 (Basic)	1–2	AO2 – Shows limited understanding of the process of development. AO3 – use Figure 6 and / OR own knowledge to begin to simply evaluate the link between tourism and reducing the development gap.		0	No relevant content.	4
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02	5	<p>State two challenges faced by the people living in the area described in Figure 7.</p> <p>One mark for each correct identification. Lack of transport; transport is expensive and slow; limited health care; 22 500 people per clinic; having to travel vast distances to see a nurse or doctor; 1 in 6 women die in childbirth. AO4 = 2 marks</p>	2
02	6	<p>State one characteristic of intermediate technology.</p> <p>Candidates need not make reference to Figure 7 though to do so would be a valid approach provided answers move beyond it or adapt it in some way. Candidates should show an awareness of how intermediate technology can be appropriate for poorer countries e.g.</p> <ul style="list-style-type: none"> • The tools / systems are simple and affordable (1) • By providing simple machines / tools people can develop businesses and earn money (1) • It involves local communities so is 'bottom up' development (1) <p>Credit negative comments clarifying the difference between intermediate and other technology e.g. It is not expensive/complicated</p> <p>No credit for repetition of Figure 7 only.</p> <p>AO1 = 1 mark</p>	1
02	7	<p>Outline one way in which international aid has had an impact on a named LIC or NEE country.</p> <p>Credit one impact only. Credit aid only. Candidates should clarify the link between aid and its resultant impact. The country should be named. Much will depend on the country selected and may involve funding schools, improving farming methods, funding major infrastructure. Credit negative answers which might draw a link between aid and dependency or which illustrate the ease with which aid can fall into corrupt hands.</p> <p>One mark for a basic statement or one which does not name a country, e.g.</p> <ul style="list-style-type: none"> • Countries benefit from funding of projects (1) • Aid can be targeted specifically on development projects such as providing clean water (1) <p>Two marks for a developed idea which relates to the named country, e.g.</p> <ul style="list-style-type: none"> • Aid can fund major infrastructure projects (1) such as the Inga 3 Dam in the Democratic Republic of the Congo (d)(1) • The UK has given £350million to Pakistan (1) which has been spent to improve education facilities (d)(1) <p>Max 1 mark if country named is not LIC/NEE but comment still valid.</p>	2

		AO1 = 2 marks	
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02	8	<p>Using a case study of a LIC or NEE country, explain the link between Transnational Corporations (TNCs) and industrial development in the country.</p> <table border="1"> <thead> <tr> <th>Level</th> <th>Marks</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>3 (Detailed)</td> <td>5–6</td> <td>AO1 – Demonstrates detailed knowledge of TNC operation in a named LIC/NEE. AO2 – Shows thorough understanding of the links between TNCs and industrial development in the context of a named LIC/NEE.</td> </tr> <tr> <td>2 (Clear)</td> <td>3–4</td> <td>AO1 – Demonstrates clear knowledge of TNC operation in a named LIC/NEE. AO2 – Shows clear understanding of the links between TNCs and industrial development in the context of a named LIC/NEE.</td> </tr> <tr> <td>1 (Basic)</td> <td>1–2</td> <td>AO1 – Demonstrates limited knowledge of industry in a LIC/NEE. AO2 – Shows limited understanding of the links between TNCs and industrial development. in the context of a LIC/NEE.</td> </tr> <tr> <td></td> <td>0</td> <td>No relevant content.</td> </tr> </tbody> </table> <ul style="list-style-type: none"> • Level 3 (detailed) responses will provide specific detail of a named country and link TNCs and industrial development well. • Level 2 (clear) responses will either provide specific detail of a named country with implicit links or a named country with generic detail and developed links. • Level 1 (basic) responses will give basic link(s) between industrial development and TNC(s) or merely assert the connection. <p><u>Indicative content</u></p> <ul style="list-style-type: none"> • Answers should explain how economic growth and development are stimulated by the investment of (a) TNC(s). • Figures are included for reference for this case study. • TNCs creates employment e.g. many (65 000) direct jobs for Shell in the Niger Delta, so that the employees pay taxes, which the government can then invest in other services such as education, which will promote economic development as more educated people are more qualified for better paid work. • Paid employment also means a greater number of people with money to spend and therefore the domestic market grows, creating a consumer society which will stimulate industrial growth in other sectors 	Level	Marks	Description	3 (Detailed)	5–6	AO1 – Demonstrates detailed knowledge of TNC operation in a named LIC/NEE. AO2 – Shows thorough understanding of the links between TNCs and industrial development in the context of a named LIC/NEE.	2 (Clear)	3–4	AO1 – Demonstrates clear knowledge of TNC operation in a named LIC/NEE. AO2 – Shows clear understanding of the links between TNCs and industrial development in the context of a named LIC/NEE.	1 (Basic)	1–2	AO1 – Demonstrates limited knowledge of industry in a LIC/NEE. AO2 – Shows limited understanding of the links between TNCs and industrial development. in the context of a LIC/NEE.		0	No relevant content.	6
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		<p>to supply those needs.</p> <ul style="list-style-type: none"> • TNCs can be obliged to use companies from the host country as part of their operating conditions e.g. most (91%) of Shell’s contracts given to Nigerian companies. • There is also a multiplier effect as industries stimulate growth in a supply chain of connected industries, e.g. many (250 000) oil related jobs in Nigeria such as parts for wells or pipeline. • As industries grow they will attract foreign companies, often other TNCs, who will build further industries and infrastructure through Foreign Direct Investment (FDI), thus stimulating further growth. • Accept negative impacts on industrial development. <p>Max top L1 if no named country or named country not LIC/NEE.</p> <p>AO1 = 3 marks, AO2 = 3 marks</p>	
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02	9	<p>Using Figure 8, calculate the mean planned spending per person per year 2016–2021 in the nine English regions.</p> <p>Award 2 marks if answer correct even if no working. Allow one mark if evidence of attempting to work out correctly e.g. adding of Figures on the table and division by nine if answer subsequently wrong.</p> <p>£484.78 / £484.8 allow £485</p> <p>AO4 = 2 marks</p>	2
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02	10	<p>Assess the importance of transport improvements to the UK economy.</p> <table border="1"> <thead> <tr> <th>Level</th> <th>Marks</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>3 (Detailed)</td> <td>7–9</td> <td>AO1 – Demonstrates detailed knowledge of transport improvements. AO2 – Shows a thorough understanding of how transport improvements operate to bring about economic change. AO3 – Demonstrates thorough application of knowledge and understanding in judging the likely impact of one or more improvements(s) upon the UK’s economy</td> </tr> <tr> <td>2 (Clear)</td> <td>4–6</td> <td>AO1 – Demonstrates reasonable knowledge of transport improvements. AO2 – Shows clear understanding of how transport improvements operate to bring about economic change. AO3 – Demonstrates reasonable application of knowledge and understanding in judging the likely impact of one or more improvements(s) upon the UK’s economy</td> </tr> <tr> <td>1</td> <td>1–3</td> <td>AO1 – Demonstrates limited knowledge of transport</td> </tr> </tbody> </table>	Level	Marks	Description	3 (Detailed)	7–9	AO1 – Demonstrates detailed knowledge of transport improvements. AO2 – Shows a thorough understanding of how transport improvements operate to bring about economic change. AO3 – Demonstrates thorough application of knowledge and understanding in judging the likely impact of one or more improvements(s) upon the UK’s economy	2 (Clear)	4–6	AO1 – Demonstrates reasonable knowledge of transport improvements. AO2 – Shows clear understanding of how transport improvements operate to bring about economic change. AO3 – Demonstrates reasonable application of knowledge and understanding in judging the likely impact of one or more improvements(s) upon the UK’s economy	1	1–3	AO1 – Demonstrates limited knowledge of transport	9
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- Level 3 (detailed) responses will provide specific detail of one or more named improvements with well-reasoned connections between improvement(s) and the UK's economy
- Level 2 (clear) responses will either provide specific detail of one or more named improvements with implicit links to the UK's economy or well-reasoned projections for (a) generic improvement(s).
- Level 1 (basic) responses will give basic link(s) between (an) improvement(s) and the UK's economy or merely assert a connection between the two.

Indicative content

- Candidates are likely to have studied a range of improvements either in isolation or in the context of redressing regional differences.
- Candidates could make reference to the data which is clearly illustrative of an imbalance in spending, notably much higher in London but also elsewhere with the North West receiving 3x as much per head as the North East.
- Possible examples may be Heathrow / Gatwick expansion; HS2; Crossrail; 'Smart' motorways / toll roads; increasing port capacity such as the Thames Gateway.
- Developments might be actual as above or planned / proposed such as Trans-Pennine Express upgrading.
- Credit should be given for any reasonable argument from the very positive effects to those that suggest any move towards a 'more balanced economy' will be unsuccessful whilst the spending divide persists.
- Answers should suggest the likely success of one or more schemes to improve the UK economy. They could also make use of the data for example to illustrate the need for developments, particularly in the case for 're-balancing' or to show spending in 'growth hubs' which will then have a trickle-down effect either nationally or in their region.
- Comments on ports may suggest that expanded / developed facilities will improve our ability to trade with other parts of the world, particularly or possibly post – Brexit and therefore boost our export earnings.
- Likewise increased airport capacity will allow expansion of, in Heathrow's case, one of the world's busiest airports so to allow London to maintain its position as one of the world's leading financial centres.

		<p>Candidates may also argue this will have little effect on the UK as a whole and will worsen the regional differences the policy is supposed to reduce.</p> <ul style="list-style-type: none"> • HS2 is intended to encourage growth in the Midlands by reducing journey time between London and Birmingham. <p>No credit for mere description of the spending pattern in Figure 8. AO1 = 3 marks, AO2 = 3 marks, AO3 = 3 marks</p>	
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Section C

Qu	Pt	Marking Guidance	Total marks
03	1	<p>What is the difference between Africa and North America's share of world oil consumption shown in Figure 9?</p> <p>One mark for correct calculation. 20% / 6 times greater / 500% more Percentage sign not necessary</p> <p>AO4 = 1 mark</p>	1
03	2	<p>Using Figure 9 and your own understanding, suggest how inequalities in the consumption of resources influence well-being.</p> <p>Candidates should make reference to Figure 9 through using continent / continental area name(s) and / or data provided. They should show that they can apply knowledge and understanding in analysing the pattern shown by the map. Expect recognition of a global pattern of higher consumption in wealthier regions / emerging economies, lower in poorer regions. The connection should be made with oil consumption as an indicator of wealth and therefore an ability to secure the goods and services that allow well-being. Credit reference to economic and / or social well-being.</p> <p>Figure 9 shows that Asia Pacific has the largest single share of the world oil consumption. (1) Countries in this region can use this oil to develop rapidly and improve incomes through employment (1) so people are likely to have improved well-being as they can access more goods and services with this wealth (1)</p> <p>Africa has the lowest share of world oil consumption at 4%. (1) This links to for example Sub-Saharan Africa which has low levels of well-being measured through indicators such as HDI (1).</p> <p>Richer countries will have the means to purchase oil and therefore energy for personal use and industrial development (1) and this will increase the well-being of the population as they will have a good standard of living as a result (1) as visible in the North American share at 24% when that is just USA and Canada (1).</p> <p>Max 1 mark if no reference to Figure 9.</p> <p>Reserve 3rd mark (AO4) for clear and explicit reference to the map in Figure 9.</p> <p>AO3 = 2 marks, AO4 = 1 mark</p>	3

03	3	<p>Outline one advantage of the trend towards agribusiness in the UK.</p> <p>Credit one advantage only. Candidates should clarify how the change in scale and intensity of production that characterise agribusiness have created opportunities, which may be for a wide range of people, or the UK as a whole. One mark for a basic statement, e.g.</p> <ul style="list-style-type: none"> • Farmers can make more profit. (1) • ‘Farm to fork’ integration allows producers / supermarkets to maximise profits. (1) • Food is cheaper. (1) • Reduces imports (1) <p>Two marks for a developed idea, e.g.</p> <ul style="list-style-type: none"> • Large farms have taken over small ones (1) so they can reduce costs in using machinery across a wider area and increase profits. (d)(1) • Supermarkets and large growing organisations such as Produce World have prospered (1) as they control every stage from growing to final sale (d)(1) and don’t lose money to any middle-men. (d)(1) • Reduced costs of production mean prices can be kept lower (1) so food prices are lower in real terms than 30 years ago (d) (1) / so the shopper benefits. (d)(1) <p>No credit for disadvantages.</p> <p>AO2 = 2 marks</p>	2
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03	4	Using Figure 10 and your own understanding discuss the issues arising from the UK's changing energy mix.	6															
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<ul style="list-style-type: none"> • Level 3 (detailed) responses will provide a more reasoned interpretation of the relevant issues, supported with thorough understanding. • Level 2 (clear) responses will give a partially reasoned interpretation of the relevant issue(s) supported with reasonable understanding • Level 1 (basic) responses will show basic interpretation and simple understanding of whether or not issues arise. 																		
<p><u>Indicative content</u></p> <ul style="list-style-type: none"> • Figure 10 shows a clear shift from fossil fuels, particularly coal, to renewables in a 10 year period. • Candidates should be making some assessment of how this shift will present issues for the UK. • Figure 10 should be used by reference to Figures given or description that is accurate enough to infer use of the resource rather than learned knowledge. • Candidates should also be bringing their own understanding to the answer through discussion, which may be in terms of opportunities and challenges (shown below), or in assessment of the relative scale of either positive or negative issues alone. 																		

		<ul style="list-style-type: none"> • Credit any reasonable issues that result for example: • Opportunities: new industries in renewables; increased employment in some areas as a result e.g. Humber estuary; reduced air pollution and thereby climate change risk. • Challenges: unemployment in coal mining areas; greater risk of waste with increased use of nuclear; meeting demand surges with renewable energy such as wind, which cannot easily be stored. <p>AO2 = 3 marks, AO3 = 3 marks</p>	
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Qu	Pt	Marking Guidance	Total marks
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04	1	<p>Name one country where less than 5% of the population were undernourished.</p> <p>One mark for any correctly named country: Brunei, Japan, Malaysia, South Korea. AO4 = 1 mark</p>	1
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04	2	<p>How many of the Asian countries shown in Figure 11 had 15–24.9% of their population undernourished?</p> <p>C: 8 (1 mark)</p> <p>What percentage of the 24 countries in Asia for which data is shown had 15–24.9% of their population undernourished?</p> <p>33.3% (1 mark)</p> <p>Percentage sign not required. Answer must be to one decimal place.</p> <p>If the candidate has made a mistake in the first part then allow the corresponding answer to the second part of the question:</p> <p>A – 25.0%, B – 29.2%, D – 37.5%</p> <p>AO4 = 2 marks</p>	2
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04	3	<p>Describe the distribution of countries which had 15–24.9% of their population undernourished as shown in Figure 11.</p> <p>Answers should make use of Figure 11 through naming countries and affected areas in order to describe the pattern and should be focussed on the 15-24.9% category.</p> <p>One mark for a basic statement, e.g.</p> <ul style="list-style-type: none"> • The biggest area is South Asia. (1) • All bar three of the countries are neighbours. (1) • The largest group of countries is south of China. (1) <p>Second mark may be a second separate point <u>or</u> developed point for further</p>	2
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		<p>descriptive clarity, e.g.</p> <ul style="list-style-type: none"> • The biggest area is South Asia (1) with a clear group to the south of China of 4 of the 7 countries (d) (1) • Almost all of the countries are neighbours (1) with just two isolated examples, one to the south east of India and the other on China's northern border (d) (1) • There is a group to the south of China (1) with isolated countries to the north of China and one other in SE Asia (d) (1) <p>No credit for description of any categories other than 15-24.9%.</p> <p>No credit for a list of named countries even if correct</p> <p>No credit for explanation.</p> <p>AO4 = 2 marks</p>	
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04	4	<p>Outline one reason why some countries have a limited food supply.</p> <p>Answers should be focused on explanation of problems with food supply in general. There is no requirement to use Figure 11 but candidates may do so to aid their explanation. The specification lists: climate, technology, pests and disease, water stress, conflict and poverty as contributing factors but any reasonable explanation should be credited.</p> <p>One mark for a basic statement e.g.</p> <ul style="list-style-type: none"> • Some countries are poor. (1) • When there is conflict / war.(1) • Dependence on staple crops. (1) <p>Two marks for a developed idea e.g.</p> <ul style="list-style-type: none"> • Some countries are poor (1) so they are unable to buy food (d) (1) if the prices rise on world markets. (d) (1) • When there is conflict / war (1) food supplies can't get through. (d) (1) • Dependence on staple crops (1) means that people may be fed but the supply is still poor as people suffer malnutrition. (d) (1) <p>AO2 = 2 marks</p>	2
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04	5	<p>Explain how different strategies can be used to make food supplies more sustainable.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">Level</th> <th style="text-align: center;">Marks</th> <th style="text-align: center;">Description</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">3 (Detailed)</td> <td style="text-align: center;">5–6</td> <td>AO1 – Demonstrates detailed knowledge of ways to sustainably improve food supply. AO2 – Shows thorough understanding of the concept of sustainability in relation to improving food supply.</td> </tr> <tr> <td style="text-align: center;">2 (Clear)</td> <td style="text-align: center;">3–4</td> <td>AO1 – Demonstrates accurate knowledge of ways to sustainably improve food supply. AO2 – Shows clear understanding of the concept of sustainability in relation to improving food supply.</td> </tr> <tr> <td style="text-align: center;">1 (Basic)</td> <td style="text-align: center;">1–2</td> <td>AO1 – Demonstrates limited and / or generalised knowledge of way(s) to sustainably improve food supply. AO2 – Shows limited understanding of the concept of sustainability in relation to improving food supply.</td> </tr> <tr> <td></td> <td style="text-align: center;">0</td> <td>No relevant content.</td> </tr> </tbody> </table> <ul style="list-style-type: none"> • Level 3 (detailed) responses will cover more than one strategy with at least one in detail and make strong connection between the strategy and sustainability of food supplies. • Level 2 (clear) responses will cover at least one strategy clearly and make reasonable connection between the strategy and sustainability of food supplies. • Level 1 (basic) responses will cover one or more strategy(ies) in simple terms with basic connection between the strategy and sustainability of food supplies, or merely assert the connection. <p><u>Indicative content</u></p> <ul style="list-style-type: none"> • An understanding of sustainability should be seen in the answer (defined as meeting the needs of the present generation without compromising the ability of future generations to meet their needs) and also of food supply (defined as the physical availability of enough safe and nutritious food to meet health needs). • The question does not specify scale or geographical location so any valid approach is acceptable. • The specification lists: organic farming, permaculture, urban farming initiatives, fish and meat from sustainable sources, seasonal food consumption, reduced waste and losses as strategies, therefore the answer will much depend on the content selected. • An example may be used to support the answer. • Candidates should then utilise this information to show how the approach is likely to be sustainable in the long term. 	Level	Marks	Description	3 (Detailed)	5–6	AO1 – Demonstrates detailed knowledge of ways to sustainably improve food supply. AO2 – Shows thorough understanding of the concept of sustainability in relation to improving food supply.	2 (Clear)	3–4	AO1 – Demonstrates accurate knowledge of ways to sustainably improve food supply. AO2 – Shows clear understanding of the concept of sustainability in relation to improving food supply.	1 (Basic)	1–2	AO1 – Demonstrates limited and / or generalised knowledge of way(s) to sustainably improve food supply. AO2 – Shows limited understanding of the concept of sustainability in relation to improving food supply.		0	No relevant content.	6
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		Max L1 for large scale or unsustainable strategies AO1 = 3 marks, AO2 = 3 marks	
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Qu	Pt	Marking Guidance	Total marks
05	1	<p>Name one country with a 91–100% access to basic drinking water services.</p> <p>One mark for any correctly named country: Algeria, Egypt, Libya, Tunisia.</p> <p>AO4 = 1 mark</p>	1
05	2	<p>How many of the African countries shown in Figure 12 had less than 50% access to basic drinking water services?</p> <p>C: 10 (1 mark)</p> <p>What percentage of the 48 countries in Africa for which data is shown had less than 50% access to basic drinking water services? 20.8% (1 mark)</p> <p>Percentage sign not required. Answer must be to one decimal place.</p> <p>If the candidate has made a mistake in the first part then allow the corresponding answer to the second part of the question: A – 16.7%, B – 18.8%, D – 22.9%</p> <p>AO4 = 2 marks</p>	2
05	3	<p>Describe the distribution of countries which had 76–90% access to basic drinking water services as shown in Figure 12.</p> <p>Answers should make use of Figure 12 through naming countries and affected areas in order to describe the pattern and should be focussed on the 76-90% category.</p> <p>One mark for a basic statement, e.g.</p> <ul style="list-style-type: none"> • Nearly all on the coast (1) • The biggest area is Southern Africa. (1) • Apart from one group of 3 they are all isolated. (1) • 4 out of the 8 are in Western Africa. (1) <p>Second mark may be a second separate point or developed point for further descriptive clarity, e.g.</p> <ul style="list-style-type: none"> • Nearly all on the coast (1) except Botswana (d) (1) • The biggest area is Southern Africa (1) with the 3 largest countries in the category all next to each other (d) (1) • Apart from one group of 3 they are all isolated (1) and quite evenly spaced along the central and western coastline (d) (1) • 4 out of the 8 are in Western Africa (1) with the other 3 all grouped 	2

		<p>together on the southern tip of Africa (d) (1)</p> <p>No credit for description of any categories other than 76-90%. No credit for explanation. AO4 = 2 marks</p>	
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05	4	<p>Outline one reason why some countries have a limited availability of water.</p> <p>Answers should be focussed on explanation of limits to water availability in general. There is no requirement to use Figure 12 but candidates may do so to aid their explanation. The specification lists: climate, geology, pollution of supply, over-abstraction, limited infrastructure and poverty as contributing factors but any reasonable explanation should be credited. Note that hot deserts are optional so do not expect or over-reward specific knowledge such as the descending Hadley Cell. One mark for a basic statement e.g.</p> <ul style="list-style-type: none"> • Some countries have- limited rainfall. (1) • Poor countries may not be able to store water for later use. (1) • Poor countries may have economic water scarcity. (1) <p>Two marks for a developed idea e.g.</p> <ul style="list-style-type: none"> • Some countries are located in dry regions (1) with limited rainfall (d) (1) which means that even slight reductions will reduce availability further. (d) (1) • Poor countries may not be able to store water for later use (1) so they are unable to make the most of water available during wet seasons which would increase availability. (d) (1) • Poor countries may have economic water scarcity (1) so that water is unavailable simply because people cannot afford to buy it. (d) (1) <p>AO2 = 2 marks</p>	2
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05	5	<p>Explain how different strategies can be used to make water supplies more sustainable.</p> <table border="1" style="width: 100%;"> <thead> <tr> <th>Level</th> <th>Marks</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>3 (Detailed)</td> <td>5–6</td> <td>AO1 – Demonstrates detailed knowledge of ways to sustainably improve water supply. AO2 – Shows thorough understanding of the concept of sustainability in relation to improving water supply.</td> </tr> <tr> <td>2 (Clear)</td> <td>3–4</td> <td>AO1 – Demonstrates accurate knowledge of ways to sustainably improve water supply. AO2 – Shows sound understanding of the concept of sustainability in relation to improving water supply.</td> </tr> </tbody> </table>	Level	Marks	Description	3 (Detailed)	5–6	AO1 – Demonstrates detailed knowledge of ways to sustainably improve water supply. AO2 – Shows thorough understanding of the concept of sustainability in relation to improving water supply.	2 (Clear)	3–4	AO1 – Demonstrates accurate knowledge of ways to sustainably improve water supply. AO2 – Shows sound understanding of the concept of sustainability in relation to improving water supply.	6
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	0	No relevant content.

- Level 3 (detailed) responses will cover more than one strategy with at least one in detail and make strong connection between the strategy and sustainability of water supplies.
- Level 2 (clear) responses will cover at least one strategy clearly and make reasonable connection between the strategy and sustainability of water supplies.
- Level 1 (basic) responses will cover one or more strategy(ies) in simple terms with basic connection between the strategy and sustainability of water supplies, or merely assert the connection.

Indicative content

- An understanding of sustainability should be seen in the answer (defined as meeting the needs of the present generation without compromising the ability of future generations to meet their needs) and also of water supply (defined as physical availability of safe water to meet their health needs).
- The question does not specify scale or geographical location so any valid approach is acceptable.
- The specification lists: water conservation, groundwater management, recycling, and grey water, therefore the answer will much depend on the content selected.
- An example may be used to support the answer.
- Candidates should then utilise this information to show how the approach is likely to be sustainable in the long term.

Max L1 for large scale or unsustainable strategies
 Max L2 for explanation of conservation methods only

AO1 = 3 marks, AO2 = 3 marks

Qu	Pt	Marking Guidance	Total marks
06	1	<p>Name one country which had less than 10.0% of energy consumption from renewable sources.</p> <p>One mark for any correctly named country: Belarus, Belgium, Cyprus, Ireland, Luxembourg, Netherlands, Ukraine, United Kingdom AO4 = 1 mark</p>	1
06	2	<p>How many of the European countries shown in Figure 13 had 35.0–49.9% of energy consumption from renewable sources?</p> <p>C: 7 (1 mark)</p> <p>What percentage of the 41 countries in Europe for which data is shown had 35.0–49.9% consumption of energy from renewable sources?</p> <p>17.1% (1 mark)</p> <p>Percentage sign not required. Answer must be to one decimal place.</p> <p>If the candidate has made a mistake in the first part then allow the corresponding answer to the second part of the question: A – 12.2%, B – 14.6%, D – 19.5%</p> <p>AO4 = 2 marks</p>	2
06	3	<p>Describe the distribution of countries which had 20.0–34.9% consumption of energy from renewable sources shown in Figure 13.</p> <p>Answers should make use of Figure 13 through naming countries and areas in order to describe the pattern and should be focussed on the 20.00-34.99% category.</p> <p>One mark for a basic statement, e.g.</p> <ul style="list-style-type: none"> • There is a group of these countries towards south-eastern Europe. (1) • There is a belt of countries in this category running east from Italy's NW border. (1) • 5 of the relevant countries e.g. Portugal and Denmark are not next to another in the same category. (1) <p>Second mark may be second separate point or developed point for further descriptive clarity, e.g.</p> <ul style="list-style-type: none"> • A number of the countries are towards south-eastern Europe (1) with another 5 on the western, northern and north-eastern edges of mainland Europe. (1) • There is a belt of countries in this category running east from Italy's NW border (1) this begins with Slovenia and runs east to Romania. (d) (1) • 5 of the relevant countries e.g. Portugal and Denmark are not next to another in the same category (1) and there is also a Slovenia, Croatia, 	2

		<p>Serbia, Romania ‘axis’ in the south east. (d) (1)</p> <p>No credit for description of any categories other than 20.00-34.99%.</p> <p>No credit for explanation.</p> <p>AO4 = 2 marks</p>	
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06	4	<p>Outline one reason why some countries have a limited energy supply.</p> <p>Answers should be focussed on explanation of limited energy supply in general. There is no requirement to use Figure 13 but candidates may do so to aid their explanation. The specification lists: physical factors, cost of exploitation and production, technology and political factors as contributing factors but any reasonable explanation should be credited.</p> <p>One mark for a basic statement e.g.</p> <ul style="list-style-type: none"> • Some countries have low incomes. (1) • They lack supplies of fossil / other fuels. (1) • Some countries have no control over the energy companies. (1) <p>Two marks for a developed idea e.g.</p> <ul style="list-style-type: none"> • Some countries have low incomes. (1) so they are unable to buy energy no matter how low the price. (d) (1) • They lack supplies of fossil / other fuels (1) which means that they are dependent on other countries for their energy supply. (d) (1) • Some countries have no control over the energy companies. (1) so even if the supply globally is good they cannot say how it is distributed. (d) (1) <p>AO2 = 2 marks</p>	2
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06	5	Explain how different strategies can be used to make energy supplies more sustainable.	6															
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