

GCSE

Edexcel GCSE

Geography A (1312)

Paper 4H

Summer 2005

advancing learning, changing lives

Mark Scheme (Results)

Mark Scheme 2005 4H

Question 1

- ai. Point mark
Information for examiners

An explanation is required for each mark.
Four different reasons will be required for full marks, or well developed points to 2.
This is a general question about cliff recession. The diagram does not have to be used.

There is only a narrow beach so the power of the waves will not be absorbed. (1)
Bedding planes/joints are aligned to the sea so water can easily enter the cliff. (1)
Sand and clay erode easily because they are soft. (1)
There are no coastal defences protecting the cliff. (1)
Only one mark for explanations on coastal defence.

4 marks

- ii. Point mark
Information for examiners

Management Techniques that do not require outside materials.(1)
Building is not involved (1)
Examples alone eg managed retreat are not acceptable
Be generous here. Clear answers will not be common.

1 mark

- iii. Two points at 1 mark each
Information for examiners

cheap, looks natural, provides a beach for tourists, sustainable, absorbs wave energy.

2 marks

- iv. Point mark
Information for examiners

1.Sea wall, recurved, stepped
2.unattractive, difficult to access beach, dangerous if played on.
Allow 2 marks for any disadvantage if point is sufficiently developed.
Eg difficult to access beach therefore would not be good for tourists with young children
Has to have two or more disadvantages for max.

1 mark

3 marks

bi. Point mark
Information for examiners
 On the river anywhere between the two dots. 1 mark

ii. Point mark
Information for examiners
 4 (Mozambique, South Africa, Zimbabwe, Botswana) 1 mark

iii. Point mark
Information for examiners
 Weak / incomplete lifts eg cattle die max. 2.
 Look for exact lifts from the map e.g. 80 000 homeless in Zimbabwe (1)
 Main road is flooded (1); shops and homes looted (1)
 Credit development of a point to 2; could be an explanation e.g. 30 000
 cattle die(1) because of this the farmers would lose their livelihood (1)
 4 marks

iv. Levels mark
Information for examiners
 See appendix A for case study information.

Level 3 5 marks	One specific factor has to be explained along with a number of other specific factors.
Level 2 4-3 marks	Specific detail of a case study relating to a cause of flooding must be included to reach this level. For top of level either two specific factors or greater depth and detail if only one factor caused the flood.
Level 1 2-1 marks	Factors of river flooding with no case study material

5 marks

c. Levels mark
Information for examiners
 Be generous towards the broads case study includes some tourism
 See appendix A for case study information.

Level 3 8-7 marks	All three parts of the question - causes, effects, management in a case study framework. For top of level geographical terminology is used appropriately. Candidates are expected to spell, punctuate and use the rules of grammar with accuracy.
Level 2 6-4	Specific detail of a case study must be included to reach level 2. Both parts of the question to be answered with specific case study material for the top. For top there is use of geographical terminology. Candidates are expected to spell, punctuate and use the rules of grammar with some accuracy.
Level 1 3-1	Descriptive comments only about how farming damaged the environment or the management initiatives which have been introduced.

8 marks

Question 2

ai. Point mark

Information for examiners

Clearly marked on the intersection of the two lines. Complete accuracy required. 1 mark

ii. Point mark

Information for examiners

400 kms. Km is essential 1 mark

iii. Point mark

Information for examiners

Weak / incomplete lifts eg people died and trees destroyed to a max. 2.
Look for exact lifts from the map e.g. 10 000 trees destroyed (1)
Credit development of a point to 2; could be an explanation e.g.
7,000 flights cancelled (1) therefore people couldn't go on holiday (1)
4 marks

iv. Point mark

Information for examiners

Requires answers relevant to MEDCs e.g. insurance, money to rebuild, government help. Allow climatic reasons, jobs, friends and family.
Three points will probably be given, although allow 2 marks for extended points. 3 marks

bi Point mark

Information for examiners

Descriptions can be general or more specific
The plate boundary concept max. 2
General
On/close to plate boundaries
More on the west of the Pacific rather than the east.
Many around the Pacific
Specific
Only one in the middle of a plate
4 volcanoes in S. America
Allow negatives e.g. none in Australia. 3 marks

ii. Point mark

Information for examiners

divergent / constructive 1 mark

iii. Point mark

Information for examiners

Credit all characteristics at one mark each.

Process of the formation of new crust at this plate boundary max. 2

Two plates moving away from each other

Volcanoes /earthquakes

Mid ocean ridge formed

Rift valleys found here

If convergent or transform stated in ii allow correct responses for this boundary to max 2. 4 marks

iv. Levels mark

Information for examiners

Answer can focus on either volcanic eruptions or earthquakes. Both do not need to be addressed.

See appendix B

Level 3 5 marks	For this level specific detail on both MEDC and LEDC. Or another specific point for 1 of them.
Level 2 4-3	Specific detail of a case study must be included to reach level 2. Responses for both an MEDC and LEDC needed to reach top of this level
Level 1 2-1	Descriptive comments only about responses to earthquakes and volcanoes. Not related to case study.

5 marks

c. Level mark

Information for examiners

Can be LEDC or MEDC

If volcano rather than earthquake credit comments that are relevant to max. level 1

See appendix B for case study material on Turkey and Japan

Level 3 8-7	All three components-short term responses by local people, aid agencies and long term problems need to be addressed in a case study framework to reach this level. For top of level geographical terminology is used appropriately. Candidates are expected to spell, punctuate and use the rules of grammar with accuracy.
Level 2 6-4	Case study material required to enter this level. For top of level both parts of the question specific case study required. For top there is use of geographical terminology. Candidates are expected to spell, punctuate and use the rules of grammar with some accuracy.
Level 1-1	General comments about how the impact could be lessened in the future or responses made.

8 marks

Question 3

- ai. 50 thousand, 50 000 1 mark
- ii. Point mark
Information for examiners
Look for a logical progression
Greater number of tourists will require more food (1). This will be grown by the farmers - there will need to be more of them (1)
Allow two correct, but not inter related points. 2 marks
- iii. Point mark
Information for examiners
Examples must be possible/visible in the photographs.
Active - swimming, water sports, visiting monuments/sightseeing
Passive - sunbathing, eating/drinking in restaurant
Sightseeing can be allowed in either not both. 3 marks
- iv. Point mark
Information for examiners
Four simple reasons or two reasons at two marks each
The following would each be credited with two marks
Rocky not sandy beach (1) therefore not popular with tourists(1)
Difficult terrain/isolated area(1) therefore communications and access difficult(1)
Would cost a lot of money to develop tourism here(1) as there is no infrastructure(1)
Credit approach which stresses lack of facilities eg no shops, no entertainment so tourism development won't happen. 4 marks
- v. Point mark
Information for examiners
Economic factors include increase in disposable income and comparatively cheap flights.
Social factors include increase in holiday/leisure time, greater education/media coverage.
Allow 2 marks for developed points. 4 marks
- bi. Point mark
Information for examiners
Allowing the development of tourist facilities but in a way that there will be little damage to the environment.
Allow references to at least the same resource being offered to future generations.
Tourism that benefits the local community 1 mark

- ii. Point mark
Information for examiners
 Two lifts from the text are all that is required.

2 marks

- iii Levels mark
Information for examiners

- See appendix C for case study material on Yosemite.
- If LEDC is chosen credit relevant comments to max L1

Level 3 5 marks	Two management strategies explained within a case study or one in great detail.
Level 2 4-3	Specific detail of a case study must be included to reach level 2. Top of level explanation of a management strategy is required.
Level 1 2-1	Descriptive comments only about management. Not related to case study.

5 marks

- c. Levels mark
Information for examiner

- If MEDC is chosen credit relevant comments to max L1
- See appendix C for case study material on Machu Picchu and Zanzibar

Level 3 8-7	All three components- physical, human and effects need to be addressed in a case study framework to reach this level. For top of level geographical terminology is used appropriately. Candidates are expected to spell, punctuate and use the rules of grammar with accuracy..
Level 2 6-4	Case study material required to enter this level. For top of level both parts of the question with specific case study material is required. For top there is use of geographical terminology. Candidates are expected to spell, punctuate and use the rules of grammar with some accuracy.
Level 1 3-1	General comments about physical and human attractions and / or the effect of tourism on people.

8 marks

Question 4

ai. 54 1 mark

ii. Point mark
Information for examiners
 For MEDCs gone up (1) from 54% to 84% (1) rate of increase decline after 2010 (1).
 Max on either MEDC / LEDC; both not needed
 Same sort of comments for LEDC.
 Max 2 without data
 Dates are not data 3 marks

iii. Point mark
Information for examiners
 An increasing proportion / percentage of the population living in urban areas.
 The growth in population in urban areas. 1 mark

bi. Point mark
Information for examiners
 rubbish dumps, waste pits, human excrement, industrial waste 1 mark

ii. Point mark
Information for examiners
 asthma, brain damage, breathing difficulties, headaches, coughs, eye irritation, cancer 2 marks

iii. levels mark
Information for examiners

Level 3 5 marks	For this level two management schemes explained in a case study or one in great detail.
Level 2 4-3	Specific case study must be included to reach level 2. Top of level explanation of how pollution is being managed.
Level 1 2-1	Descriptive comments only about the management of urban pollution. Not related to case study e.g. tall chimneys.

5 marks

ci. Point mark
Information for examiner
 Land that is not built on / farmland(1) which controls the spread of urban areas(1)
 Responses about planning are acceptable. 2 marks

- ii. Point mark
Information for examiners
 Asks for reasons so expect each statement to have an explanation for the mark
 Allow developed points to 2.
 motorway to give good accessibility(1)
 flat land so it is easy to build on(1) 3 marks

- iii. Point mark
Information for examiners
 Max of 3 if both sides are not addressed
 Maximum of two if no actual groups mentioned.
 One group can go to 2 marks for expanded points.
 E.g.
 People who will make money out of the development - farmers(1)
 Environmentalists who do not want to see the countryside disappearing(1)
 Councillors who wish to control the growth of their city(1) and preserve green areas.(1) 4 marks

- d. Levels mark
Information for examiners
 Appendix D for case study information
 If LEDC is chosen credit relevant comments to max L1

Inner city refers to all areas more central than the suburbs.

Level 3 8-7	All three parts of the question need to be addressed in a case study framework to reach this level. For top of level geographical terminology is used appropriately. Candidates are expected to spell, punctuate and use the rules of grammar with accuracy.
Level 2 6-4	Case study material required to enter this level. For top of level both parts of the question with specific case study material is required, and an explanation of why renewal/redevelopment has taken place. For top of level there is use of geographical terminology. Candidates are expected to spell, punctuate and use the rules of grammar with some accuracy.
Level 1 3-1	General comments about redevelopment and/or renewal. Descriptive comments about how the city is changing

7 marks