

Commentary on candidate evidence

The candidate evidence has achieved the following marks for each question of this course assessment component.

Candidate 1

Question 1

The candidate is awarded **8/8 marks**.

In this question, up to 4 marks can be awarded for processes of erosion, with up to 2 marks available for each process. Please note, it is important that a mark is not awarded solely for the word itself; candidates must demonstrate some understanding of the process for a mark to be awarded.

The first mark is awarded at 'north facing hollows' (**1 mark**).

Another mark is awarded at 'melts in summer' (**1 mark**) for the explanation of the formation of a glacier. A process mark is awarded at 'onto the bedrocks' (**1 P mark**), and another process mark is awarded at 'loose rocks away' (**1 P mark**) for providing a full explanation of the process of plucking.

A further process mark is awarded at 'embedded in the glacier' (**1 P mark**), and another mark for processes is awarded at 'grinds away' (**1 P mark**) for detailing the process of abrasion.

A mark is awarded at 'Gravity' (**1 mark**) and a further mark is awarded and at 'cut off by the glacier' (**1 mark**).

The candidate has now achieved full marks however, the following commentary shows where further marks could have been awarded, had they been required.

A mark could be awarded at 'truncated spurs', (1 mark) a further mark could be awarded at 'more deeply' (1 mark) for the ribbon lake.

A carat is placed at 'natural dam' because we are looking for a link to moraine. A mark is available for a named example and this could be awarded at 'Windermere'. (1 eg mark).

Question 2

The candidate is awarded **8/8 marks**.

In this question, up to 4 marks can be awarded for processes of erosion, with up to 2 marks available for each process. Please note, it is important that a mark is not awarded solely for the word itself; candidates must demonstrate some understanding of the process for a mark to be awarded.

The first process mark is awarded at 'prevailing winds' (**1 P mark**) and a second process mark is awarded at 'at an angle' (**1 P mark**) for the process of swash.

A third mark for processes is awarded at 'by gravity' (**1 P mark**) and the final process mark is awarded at 'right angle' for the process of backwash (**1 P mark**).

A mark is awarded at 'change in direction on a coastline' (**1 mark**) and a further mark is awarded at 'sheltered area for deposition' (**1 mark**).

A mark is awarded at 'above the water' (**1 mark**) however, no mark is awarded for the formation of the hook as this is related to a spit formation.

A mark is awarded at 'can form behind' (**1 mark**) for the formation of the salt marsh.

The candidate has now achieved full marks however, the following commentary shows where further marks could have been awarded, had they been required.

A mark could be awarded at 'two headlands' (1 mark). No marks could be awarded for the lagoon as this is very similar to the point on salt marsh.

A final mark could be awarded at 'into the sea' (1 mark).

Question 3

The candidate is awarded **7/10 marks**.

This candidate has answered the questions out of sequence — the response to question 3 is found later in the candidate evidence.

This question can be marked holistically with 'A' marks relating to '**describe**' in part (a) and '**B**' marks relating to '**suggest reasons**' in part (b). A maximum of 5 marks are available for description in part (a) of the question.

The first mark for description is awarded at 'below 10 cumecs' (**1 A mark**) and a further description mark is awarded at '32 cumecs' (**1 A mark**).

The time '14:00' is underlined as the correct time is 13:00 however, a description mark is awarded at '32 cumecs to 12 cumecs' (**1 A mark**) because the candidate has the correct cumecs and trend.

A description mark is awarded at 'to 24 cumecs' (**1 A mark**) for the correct figures and trend, and the final descriptive mark is awarded at '6 cumecs' (**1 mark**).

In part (b), 'small drainage basin' and '10 hours' are underlined as these points are incorrect.

An explanation mark is awarded at 'long lag time' (**1 B mark**) for the flat basin.

A carat is placed at 'infiltration and percolation' as these have not been developed into explanations; this could have been awarded two marks with explanation.

A final explanation mark is awarded at 'or intercept the rain' (**1 B mark**).

Question 4

The candidate is awarded **8/8 marks**.

In this question, up to 4 marks can be awarded for processes of erosion, with up to 2 marks available for each process. Please note, it is important that a mark is not awarded solely for the word; candidates must demonstrate some understanding of the process for a mark to be awarded.

The first mark is awarded at 'Differential erosion' (**1 mark**).

A process mark is awarded at 'air is compressed' (**1 P mark**), and a second process mark is awarded at 'dislodged' (**1 P mark**) for the process of hydraulic action.

A further process mark is awarded at 'throws bedload' (**1 P mark**) for the process of abrasion, however a carat is placed at 'causing erosion' as further development is needed here.

A process mark is awarded at 'dissolve' (**1 P mark**) for the process of solution, but no further credit is awarded for processes as the maximum of 4 marks has already been reached.

A mark is awarded at 'overhang of hard rock' (**1 mark**), and a further mark is awarded at 'due to gravity' (**1 mark**).

No marks are awarded for attrition, but a mark is awarded at 'deepen the plunge pool' (**1 mark**).

The candidate has now achieved full marks however, a mark could have been awarded at 'retreat upstream' (1 mark), had it been required.

Question 5

The candidate is awarded **8/8 marks**.

The first mark is awarded at 'warm air rises' (**1 mark**), and a second mark is awarded at 'towards the poles' (**1 mark**).

A further mark is awarded at 'areas of high pressure' (**1 mark**) and another mark is awarded at 'surface winds' (**1 mark**) for the formation of the Hadley Cell.

A mark for a correct named example mark is awarded at 'Hadley Cell' (**1 eg mark**).

A second example mark is awarded at 'Ferrel Cell' (**1 eg mark**) because the location has been described at the start of the following page. No further marks are awarded for the names of cells/winds as the maximum of two marks has now been awarded.

A mark is awarded at 'and Hadley Cell' (**1 mark**), and a further mark is awarded at 'not driven by temperature' (**1 mark**) for further development of this point.

The candidate has now achieved full marks however, the following commentary shows where further marks could have been awarded, had they been required.

A carat is placed at 'at the poles', as we require the link to air pressure here however, a mark could be awarded at '60°N' for the air returning, heating and rising.

A mark could be awarded at 'returning to the poles' (1 mark) and a final mark could be awarded at the end of the sentence for redistribution of energy (1 mark).

Question 6

The candidate is awarded **8/8 marks**.

The diagram is marked first for this question. The diagram is found later in the candidate evidence pack.

An underline is placed at 'deep leaf litter' as this is incorrect. A mark is however, awarded at 'shallow roots' (**1 mark**), and a further mark is awarded at 'iron pan' (**1 mark**) as this is in the correct location.

A mark is awarded at 'impeding drainage' (**1 mark**) and another mark is awarded at 'reddish brown' (**1 mark**) for the colour in the B horizon.

A mark is awarded at 'ash grey A' (**1 mark**) for the colour of the A horizon, and a further mark is awarded at 'acidic humus' (**1 mark**).

We now refer to the text in the candidate evidence pack for information not already credited in the diagram.

A mark is awarded at 'needles and cones' (**1 mark**), and a REP is placed at 'acidic mor' as this was already awarded a mark on the diagram.

A mark is awarded at 'downward movement' (**1 mark**) for leaching.

The candidate has now achieved full marks however, the following commentary shows where further marks could have been awarded, had they been required.

A REP is placed at 'iron pan...water logging' as 'impeding drainage' has already been credited, and also at 'ash grey' and 'reddish brown' as these are repeated from the diagram.

A mark could have been awarded at 'limited soil biota' (1 mark), and a final mark could have been awarded at 'well defined layers' (1 mark). A final REP is placed at 'Shallow roots'.

Ignore all explanation points in this answer.

Question 7

The candidate is awarded **6/6 marks**.

A mark is awarded at 'every ten years' (**1 mark**) and further mark is awarded at 'live in the household' (**1 mark**) and also at 'cultural background' (**1 mark**) for further development of the census.

A mark is awarded at 'up-to-date count' (**1 mark**) and also at 'births and deaths' (**1 mark**) for civil registration.

A further mark is awarded at 'visa applications' (**1 mark**).

The candidate has now achieved full marks however, a mark could have been awarded at 'can also be used' (1 mark) for NHS data, had it been required.

Question 8

The candidate is awarded **7/10 marks**.

The first mark is awarded at 'more schools' (**1 mark**), and a second mark is awarded at 'maternity units' (**1 mark**). A further mark is awarded at 'getting ill' for vaccinations (**1 mark**), and another mark is awarded at 'increase in elderly people' (**1 mark**). A mark is awarded at 'potential work force' (**1 mark**) and another mark is awarded for 'unemployment rates' (**1 mark**).

A final mark is awarded at 'increasing dependent population' for the increased impact of more dependents (**1 mark**).

Question 9

The candidate is awarded **7/8 marks**.

This question can be marked holistically with 'A' marks relating to '**describe**' in part (a) and '**B**' marks relating to '**comment on the effectiveness**' in part (b). A maximum of 5 marks are available for either part (a) or part (b) of the question.

The first descriptive mark is awarded at 'high-rise flats' (**1 A mark**) and an effectiveness mark is awarded at 'community spirit' (**1 B mark**) for a comment on the effectiveness of this strategy.

A description mark is awarded at 'heritage' (**1 A mark**), and a 'B' mark is awarded at 'and economic mix' (**1 B mark**) for a comment on its effectiveness.

A mark is awarded at 'onto houses' (**1 A mark**) for public art, and a further mark is awarded at 'to move here' (**1 B mark**) as by improving the aesthetic, more people may move in.

A description mark is awarded at 'added in these areas' (**1 A mark**), and a REP is placed at 'to move here' as this has already been credited. There is no further credit awarded for the remaining point because this needs a little more development to be awarded a mark.

Question 10

The candidate is awarded **5/8 marks**.

This question can be marked holistically with 'A' marks relating to '**describe**' in part (a) and '**B**' marks relating to '**explain**' in part (b). A maximum of 5 marks are available for either part (a) or part (b) of the question.

This candidate has included information on the effectiveness of transport strategies in their answer. This is bracketed off because it does not respond to the command words in the question.

An underline is placed at '3.3km' in the first sentence because over 400km of cycle lanes have been added.

A descriptive mark is awarded at 'key locations' for a description of bike hire (**1 A mark**) and an explanation mark is awarded at 'to hire them' for explanation of affordability (**1 B mark**).

Air quality is expressed as effectiveness here, other candidates may express this as an explanation and be credited for this.

A carat is placed at 'buses have been made...cheaper' because there is not enough detail here.

A descriptive mark is awarded at 'surrounding the city' (**1 A mark**). The rest of this statement is effectiveness.

A mark is awarded at 'Bus Rapid Transit' (**1 eg mark**) for a relevant named example, and further mark is awarded at 'final destination' (**1 A mark**) for a description of this.

Question 11

The candidate is awarded **10/10 marks**.

This question can be marked holistically with 'A' marks relating to '**describe**' in part (a) and '**B**' marks relating to '**comment on the effectiveness**' in part (b). A maximum of 7 marks are available for either part (a) or part (b) of the question.

A descriptive mark is awarded at 'at the same time' (**1 A mark**) for description of agroforestry and a carat is placed at 'from the rain/sun' because this is not developed enough. A descriptive mark is awarded at 'fertility of the soil' (**1 A mark**) as this is a further development of the strategy.

A descriptive mark is awarded at 'particular height' (**1 A mark**) for selective logging and an effectiveness mark is awarded at 'from erosion' (**1 B mark**).

A descriptive mark is awarded at 'bind to the soil' (**1 A mark**) for afforestation.

A descriptive mark is awarded at 'exploitation' (**1 A mark**) and an effectiveness mark is awarded at 'of the soil' (**1 B mark**).

A further descriptive mark is awarded at 'are legal' for satellite monitoring (**1 A mark**), and another effectiveness mark is awarded at '60% in Brazil' (**1 B mark**).

A carat is placed at 'Education' as this is too vague and there is no development or detail of this strategy. A descriptive mark is however awarded at 'conservation programmes' (**1 A mark**) because this is where the point answers the question.

Question 12

The candidate is awarded **8/8 marks**.

The first marks are awarded at 'fences/stone walls' (**1 mark**) and 'footpath erosion' (**1 mark**). A further mark is awarded at 'choke on it' (**1 mark**) for the problem of litter. A carat is placed at 'costly to the farmer' as this is not developed yet.

A mark is awarded at 'livestock to escape' (**1 mark**) and again, a carat is placed at 'losing money' because we are looking for a little extra, eg reference to vet bills.

Further marks are awarded at 'visual pollution' (**1 mark**), 'to have miscarriages' (**1 mark**) and 'traffic congestion' (**1 mark**).

A mark is awarded for a named example at 'Luss' (**1 eg mark**).

The candidate has now achieved full marks however, the following commentary shows where further marks could have been awarded, had they been required.

Marks could have been awarded at 'erode the landscape' (1 mark), 'erode the shores' (1 mark) and at 'pollute the loch' (1 mark) for the problem of speed boats.

Further marks could also have been awarded at 'prices to rise' (1 mark) and 'rural de-population' (1 mark). A final mark could have been awarded at 'gift shops' (1 mark) for further development of this point.

Candidate 2

Question 1

The candidate is awarded **6/8 marks**.

In this question, up to 4 marks can be awarded for processes of erosion, with up to 2 marks available for each process. Please note, it is important that a mark is not awarded solely for the word; candidates must demonstrate some understanding of the process for a mark to be awarded.

The first mark is awarded at 'north facing slope' (**1 mark**), and a second mark is awarded at 'melts in summer' (**1 mark**). This is the maximum allowed for the formation of a glacier and therefore, no further marks are awarded for this point.

A process mark is awarded at 'freeze' (**1 P mark**) for the first mark on freeze thaw, and a further process mark is awarded at 'frost shattering' (**1 P mark**) for development of this point.

A further process mark is awarded at 'onto shattered rock' (**1 P mark**) for a definition of plucking, and a final process mark is awarded at 'from the surface' (**1 mark**).

Question 2

The candidate is awarded **5/8 marks**.

In this question, up to 4 marks can be awarded for processes of erosion, with up to 2 marks available for each process. Please note, it is important that a mark is not awarded solely for the word; candidates must demonstrate some understanding of the process for a mark to be awarded.

The first mark is awarded at 'low energy' (**1 mark**). A process mark is awarded at 'lateral movement' (**1 mark**). A further process mark is awarded at 'prevailing winds' (**1 P mark**) for swash, and a third process mark is awarded at 'degrees' (**1 mark**) for the idea of an angle – this doesn't need to be 45°. A final process mark is given at 'right angle' (**1 mark**) for backwash.

Question 3

The candidate is awarded **4/10 marks**.

This question can be marked holistically with 'A' marks relating to '**describe**' in part (a) and '**B**' marks relating to '**suggest reasons**' in part (b). A maximum of 5 marks are available for description in part (a) of the question.

No marks are awarded for the first sentence as the figures are incorrect – the falling limb ends at 11:00 and '14:00' is underlined.

The first descriptive mark is awarded at 'around 05:00' (**1 A mark**) for the rising limb with times.

The numbers here are not quite accurate; the falling limb times given do not match the graph, and the cumecs are also inaccurate, therefore no marks are awarded.

No marks are awarded for the second rising limb as again, the figures are not accurate.

A descriptive mark is awarded at 'until 20:00' (**1 A mark**), but no credit is awarded for the final description because the time and cumecs given do not match.

An explanation mark is awarded at 'discharge will fall' (**1 B mark**) for the explanation of low rainfall on the graph. A further explanation mark is awarded at the end of the answer at 'to rise again' (**1 B mark**) for the second period of rainfall linked with rising discharge.

Question 4

The candidate is awarded **4/8 marks**.

In this question, up to 4 marks can be awarded for processes of erosion, with up to 2 marks available for each process. Please note, it is important that a mark is not awarded solely for the word; candidates must demonstrate some understanding of the process for a mark to be awarded.

The first mark for processes is awarded at 'trapped air' (**1 P mark**), and a second process mark is awarded at 'explosive blast' (**1 P mark**) for the explanation of hydraulic action.

Further process marks are awarded at 'against the river' (**1 P mark**) and at 'sandpaper' (**1 P mark**) for an explanation of corrasion.

The candidate has now reached the maximum marks for processes and no marks are awarded for solution.

Question 5

The candidate is awarded **3/8 marks**.

A carat is placed at the cell names because there is no information on their location.

A mark is awarded at 'or too cold' (**1 mark**) for the explanation for redistributing energy to ensure balance.

A mark is awarded at 'large portion of energy' (**1 mark**), and a further mark is awarded at 'with energy deficit' (**1 mark**) for a poorly expressed, but correct point.

A carat is placed at 'polar easterlies' because there is no information given on their location.

Question 6

The candidate is awarded **7/8 marks**.

Marks are awarded at 'coniferous forestry' (**1 mark**), 'pines and needles' (**1 mark**) and at 'lack of soil biota' (**1 mark**).

A further mark is awarded at 'iron pan' (**1 mark**) and at 'impedes drainage' (**1 mark**).

A mark is awarded at 'infertile' (**1 mark**) and a final mark is awarded at 'clearly defined horizons' (**1 mark**). REP is placed at 'lack of soil biota' for repetition of the point made.

All explanation is bracketed off in this answer.

Question 7

The candidate is awarded **6/6 marks**.

A mark is awarded at 'every decade' (**1 mark**) and a second mark is awarded at 'living in their home' (**1 mark**) for development of the census.

A mark is awarded at 'births and deaths' (**1 mark**) and a further mark is awarded at 'currently in the county' (**1 mark**) for the idea of this keeping track between censuses.

Another mark is awarded at 'existing the country' (**1 mark**) for 'Border Control', and REP is placed at 'currently in the country' as this is very similar to the point above.

A mark is awarded at 'is asked about' (**1 mark**) for sampling.

The candidate has now achieved full marks however, a final mark could have been awarded at 'more manageable' (1 mark) for development of sampling, had it been required.

Question 8

The candidate is awarded **2/10 marks**.

A mark is awarded at 'teachers being required' (**1 mark**) with a second mark awarded at 'have healthcare' (**1 mark**).

An underline is placed at 'less workers' because there will be more economically active people.

No marks are awarded for lack of education here because the reason given for this; 'less workers', is not correct. However, other candidates may receive credit for this idea, if correctly expressed.

Question 9

The candidate is awarded **4/8 marks**.

This question can be marked holistically with 'A' marks relating to '**describe**' in part (a) and '**B**' marks relating to '**comment on the effectiveness**' in part (b). A maximum of 5 marks are available for either part (a) or part (b) of the question.

A carat is placed at 'renovations' as there is no real strategy described here.

A descriptive mark is awarded at 'access to education' (**1 A mark**).

A mark is awarded for a named example at 'Athletes Village' (**1 eg mark**) however, 'renovated old housing' is underlined as this is not correct for this strategy.

A descriptive mark is awarded at 'improved homes' (**1 A mark**) for the idea of local residents having access to better quality housing.

A carat is placed at 'also improved' because we are not told how it is improved however, an effectiveness mark is awarded at 'crime and theft' (**1 B mark**) because this is a correct evaluation of this project.

Question 10

The candidate is awarded **2/8 marks**.

This question can be marked holistically with 'A' marks relating to '**describe**' in part (a) and '**B**' marks relating to '**explain**' in part (b). A maximum of 5 marks are available for either part (a) or part (b) of the question.

This candidate has included information on the effectiveness of transport strategies in their answer. This is bracketed off because it does not respond to the command words in the question.

A carat is placed at 'traffic lights' as the introduction of smart traffic lights is the strategy here.

A descriptive mark is awarded at 'if necessary' (**1 A mark**) because this was introduced in Nairobi in 2014. An explanation mark is awarded at 'cars always moving' (**1 B mark**).

Bracket off the information on evaluation towards the end of the response as this does not respond to the question.

Question 11

The candidate is awarded **5/10 marks**.

This question can be marked holistically with 'A' marks relating to '**describe**' in part (a) and '**B**' marks relating to '**comment on the effectiveness**' in part (b). A maximum of 7 marks are available for either part (a) or part (b) of the question.

A descriptive mark is awarded at 'perpendicular to the wind' (**1 A mark**) and a second descriptive mark is given at 'being blown away' (**1 A mark**) for development of this.

A mark for a named example is awarded at 'Great Green Wall' (**1 eg mark**).

An underline is placed at '7 countries' because this is not correct, and also at 'wall of seeds' because this needs some development. A carat is placed at 'fertile grassland' as this again, is not developed.

A descriptive mark is awarded at 'rainwater taps' (**1 A mark**) because the candidate means 'traps', but the year-round storage is not developed correctly here. A carat is placed at 'sustain themselves' because there is not enough detail yet however, a final effectiveness mark is awarded at 'local economy' (**1 B mark**) where this evaluation is developed.

Question 12

The candidate is awarded **6/8 marks**.

A mark is awarded at 'visual pollution' (**1 mark**) and at 'at a fast pace' (**1 mark**) for development of this point.

A further mark is awarded at 'such as sheep' (**1 mark**), but no further marks are awarded at 'lost animals' because this is not the conflict being discussed here.

A carat is placed at 'on the landscape' because the link to visual pollution is not clear however, a mark is awarded at 'annoy people' (**1 mark**) for the noise from training drills.

A carat is placed at 'most of the year' because the conflict is not explicit here however, a mark is awarded at 'driving people from the area' (**1 mark**).

A final mark is awarded for 'throughout the year' (**1 mark**) for the conflict of seasonal employment.