

# Examiners' Report June 2022

**GCSE Geography A 1GA0 01** 



#### **Edexcel and BTEC Qualifications**

Edexcel and BTEC qualifications come from Pearson, the UK's largest awarding body. We provide a wide range of qualifications including academic, vocational, occupational and specific programmes for employers. For further information visit our qualifications websites at www.edexcel.com or www.btec.co.uk.

Alternatively, you can get in touch with us using the details on our contact us page at www.edexcel.com/contactus.



#### Giving you insight to inform next steps

ResultsPlus is Pearson's free online service giving instant and detailed analysis of your students' exam results.

- See students' scores for every exam question.
- Understand how your students' performance compares with class and national averages.
- Identify potential topics, skills and types of question where students may need to develop their learning further.

For more information on ResultsPlus, or to log in, visit www.edexcel.com/resultsplus. Your exams officer will be able to set up your ResultsPlus account in minutes via Edexcel Online.

#### Pearson: helping people progress, everywhere

Pearson aspires to be the world's leading learning company. Our aim is to help everyone progress in their lives through education. We believe in every kind of learning, for all kinds of people, wherever they are in the world. We've been involved in education for over 150 years, and by working across 70 countries, in 100 languages, we have built an international reputation for our commitment to high standards and raising achievement through innovation in education. Find out more about how we can help you and your students at: www.pearson.com/uk.

June 2022

Publications Code 1GA0\_01\_2206\_ER

All the material in this publication is copyright

© Pearson Education Ltd 2022

#### Introduction

This was the fifth series for Pearson Edexcel GCSE (9-1) Geography although two of these involved very small numbers of candidates. This Examiner's report is intended to provide an insight into performance on Paper 1 – The Physical Environment component – in particular, analysing the majority of questions in terms of what went well and where common mistakes and under-performance were evident. Exemplar responses from 'real' scripts have been used to demonstrate good practice and highlight common pitfalls encountered by candidates.

The structure of the paper remains the same and is outlined below; please note that this (and future) question papers are based upon Issue 3 of the specificaition.

This paper consists of three 30-mark sections. Of the 94 marks, up to 4 marks are awarded for spelling, punctuation, grammar and use of specialist terminology. The exam includes multiple-choice questions, short open, open response, calculations and 8-mark extended writing questions. The exam command words which are used in this paper are defined on page 43 of the specification. Each of the questions is mapped to one or more of the Assessment Objectives (AOs).

In Section A (the changing landscapes of the UK), candidates are required to answer all the items in Question 1. They are also required to have studied two optional sub-topics from a choice of coastal landscapes and processes, river landscapes and processes and glacial upland landscapes and processes. In addition, candidates are required to answer two questions from Questions 2, 3 and 4. In Section B (weather hazards and climate change), candidates are required to answer all the questions. Section C (ecosystems, biodiversity and management), has a mark tariff of 34, including 4 marks for spelling, punctuation, grammar and use of specialist terminology. In this section, candidates are required to answer all the questions.

In general, the assessment of application and interpretation (AO3) and the addressing of the command words 'assess' and 'evaluate' once again appear to have proven challenging for a significant proportion of candidates.

I hope that you find reading this document useful and that it helps you to improve the performance of your candidates in future examination series.

## Question 1 (a)

Most candidates were able to name an example of a metamorphic rock. However, some candidates gave examples of igneous rocks (eg granite) or sedimentary rocks (eg chalk).

- 1 UK landscapes are constantly being changed by different processes.
  - (a) Name one type of metamorphic rock.

(1)





This response was awarded one mark.

The candidate has given an example of a metamorphic rock (1).

# Question 1 (b)

Most candidates were able to identify a characteristic of a sedimentary rock. However, some candidates stated characteristics of igneous rocks (eg formed by cooling) or metamorphic rocks (eg formed by pressure) and were not awarded a mark.

- UK landscapes are constantly being changed by different processes.
  - (a) Name one type of metamorphic rock.

(1)

(b) State one characteristic of a sedimentary rock.

(1)



This response was awarded one mark.

The candidate has given a characteristic which is true for some types of sedimentary rock (eg clay) (1).



The command word 'state' does not require a lengthy response. In the case of this question a single word answer was sufficient (eg 'soft').

### Question 1 (c)

This question proved challenging for some candidates. While many were able to gain 1 mark by referring to crystals being formed by cooling, relatively few were able to gain the second mark by linking this to the location of the cooling (eg 'intrusive' or 'within the crust').

(c) Explain **one** reason why igneous rocks often have large crystals. (2) to the en coded slowly leading to the en code of crystals



This response was awarded one mark.

The candidate makes a basic point that crystals are formed by cooling (1) but there is no development of this idea (eg in terms of the location of the rocks as they cool).

(c) Explain one reason why igneous rocks often have large crystals.

Igneous rock can sometimes be formed introsvely, inside the earth by soo may ma cooling off inside the earth. When that happens igneous rack is formed with large crystals.



This response was awarded two marks.

The candidate makes the basic point that crystals in igneous rocks are formed by cooling (1). The second mark was then awarded for the reference to the location of the cooling ('intrusively') (1).

(2)

# Question 1 (d)(ii)

Many candidates struggled with this question despite the interpretation of cross sections and transects being one of the cartographic skills listed on p.33 of the specification (Issue 3). It is important that candidates are given the opportunity to learn and practise all the skills listed in the specification.

### (ii) Identify the settlement at Y.

(1)

# Harberton



This response was awarded one mark.

The correct answer was given (1).



Candidates should be provided with the opportunity to practise all the geographical and mathematical skills listed on p.32-3 of the specification (Issue 3).

### Question 2 (b)

This question was answered well by most candidates. A small minority of candidates stated an example of a process of erosion or transportation which was incorrect.

(b) State one type of mass movement process.

(1)





This response was awarded one mark.

An example of a mass movement process was given (1). It should be noted that while only a relatively small number of mass movement processes are listed in the specification, a mark would have been awarded for other processes not listed as long as they were correct.

### Question 2 (c)

This 'explain' question had 2 marks available. Candidates were required to identify a characteristic of a constructive wave (eg strong swash or swash stronger than backwash) and then link this to the impact on the beach (eg pushes sediment onto the beach or builds the beach up). Candidates who identified two or more characteristics were only awarded 1 mark unless there was a linked development point.

(c) Explain one way that constructive waves can affect beaches.	(2)
Constructive waves have a powerfull	Swush
but a weak backwash	bb#b>/#pp=4044111111111111111111111111111111111



This response was awarded one mark.

The candidate has identified that constructive waves have a strong swash (1) but they have not identified the impact this has on beaches.

(c) Explain **one** way that constructive waves can affect beaches.

(2)

Constructive waves have a Stranger swash than backways. The means that a sedment's deposited on the space and building up beaches.



This response was awarded two marks.

The candidate has identifed that constructive waves have a stronger swash than backwash (1) and has then developed this by explaining that this leads to beaches building up (1).

### Question 2 (d)

The command word in this 8 mark question is 'examine' which requires candidates to break something down into individual components/processes, say how they individually contribute to the question's theme/topic and how the components and processes interrelate.

While the mark scheme identifies the indicative content for this question, this is not an exhaustive list and candidates were awarded marks for relevant understanding, interpretation and skills which were not listed. Ultimately, when deciding on the final mark, examiners use the level descriptors to allocate a 'best fit' level to the response and then decide where, within the level, the response falls. The level descriptors are the same for all 'examine' questions within this paper (Q02d, Q03d and Q04d), and also across all the papers in both GCSE Geography specifications. It is therefore important that centres and candidates become familiar with them and how they are applied. In the case of these questions, the assessment objectives (AOs) which are being examined are AO3 (4 marks) and AO4 (4 marks). To secure the AO4 marks, candidates are required to use geographical skills to extract information from the figures in the resource booklet which will help them answer the question.

In the case of this particular question, this could have included details regarding the rate of erosion along different parts of the coastline; named locations where sea defences were/ were not being used and making links to the rates of erosion in these locations; details of the direction of longshore drift and contrasts between areas with chalk and clay. It was pleasing to see many candidates making use of evidence from the map and graph but this is an area which still needs to be developed. Answers which discuss generally the impact of sea defences and/ or geology on rates of erosion and do not make reference to evidence from the figures will not be awarded any of the AO4 marks (and will be awarded a mxximum Level 1 – 2 marks). The key to securing the AO4 marks is therefore to make sure that evidence is included from the resources which are in front of the candidate. They need to write about what they can see and infer from the resource, rather than simply writing about what they have learnt in class.

In relation to the AO3 marks, the candidates were required to explain the reasons for the variations in the rates of erosion. This part was done well by most candidates with a good understanding shown of the role of sea defences in protecting areas of the coastline. Many candidates were also able to explain that areas with more resistant geology are less likely to be eroded than areas with less resistant rocks. However, as mentioned above the real challenge with these questions is to use the evidence from the figures to support this explanantion rather than to ignore it.

### (d) Study Figure 2b in the Resource Booklet.

Examine how different physical processes and human activities may have affected the rates of erosion shown in Figure 2b.

(8)

Flamborough Head is made from chalk whereus the rest of the coastline is made resustant a slaver rate creating a headlar The Holdeness washing recon has havelled over orcus from north to son graphes at Brid



This response was awarded level 2 – 5 marks.

The candidate has included some information from the resource (eg different geology, direction of longshore drift, some details on the location of coastal defences). They have used this information well to provide an outline of differences in the rates of erosion along the coastline. The answer is weaker when it comes to explaining the variations with there not, for example, being any references to specific erosional processes (eg abrasion or hydraulic action).

(d) Study Figure 2b in the Resource Booklet.

Examine, how different physical processes and human activities may have affected the rates of erosion shown in Figure 2b.

(8)

In figure 76, Constione drigt is effecting the 60km long coasture from North to South Longshore drigt has created a Spit at Spurn head while is rugling 5km long due to the deposition of sediment at the end of the runor mouth.

The chark is the North of the Juguise is eroded less casily than the clay so it forms a headland. This creates a wind shallow for the boy. The clay which streams 60 km is more easily croded so through the processes of it Hydraunic creation, attaking and abrasion causes a fast race of costor is the Morth as the coasthic has retreated about lown from the pair of the head. It Abranch it is about it has retreated rypy 2.5km due to the crossional processes in the North.

The Human actionies that have agreed the pates

of erosion on the coastive included the impreneration

of Sea malls his bridger in the both and spromsed

15th further south. This has reduced the rate

of erosion for Smeties per arms to 2 netres. Furtherore

the addition of groupes a hard engineering sources

will reduce the rate of language drift as they Lie across the beaches and trap sedment has been implemented is bridligton, withersea. Also revenues in withersea and mappleton have also clowed the race of erosión.



This response was awarded level 3 – 8 marks. The candidate has extracted a range of evidence from the resource (eg length of coastline, different types of geology, location of coastal defences linked to rates of erosion). They have also provided a clear explanation for the differences in rates of erosion which they have identified.



Make sure that you use a range of evidence from the figures in your answer on both the 8 mark examine questions which you answer.

# Question 3 (b)

This question was answered well by most candidates. A small minority of candidates stated an example of a mass movement or erosional process which was incorrect.

(b) State one type of sediment transportation process.

(1)





This response was awarded one mark.

An example of a transportation process was given (1).

### Question 3 (c)

This 'explain' question had 2 marks available. Candidates were required to identify a reason why sediment size normally decreases with distance downstream (eg due to the process of abrasion) and a second development mark for linked explanation (eg 'which causes the sediment to be worn down'). Candidates who identified two or more reasons (eg abrasion and attrition) were only awarded 1 mark unless there was a linked development point for one of them.

(c) Explain one reason why sediment size usually decreases downstream.

(2)

Its been graded away more by the time it reaches deuntreum



This response was awarded one mark.

The candidate has identified that sediment becomes smaller due to erosion (1). However, there is no further development in terms of how erosion actually works.

(c) Explain **one** reason why sediment size usually decreases downstream.

(2)

Attention causes rocks to not each other eausing them to smooth and decrease in size. There as more energy downstream so more rocks are broken



This response was awarded two marks.

The candidate has identified attrition (1) and has then further developed this by explaining that the rocks hit each other and are broken down (1).

### Question 3 (d)

Question 3 (d) focuses on the role of erosion processes and geology on the formation of the waterfalls and gorge shown in the figures. The candidates who answered this question more effectively were able to obtain a range of evidence from the OS map and photograph and were able to use this to support their explanation. Most candidates were able to extract at least a limited amount of evidence although this sometimes simply referred to the different geology evident on the top and bottom of the waterfall shown in the photograph. In terms of further evidence which could have been included, candidates could have made reference to the number of waterfalls shown on the map; identified features of the waterfall and gorge shown in the photograph; used map skills to locate these waterfalls/ described the relief in the areas they are located; made reference to the direction of flow of the river and changes in its height above sea level.

The key discriminator between answers was the extent to which evidence was obtained from the resource and whether this was woven through the answer in a way that supported explanation. If this was done reasonably well (with 1-2 pieces of evidence) the answer was likely to reach level 2 and if it was done well (with 3-4 pieces of evidence) it was likely to reach level 3 on AO4.

In relation to the AO3 marks, the candidates were required to explain how both erosional processes and the geology could affect the formation of the waterfalls and gorge. Most candidates had some idea of the erosional proceses involved in waterfall formation and the process sequence was usually well ordered.

(d) Study Figures 3b and 3c in the Resource Booklet.

Examine the role of erosion processes and geology in the formation of the waterfalls and gorge shown in Figures 3b and 3c.

(8)

Waterfalls are formed when horizontal bands of soft rack are under realth bands of hard rock. The soft rock is eroded and the hard rock remains. In figure 3b, the sedimentary rock is soft so was ended quicker than the hard rock at the top of the waterfall. At the battom of the waterfall, there is a plunge pool. Sediment is sits in the bottom of this pool and is moved by the strong water falling from the waterful the sediment then hits against the enerties to the waterfall causing abrasion and evoding away this rack causing an han overhang of hatter mot above hard rock above. In figure 3b, the rock at the top is ig neous which is harder than sedimentary rock which express less quickly.

Because of the overhang, the hard igneous rock at the top of the waterfall is left unsupported and eventually collapses causing the river to retreat. This process repeats and the river retreats upstream leaving the steep garge walls where the river once was. In figure 30, there is a vertical face / cliff west of the waterfall showing that the river retreated and formed a garge from \$53285 \$ 873.0282

to when				
100000000000000000000000000000000000000	***************************************	(4444.)	**************************************	
***************************************	141111111111111111111111111111111111111	.bd-u-d-1111111	**************************************	name and the second



This response was awarded level 3 – 8 marks. The candidate has extracted a range of evidence from the resource (eg different rock types, description of the gorge from the photograph, location of the the gorge using a grid reference). They have also provided a clear explanation for the formation of the waterfalls and gorge with links to specific erosional processes.



Make sure that you use a range of evidence from the figures in your answer on both the 8 mark examine questions which you answer.

(d) Study Figures 3b and 3c in the Resource Booklet.

Examine the role of erosion processes and geology in the formation of the waterfalls and gorge shown in Figures 3b and 3c.

(8)

waterfalls are formed when there is a layer of soft talk under a layer of hard rock. Gradually the soft rock erodes creating on cap of her hard rock this rock then folls away due to presure. The process is repeated and gradually a waterfall forms. Large pieces of Sediment create a deeper plunge pool Gradually over time waterfalls form oproped through repeated erosion caused by abrasion and hydraulic action. In figure 36 we can see a carge cuaterfall and appage, the softer sedimentary rock is being croated, deepening the garge + through hydrounis action. meaning larger sediment Is able to be carried through at higher evater speeds further eroding the aproje through autrasion



This response was awarded level 2 – 4 marks.

The candidate has made some reference to features from the map and photograph (eg different types of rock) but overall the A04 elements are quite weak. However, the response does better on the AO3 elements with clear references to specific erosional processes and a clear understanding of the sequence involved in the formation of the waterfall and gorge. In order to improve the overall mark, this candidate needed to select a wider range of evidence from the resources and to weave these through their answer.

# Question 4 (b)

This question was answered well by most candidates. The accepted answers were either abrasion or plucking.

(b) State one type of glacial erosion process.

(1)

# Plucking



This response was awarded one mark.

An example of a glacial erosion process was given (1).

### Question 4 (c)

This 'explain' question had 2 marks available. Candidates were required to identify an impact of freeze thaw on the landscape (eg breaks rocks apart) and a linked development mark relating to the processes involved (eg water in the rocks freezes and expands). Candidates who identified two or more impacts (eg breaks rocks apart and leads to the creation of scree slopes) were only awarded 1 mark unless there was a linked development point.

(c) Explain one impact of freeze thaw weathering on landscapes. water get inhetween rocks water serezes and expands



This response was awarded one mark.

The candidate has identified that water gets in the rocks, freezes and expands (1). However, they have not developed this point in terms of how this impacts the landscape and so a second mark was not awarded.

(c) Explain **one** impact of freeze thaw weathering on landscapes.

AS the water seeps in the rock and Freezeri expanding and breaking the rock. This impacts lanciscoping because the rocks are cracking

(2)



This response was awarded two marks.

The candidate has identified that water seeps into rocks, freezes and expands (1) and has then linked this to the cracking of rocks (1).

# Question 4 (d)

In Q04 (d), candidates could have included details extracted from the map (eg the width of the valley and valley floor or the direction the valley is aligned) and from the photograph (eg the U shape of the valley or the large boulder in the foreground). However, many candidates failed to make mention of some or even any of the evidence from these resources and wrote a generic answer which could apply to any glacial valley. In cases where no evidence was given the response was limited to level 1 – 2 marks even if the explanation was very good. As with all the 8 mark examine questions, the key to securing the AO4 marks is to make sure that evidence is selected from the figures and that this evidence is used to support the explanation.

In relation to the AO3 marks, the candidates were required to explain how erosional processes have led to the formation of the glacial trough shown in the figures. While there were some very good answers which showed a clear understanding of the erosional processes involved and the sequence of formation this was not always the case.

In terms of the overall levels, a response which had little or no evidence from the figures and which was poorly explained was awarded level 1; a response with 2-3 pieces of map and/ or photo evidence with some explanantion was likely to be awarded level 2 and one with 3-4 pieces of evidence which was used effectively to support process explanation with some idea of sequence was likely to have been awarded level 3. As with the other 8 mark examine questions, an answer which did not include any evidence from the figures would have been awarded a maximum of level 1 – 2 marks irrrespective of how good the process explanation was.

### (d) Study Figures 4b and 4c in the Resource Booklet.

Examine the role of erosional processes in the formation of the glacial trough shown in Figures 4b and 4c.

(8)



This response was awarded level 2 – 5 marks.

The candidate has made very limited reference to features from the map and photograph (eg smooth U shaped glacial trough) and overall the A04 elements are weak. However, the response does better on the AO3 elements with clear references to specific erosional processes and a good understanding of the sequence involved in the formation of the glacial trough. In order to improve the overall mark, this candidate needed to select a wider range of evidence from the resources and to use this to support their answer (eg refer to the spacing of contour lines to show the relief, measure the width of the valley floor and glacial trough, refer to the large boulder in the foreground of the photograph).

(d) Study Figures 4b and 4c in the Resource Booklet.

Examine the role of erosional processes in the formation of the glacial trough shown in Figures 4b and 4c.

(8)

would have been much nower and work V- shaped. However, as he glacier a communicated Brasion and deeph the valley

Processes such as peege now weareing wicks to fall outs the flacier, policially sithered his would have take material one from he roller sites and mare rial / glacial ru abrading it The valley floor and sixes valley to become more U-shaped - in 46, the grant valley 44 he lack of contrasts with steep valley a U-Sheped valley

give 46 and Hanging valleys (e.g. 637628 edges for he trough nee formed as the a spur of land striking our into the the Maying valleys throughout The trough when tiburary rivers (I which sussequency Jonnes Nor Franco valley glacier; The rates The smaller places were synificanty less than those of glacies netted, he insulary glacies

floor, as the it had been deepened much more by

Post-glaciation, processes like frege than breaking have



This response was awarded level 3 – 8 marks. The candidate has extracted a range of evidence from the resource (eg using contours to interpret the relief, using grid references to locate features, identifying the direction of travel of the glacier). They have also provided a clear explanation for the formation of the glacial trough including identifying specific erosional processes.



Make sure that you use a range of evidence from the figures in your answer on both the 8 mark examine questions which you answer.

# Question 5 (a)(ii)

In this question, candidates were required to calculate the range of temperatures shown on a line graph. This question required mathematical workings to be shown for 1 mark and the other mark was given for the correct answer. In the case of candidates who used the correct method to calculate the range (highest figure - lowest figure) but had misread the graph, 1 mark was given for the correct workings but the second mark for the correct answer was not awarded.

(ii) Calculate the range of the rainfall between 1990 and 2015.

Answer to one decimal place.

You must show your working in the space below.

(2)



This response was awarded one mark.

The candidate has used the correct method (higher number-lower number) (1) but they have not read the figures correctly from the graph so their final answer is incorrect.

(ii) Calculate the range of the rainfall between 1990 and 2015.

Answer to one decimal place.

You must show your working in the space below.

(2)



...cm / month



This response was awarded two marks.

The correct answer (1) and correct workings (1) have been shown.



It makes it much clearer if the final answer is written in the answer space provided (next to the units of measurement).

### Question 5 (b)

Q05 (b) directed candidates to information contained with a resource. As this was a four mark question, there were two marks available for each developed impact, with one mark for identifying the impact using evidence from the resource (AO3) and a further mark for development through explanation of this impact (AO2). The impacts needed to be evident from the figure.

(b) Study Figure 5b in the Resource Booklet.

Explain one impact of drought on people and one impact on the environment in South east Australia.

You must use evidence from Figure 5b in your answer.

(4)

People

Environment



This response was awarded two marks.

The candidate has identified relevant impacts from the image and text boxes and has put these under the correct headings. They have therefore been awarded an AO3 mark for each element. However, neither of these points are developed.

(b) Study Figure 5b in the Resource Booklet.

Explain one impact of drought on people and one impact on the environment in South east Australia.

You must use evidence from Figure 5b in your answer.

(4)

People

impact of disright on people in South east Australia many farmers gall. this is because assessment because these isn't Enough water for them.

Environment



This response was awarded four marks.

The candidate has identified impacts for both people and the environment which are derived from the resource. Both of these impacts have then been developed through explanation.



Work through all the papers (specimen and live) and identify the key vocabulary being used (eg words such as 'impact', 'cause', 'frequency' and distribution').

# Question 6 (a)

This question involved the candidates naming one of the global atmospheric circulation cells. This was answered correctly by most candidates.

- 6 The atmosphere operates as a global system transferring heat and energy.
  - (a) Name one of the global atmospheric circulation cells.



(1)



This response was awarded one mark.

The candidate has named one of the three atmospheric circulation cells (1).

## Question 6 (b)(ii)

This 3 mark 'explain' question required the candidates to identify one reason for the different amount of solar energy received in the two locations. As one of the marks awarded was an AO3 mark, there needed to be reference to evidence from the resource. This was normally either locational evidence (eg location Y is closer to the Equator) or differences in the amount of solar radiation received at the two locations (eg location Y receives more solar radiation). Candidates were then required to develop their answer to explain why the amount of solar radiation varied (eg linked to the curvature of the Earth and the concentration of incoming solar radiation). Some candidates referred to variations in the distance travelled by incoming solar radiation which is incorrect unless linked to the distance of atmosphere it passes through.

(ii) Explain one reason why location X receives a different amount of solar energy than location Y.

You must use evidence from Figure 6a in your answer.

1 1						(3)
Location	× ,5	furl	her a	سمم	from	
the	eganter	flan	Cocation	7	une a ,	Nu <sub>1</sub>
£lus +	location		gefs	Lucre	direc	L.L
Sun ligh	t as	J.F.	is closer	+.	the	Sun.
and	location	<u> </u>	is fu-	Alur	from	4la
San s	د ددعو	c Go	c Coto		0	



This response was awarded two marks.

The candidiate has identified that location X is further away from the Equator than location Y (1) and has then developed this through the link to more direct sunlight being received at location Y (1). However, a second development point is not made as the reference to 'closer to the sun' is not creditworthy.



It is important to focus on both the command word and the number of marks available.

(ii) Explain one reason why location X receives a different amount of solar energy than location Y.

You must use evidence from Figure 6a in your answer.

(3)

Location X is closer to the eauafor tran location X. At the eauafor the suns rang are the nost concentrated as that is where the sun distributes me same volume of energy & over a smaner over. This increases the solar energy at the eautor increasing the amount of Golden energy per day location y has,



This response was awarded three marks.

The candidate has identified that location Y is closer to the Equator than location X (1). They have developed their answer through reference to the sun's rays being more concentrated at the Equator (1) and the same volume of energy being over a smaller area (1).

### Question 6 (c)

This 3 mark 'explain' question required the candidates to explain one meteorolgical cause of drought. While most candidates showed that they understood what 'meteorological' means there were some who wrote about other causes of drought (eg overuse of water by agriculture). One mark was awarded for identifying an initial cause (eg low rainfall) and two further development marks were then available for linked explanation. There were some very good answers which showed a clear understanding of the causes of drought, linking to a range of causes including shifting jet streams and the impact of cilmate change.

(c) Explain one meteorological cause of drought. (3) One meteorological cause of alrought is not enough rainsall in an area. This is because due to climen there is less raingall as there is less transpiration in theair.



This response was awarded two marks.

The candidate has low rainfall as a cause (1) and has made one development point by linking this to climate change (1).



Do not repeat the question in your answer – it wastes time.



(c) Explain one meteorological cause of drought.

One meteo rological cause of draight, is the milanhovitch cycle. solar variation, sunspots can be identified as dark cool potenes on the sun, they change about every 11 years and increased the output of energy of the Jun (more spots = more energy), on years where the sun has more sun spots, the earth gets hotter, leading to increased evaporation and thus drought.



This response was awarded three marks.

The candidate has identified increased temperatures leading to more evaporation as a cause (1) and has developed their answer through links to sun spots (1) and increased numbers of spots leading to more energy (1).



If the question asks you to explain 'one' cause it is important that you do not give a range of causes.

### Question 6 (d)(ii)

Q06(d) (ii) required candidates to measure the distance travelled by a tropical cyclone over a number of days. They needed to measure the distance using their ruler and then use the scale (1cm = 300km) to calculate the total distance travelled. A range of acccepted distances was given in the mark scheme to allow for variations in the distance measured by candidates. A mark was reserved for the answer (within this range) with the second mark being awarded for the working. This required candidates to show that they had multiplied their measured distance by 300 (showing use of the scale). In the case of a distance which was outside the accepted range, candidates would still be awarded a 'working mark' if they had shown this calculation. There is a space in the answer booklet for the final answer and it is very helpful if the final answer could be written on the answer line. However, if it is not written in this space but it is clear that the correct answer has been given, this will be credited.

(ii) Calculate the total distance travelled by Typhoon Ompong between 12-18 September 2018.

Answer to one decimal place.

You must show your working in the space below.

(2)

1cm-300 km

300 x 13.6=



This response was awarded one mark.

Although the candidate has not given a final answer, they have included the calculation showing a measured distance multiplied by 300 (1) and so have been awarded a mark for their workings.

(ii) Calculate the total distance travelled by Typhoon Ompong between 12-18 September 2018.

Answer to one decimal place.

You must show your working in the space below.

(2)

13 x 300 km = 3900

1=300

3900 km



This response was awarded two marks.

The candidate has given an answer within the accepted range (1) and has included workings showing the measured distance multiplied by 300 (1).



Remember to bring a pencil, rubber, ruler and calculator into the exam.

# Question 6 (e)(i)

Q06 (e) (i) required the candidates to identify the year with the highest number of tropical cyclones from a line graph. Most candidates found this a straightforward question and were awarded 1 mark.

# Question 6 (e)(ii)

As with Question 6 (b) (ii) this question required candidates to use a resource to help with their explanation. The AO3 mark was linked to candidates recognising from the graph that the number of tropical cyclones had increased over the period. The other two marks were then available for explanation of this increase. A range of possible development points could be made including links to climate change. This question was answered well by many candidates.

(ii) Suggest one reason for the overall change in the frequency of tropical cyclones between 1970 and 2020.

You must use evidence from Figure 6c in your answer.



This response was awarded two marks.

The candidate has identified that the frequency of tropical storms has increased (1) and has linked this to one development point relating to increasing temperatures (1).

(ii) Suggest one reason for the overall change in the frequency of tropical cyclones between 1970 and 2020.

You must use evidence from Figure 6c in your answer.

(3)

Because averall the earth as a whole is generally warmer than what it used to be due to more burning of fossil fuels but also oceanic circulation. the sea locach is generally wormer than what it used to be roughly around 27° or upove for a exceed to start in the ocean. So if there is an increase in the number of tropical cyclones, the world has generally become a warmer and more suitable condition for tropical cyclones.



This response was awarded three marks.

The candidate has identified that the frequency of tropical storms has increased (1) and developed this by making links to ocean temperatures being warmer (1) which they then link to the burning of fossil fuels (1).

### Question 6 (f)

The command word of this 8 mark question is 'evaluate'. This requires candidates to use evidence to determine the relative significance of something, giving consideration to all factors and identifying which are the most important. While the mark scheme identifies the indicative content, this is not an exhaustive list and candidates were awarded marks for relevant understanding and interpretation which were not listed. Ultimately, when deciding on the final mark, examiners use the level descriptors to allocate a 'best fit' to the response and then decide where the response falls within the level. The level descriptors are the same for all 'evaluate' questions within this paper and across all the papers in both GCSE Geography specifications.

In the case of 'evaluate' questions, the assessment objectives which are being examined are AO2 (4marks) and AO3 (4 marks). To secure the AO2 marks, in the context of this question, candidates were required to identify and explain the causes of climate change. While the question itself refers to human causes as the question is an 'evaluate' question, candidates could also include a consideration of physical causes in their answer. Most candidates were able to identify and explain some possible causes of climate change and there were many wide-ranging answers which included both human and physical causes.

In relation to the AO3 marks, the command word 'evaluate' required candidates to write a balanced argument which addressed the question. It also required candidates to write a logical answer where their argument makes sense and is supported by the evidence presented. Finally, the command word 'evaluate' does require candidates to come to a definitive conclusion. In the context of this question it could involve weighing up the relative importance of human and physical causes. Some candidates recognised that while over geological time physical causes are more important, over the past 100 years or so the evdience suggests that human causes are having a greater impact.

While there were examples of level 3 responses, many candidates got 'stuck' in level 2 because they did not make judgements, or they made judgements which were not supported by the evidence provided in their answer.

#### (f) Evaluate the following statement.

Human activity is the main cause of global climate change.

Human activities such as burning fossic fuels add to greenhouse gases. By Humans need energy as they can use it for daily improving their daily routine such as garning electricity Burning fossil fuels allow them to gain that energy However, fossic Luch contain cereau gases sine CO2 and metherne and when burnt they release these gases into the atmosphere, this would then contribute to the greenhouse eget and inwax grobal Climate change At the paperation increases these demands also increase. Lotely humans have been typing to use more sustainable methods of creating energy sources yet the main use still remains the ones that damage the environment

In addition, On the other hand, there a Deforestation is another human activity, by cutting down trees it means less exygen can be stored and gases one released, it is also mainly used for crops, extrapolation means dangerous chemicals ean be released and Ungation also means a lot of water is used creating a patential period of drought. However drought

can also be caused by natural factors such as hydrological and mutervolosical.

Human activities have increased the rate of climate Charage much more Significantly than anything natural



This response was awarded level 2 – 5 marks.

The candidate has focused on human causes of climate change with a partial explanation of the role of the burning of fossil fuels and deforestation. Although there is an attempt to draw an overall conclusion at the end this is limited (there is no examination of physical causes in the answer) and there are very few judgements through the answer. This answer needs to improve the AO3 elements in order to move into the top level overall.

(f) Evaluate the following statement.

Human activity is the main cause of global climate change.

This statement may be incorrect as global climate has always been changing wither as exident with ice ages, glacial and interplacial periods. This constant change in global temperature has constantly fluctuated and plummeted. The milanuovitch cycle also supports this idea as the eccentricity, earth's axis and precession also has caused climate change. A rounder eccentricity would have caused an interglacial period and an oval eccentricity weuld've coursed a glacial period. Other factor such as volcanoes and meteors affect climate change. Normally volcanicaltivity cause global temperature to rise however in 1815, the year without summer the soot from the vokance caused the rays from the sun to reflect of causing the world's temperature to decrease.

This statement may be correct as human's exploitation of natural resources such as fossil feuls and deforestation has caused climate change. Deforestation causes less (Oz to be absorbed, this exiess (Oz in the air causes the enhanced green have effect where theres gover go up in the atmosphere and block or retter map he sun's rays cousing global warming. Exploitation of fossil fews cause combusion and production of Co, which causes global warming.

In my opinion, his statement is incorrect because dimate

change has always taken place however humans have just caused climate change to take place at a rapider roser rete.



This response was awarded level 3 – 8 marks.

The candidate has provided a range of human and physical causes which are developed well. They have also made judgements through their answer and has an overall concluding paragraph at the end.



Make sure that you know what the differences are between the command words 'assess' and evaluate'.

### Question 7 (b)

As a 2 mark explain question, Q07 (b) requried candidates to identify a way that altitude affects the distribution of temperate forests. One mark was awarded for the reason (eg too cold in higher altitudes) and the second mark was awarded for the affect on the distribution (eg less temperate forests in mountainous areas). While most candidates who were awarded two marks focused on the temperature, some did link it to the nature of soils in mountainous areas.

(b)	<ul> <li>Explain one way that altitude may affect the distribution of the temperate forest ecosystem.</li> </ul>							
		(2)						
************	Is the astitude is here the ecosystem may not	18777777 PPF888888448++++++++++						
	review enough similars and so low preupitaria	n and						
	In temperates could cours.	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,						



This response was awarded one mark.

The candidate has identified that higher altitudes have lower temperatures (1) but has not made a link to the impact on the distribution of the temperate forest ecosystem.

(b) Explain one way that altitude may affect the distribution of the temperate forest ecosystem.

(2)

As the altitude increases, precipitation temperature decreases and precipitation decreases, meaning us temperate forest ecosystems.



This response was awarded two marks.

It identifies lower temperatures as altitude increases (1) and makes a link to the distribution of temperate forests (1).

# Question 7 (c)(i)

In this question, candidates were required to calaculate a percentage using the data provided. They were given the 'total catch' figure and so did not need to work this out. One mark was awarded for the correct answer and the second mark was awarded for appropriate workings. Some candidates did not give the answer to one decimal place and therefore did not gain the mark for the correct answer.

(c) Marine ecosystems in the UK are an important resource.

Study Figure 7b below.

Seven main fish species caught	Weight of fish caught (tonnes)
Mackerel	152 100
Herring	75 500
Blue whiting	60 800
Haddock	33 800
Cod	29 000
Monkfish	17 700
Saithe	15300
Total catch	384 200

Figure 7b

## Seven main fish species caught by UK vessels in 2019

(i) Calculate the weight of cod caught as a percentage of the total catch.

Answer to one decimal place.

You must show your working in the space below.

(2)



This response was awarded one mark.

The candidate has shown the correct workings (1) but rounded their answer up instead of down so a mark is not awarded for the given answer which is incorrect.

(c) Marine ecosystems in the UK are an important resource. Study Figure 7b below.

Seven main fish species caught	Weight of fish caught (tonnes)
Mackerel	152 100
Herring	75 500
Blue whiting	60800
Haddock	33 800
Cod	29000
Monkfish	17700
Saithe	15 300
Total catch	384 200

Figure 7b

# Seven main fish species caught by UK vessels in 2019

(i) Calculate the weight of cod caught as a percentage of the total catch. Answer to **one** decimal place.

You must show your working in the space below.

(2)



This response was awarded two marks.

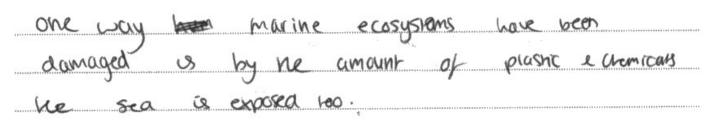
The answer is correct (1) and accurate workings are shown (1).

### Question 7 (c)(ii)

This question was answered well by most candidates. The first mark was awarded for the human activity and the second mark was awarded for a linked impact on marine ecosystems. A wide variety of answers was seen.

(ii) Explain one way humans have damaged marine ecosystems.

(2)





This response was awarded one mark.

The candidate has identified a way in which human activity damages marine ecosystems (1) but has not developed this through explanation.

(ii) Explain one way humans have damaged marine ecosystems.

(2)

Plastic waste gets thrown into oceans. Fish then eat the plastic which is narmful and therefore die. This decreases biodiversity in marine ecocystems.



This response was awarded two marks.

The candidate has identified a way that human activity damages marine ecosystems ('plastic waste gets thrown into oceans') (1) and has developed this through explanation ('fish eat the plastic which is harmful') (1).

### Question 7 (d)

Q07 (d) was answered well by most candidates. A small proportion of candidates referred to tropical rainforests or boreal forests. Although these have the word 'forest' within the answer, they are not appropriate answers for the UK.

(d) Name one of the main terrestrial ecosystems in the UK.

Amazon vainfored



This response was not awarded a mark.

Although the word 'forest' is included in the answer, the Amazon rainforest is not an ecosystem in the UK.

Name **one** of the main terrestrial ecosystems in the UK.

(1)

# Moorlands



This response was awarded one mark.

The example given is correct.

# Question 7 (e)

Q07 (e) required candidates to interpret a photo resource. A mark (AO3) was reserved for evidence from the photo with the remaining 2 marks being awarded for development through explanation. Most candidates were able to suggest a relevent adaptation with many being able to make linked development points.

(e) Study Figure 7c in the Resource Booklet.

Suggest one way that the vegetation shown in Figure 7c has adapted to the tropical rainforest environment.

You must use evidence from Figure 7c in your answer.

in tiquie 7c, buttiess adapted help suppo Soil nutilAts needs.

(3)



This response was awarded two marks.

The candidate has identified buttress roots from the photograph (1) and has then developed this with one linked strand through the roots providing support to the tree (1).

#### (e) Study Figure 7c in the Resource Booklet.

Suggest one way that the vegetation shown in Figure 7c has adapted to the tropical rainforest environment.

You must use evidence from Figure 7c in your answer.

(3)



This response was awarded three marks.

The candidate has identified that the plants have larger leaves from the photograph (1) and then has two strands of development catching more sunlight (1) and producing more energy in order to grow faster (1).



Read the question carefully and try to leave time at the end of the examination to check your answers.

### Question 7 (f)

Many candidates were able to gain at least two marks on this question. They were able to identify examples of threats to the biodiversity of tropical rainforests. However, there was a greater challenge in explaining how climate change was leading to these impacts. Simply stating that climate change was leading to 'increased temperature' or 'lower rainfalll' which then led to these impacts was insufficient for the remaining two marks. As shown in the mark scheme and the example answers, candidates needed to make links to changes such as 'greater droughts' or 'soils becoming drier'.

(f) Explain two ways that climate change is a threat to the biodiversity of tropical

	rainforests.		inversity of dopical
1	Destroys	habitats	(4)
	,		
*******			
······	Deforest	ation	



This response was awarded one mark.

A mark was awarded for the destruction of habitats which is an impact of climate change. A mark was not awarded for 'deforestation' as this is a cause rather than a consequence of climate change.

(f) Explain two ways that climate change is a threat to the biodiversity of tropical rainforests.	
(4)	
I herere not for temperatures can course vegetourism to Lote Les bed	4
to it steer are understed to bisher serven and Their leads on a break	
to if they are undapted to hisper temperatures. This leads as a bossif his best of which can be lead to an establishment of species.	V1111111
nobilets, and some con the los to a sestiment of square	44441411
(less hims)	
2 Climace change can course on Lower or climac or which can course	
and their not used to the change to bill hour discounting	
we be food that is the tropical nonforcer	
The state of the tropical navigarist	



This response was awarded four marks.

The candidate has identified two ways that climate change is a threat to biodiversity both with developed strands. The first point makes a link between the loss of habitats (1) and vegetation dying because it cannot adapt to the higher temperatures (1). The second point links the fact that plants and animals can not adapt to the changing temperatures (1) and that food chains are disrupted as a result (1).

# Question 7 (g)(i)

Q07 (g) (i) required candidates to plot a bar chart accurately which most of them were able to do. They were not required to shade the bar in. Some candidates missed this question out completely and it is important that they read through every part of the paper.

(g) Deciduous woodlands show a range of distinguishing features. Study Figures 7d and 7e below.

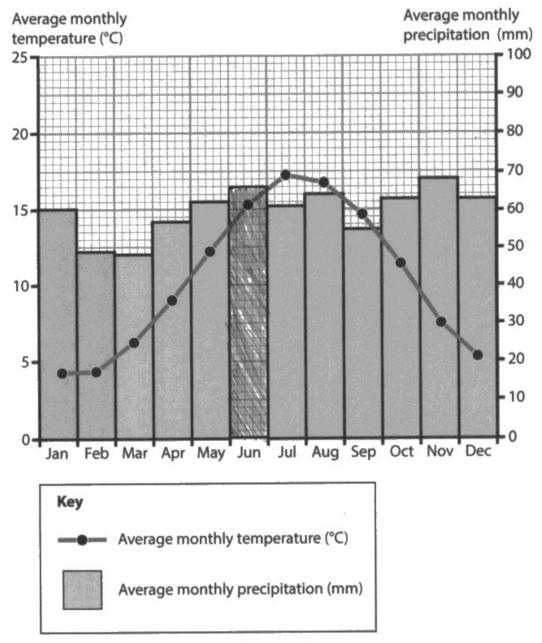


Figure 7d Climate graph for an area of deciduous woodland in the UK

	Jan	Feb	Mar	Apr	May	June	Jul	Aug	Sept	Oct	Nov	Dec
Average monthly temperature (°C)	4.6	4.7	6.4	9.0	12.3	15.3	17.3	16.8	14.6	11.4	7.5	5.3
Average monthly precipitation (mm)	60	49	48	57	62	60	61	64	55	63	68	63

Figure 7e Data for the climate graph shown in Figure 7d

(i) Plot the June precipitation total on Figure 7d.

(1)



This response was not awarded a mark.

The bar has been plotted incorrectly (it is too high).

(g) Deciduous woodlands show a range of distinguishing features. Study Figures 7d and 7e below.

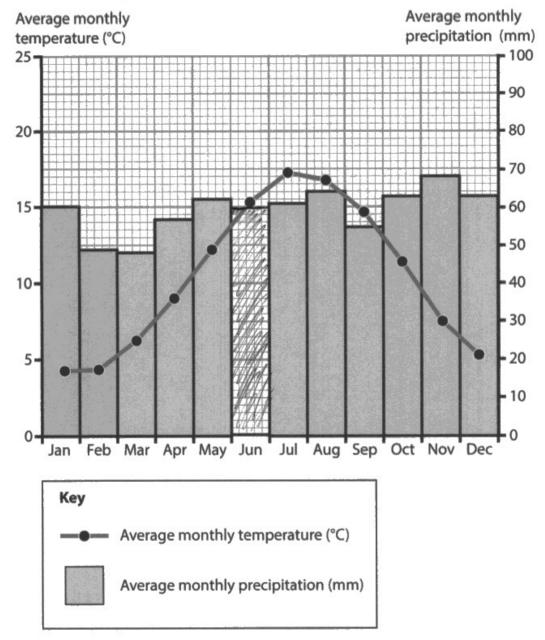


Figure 7d Climate graph for an area of deciduous woodland in the UK

28	Jan	Feb	Mar	Apr	May	June	Jul	Aug	Sept	Oct	Nov	Dec
Average monthly temperature (°C)	4.6	4.7	6.4	9.0	12.3	15.3	17.3	16.8	14.6	11.4	7.5	5.3
Average monthly precipitation (mm)	60	49	48	57	62	60	61	64	55	63	68	63

Figure 7e Data for the climate graph shown in Figure 7d

(i) Plot the June precipitation total on Figure 7d.

(1)



This response was awarded one mark.

The bar has been plotted correctly.



When plotting bar graphs make sure you use a ruler rather than drawing freehand.

# Question 7 (g)(ii)

In this question, candidates were required to calculate the mean value of a set of monthly temperatures. This question required candidates to give the correct answer and to show their workings. If the candidate gave an incorrect answer but showed correct workings they were awarded 1 mark. This could include where they had added the monthly temperatures up incorrectly but had then shown that this calculated number had to be divided by 12. Some candidates lost a mark because they did not follow the instruction to give the answer to one decimal place, while others lost both marks as they calculated either the median or the mode.

(g) Deciduous woodlands show a range of distinguishing features. Study Figures 7d and 7e below.

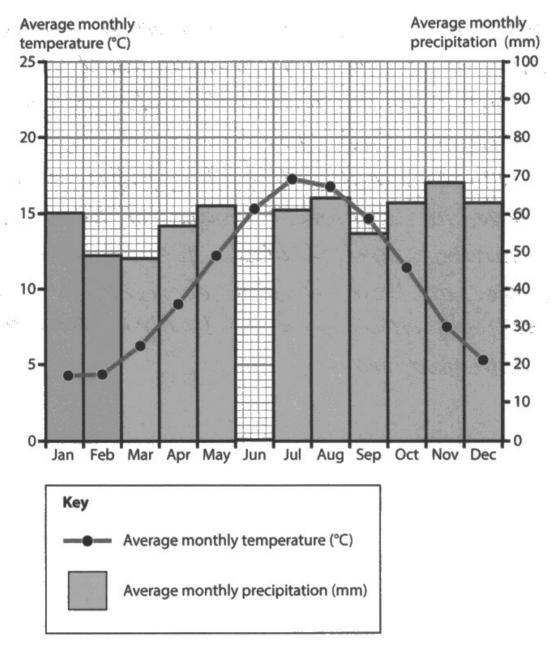


Figure 7d Climate graph for an area of deciduous woodland in the UK

	Jan	Feb	Mar	Apr	May	June	Jul	Aug	Sept	Oct	Nov	Dec
Average monthly temperature (°C)	4.6	4.7	6.4	9.0	12.3	15.3	17.3	16.8	14.6	11.4	7.5	5.3
Average monthly precipitation (mm)	60	49	48	57	62	60	61	64	55	63	68	63

Figure 7e Data for the climate graph shown in Figure 7d

(ii) Calculate the mean of the average monthly temperatures shown in Figure 7e.

Answer to one decimal place.

You must show your working in the space below.

(2)

10.4 0



This response was awarded two marks.

The correct answer is given (1) and accurate workings shown (1).

(g) Deciduous woodlands show a range of distinguishing features.
Study Figures 7d and 7e below.

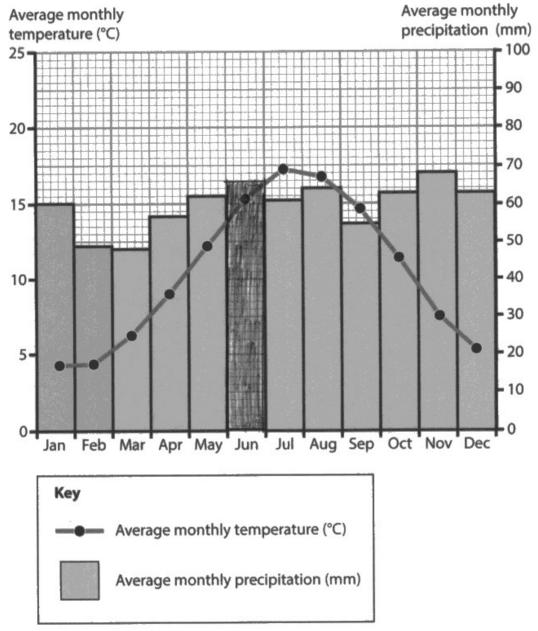


Figure 7d

Climate graph for an area of deciduous woodland in the UK

	Jan	Feb	Mar	Apr	May	June	Jul	Aug	Sept	Oct	Nov	Dec
Average monthly temperature (°C)	4.6	4.7	6.4	9.0	12.3	15.3	17.3	16.8	14.6	11.4	7.5	5.3
Average monthly precipitation (mm)	60	49	48	57	62	60	61	64	55	63	68	63

Figure 7e

Data for the climate graph shown in Figure 7d

(ii) Calculate the mean of the average monthly temperatures shown in Figure 7e.

Answer to one decimal place.

You must show your working in the space below.

125.2 -12=10.43

10.43 ℃



This response was awarded one mark.

Although correct workings have been shown (1) the answer is incorrect as it has been given to two decimal places rather than to one decimal place (as required by the question).

# Question 7 (g)(iii)

Q07 (gi (iii) required candidates to identify two ways that deciduous woodlands can provide goods and services. They could have identified two different goods or two different services or a combination of the two for full marks. A wide range of examples was given ranging from timber for making furniture to the provision of a habitat for animals and plants to live in.

(iii) Explain two ways that deciduous woodland ecosystems can provide goods

and services.	(4)
more habitats for animals.	
2 Provides food for animals	
and humans	



This response was awarded two marks.

The candidate has given two different examples of goods or services provided by deciduous woodlands but neither of them have been developed.

and services. (4)(hestruts are harvested which

(iii) Explain two ways that deciduous woodland ecosystems can provide goods



This response was awarded four marks.

Two different examples of goods provided by deciduous woodlands have been given and both of them are developed. The first point identifies that wood is cut down (1) and develops this by stating that it is used to make furniture (1). The second point identifies that chestnuts are harvested (1) and that these can be eaten (1).

### Question 7 (h)

The final question on the paper proved challenging for some candidates with a significant minority not even attempting to answer it. This means that not only did they miss out on the 8 marks but they also failed to achieve any of the 4 SPaG marks which are linked to this question. Even if the candidates had only score level 1 – 1 mark for the content they may still have gained some of the SPaG marks and should be encouraged to attempt it.

The final question on the paper will always link at least two parts of the Topic C content. In this case it linked 3.6b and 3.7c.

For the AO2 marks, candidates were expected to recognise that there is a range of ways in which human activity is impacting on deciduous woodlands ecoystems. While most of these are having a negative impact there are some examples of ways in which human activity can protect these areas. Locational knowledge could be used to support the understanding shown and there were some good examples of located woodlands with specific activities and impacts identified. In terms of the range of impacts required, level 2 was likely to be achieved on this element through 2-3 impacts while 3-4 impacts were likely to be awarded level 3 (depending upon the quality of explanantion).

In relation to the AO3 marks, the command word 'assess' requires candidates to write a balanced argument which addresses the question. It also requires candidates to write a logical answer where the argument presented makes sense and is supported by the evidence presented. Finally, while not requiring a final concluding paragraph, the command word 'assess' does require judgements to be made. In the context of this question, this required candidates to weigh up the relative impact of human acitivity. This could be linked to the scale of impacts; whether the impact was largely positive or negative or in terms of the relative imapct of human and physical factors. While there were examples of level 3 responses, many candidates got 'stuck' in level 2 because they did not make judgements, or they made judgements which were not supported by the evidence provided in the answer.

This question also has 4 marks allocated for the assessment of spelling, punctuation, grammar and use of specialist terminology (SPaG). Obviously, candidates will not be awarded any of these marks if they do not answer the question or if their response does not achieve any marks for the 8 mark part. The use of paragraphs is one element which contributes to this mark and should be encouraged as it helps to structure candidates' responses.

(h) Assess the importance of the impact of human activity on deciduous woodland ecosystems.

(8)

Within Lecihuous wookants Human achivity has a large impact on becilious woohlanks. In the New Forest, paths are make around the forest which are not used as they are should, people walk off the path and Elestray native species of plants which decrease the bisaiversity of the area. As well as walking over plants, Littering is a large problem not just in the New forest but accross the worth, animal who live in these forest may eat them which may cause them to wie. Bin are placet around but are not useh which can over time destroy the forest. In the New forest, horeses/ponies are able to room Greely within the forests and the village, hivers who don't watch their speek in their car may hit a ponig and but its which isn't will becrease the amount of species of in that OURCA.



This response was awarded seven marks overall – level 2 – 4 marks for the content and 3 marks for SPaG.

In terms of the actual answer, it identifies several ways in which human activity affects deciduous woodlands. There is some located knowledge and attempts have been made to explain the impacts. There is some attempt to qualify the scale of the impacts (eg 'human impact has a large impact' and 'littering is a large problem') although these are limited.

(h) Assess the importance of the impact of human activity on deciduous woodland ecosystems.

(8)

One human activity that effects abuduous woodlands is firsty, which is an important industry to provide building materials. This can damage the crosseters by decreasing the quantity of vegetation and coursing massive disruption to the woodlands all growth. Howeve, this can be mitigated by owciding cetting down old growth and by using techniques such as coppicing to allow the woodland to grow back rapidly. These techniques con be excavaged by programmer such as the Farest Marque in the New Forest, which Sources that businesses use extendely cared local timber, allowing consumes to make more informed decisions. This is widely Sustainable frestry is widely practical by organisations such as the firestry comission, so the impact on is fairly limited, and can actually be beneficial as it makes way for new growth. Another human activity that impacts decideous woodlands is Sourism. This can cause substantial damage to the outro erasystem as touists lead to trample vegetation and ests and destroy of plantife on verges by parting their cars their there. They can also engage is hamful activities such as fre lighting. Howeve, is many wear the impact of buien is limited. For example, in the New Fares r a parts have been with to decrease parting on veges and the New Forst Tow (which is an open top bus icle through the forest) recluses troffic overall. Furthermore, educational leafest such as Five ways to love

the first in the New Forest trait the discourage people from currying out

enironmentally hamful activities In some cases, human archities can be bereficial to the erosystem, such as which an dear the prost flow and make way for new the impact of human activities such as pest, however those impacks can be mitigated through measures to eisure that those activities remain



This response was awarded the full twelve marks – level 3 – 8 marks for the content and 4 marks for the spelling, punctuation, grammar and use of specialist terminology.

The response is clearly structured using paragraphs and is focused on the question. A range of impacts is identified and explained with supporting located knowledge. Reference to the scale of some of the impacts provides an element of judgement. There is also an overall concluding paragraph providing further judgement although this is not required by an 'assess' based question.



Using paragraphs to organise a longer response is effective. Writing a very short plan in the margin is also a useful strategy to ensure that the answer remains focused.

#### **Paper Summary**

Based on their performance on this paper, candidates are offered the following advice:

- Ensure that you are familiar with the command words used in the specification. For example, the difference between what is expected for 'assess' and 'evaluate'. Candidates should be reminded that 'assess' questions require evidence to determine the relative significance of something, considering all factors and identifying which are the most important. 'Evaluate' questions require candidates to measure the value or success of something and, ultimately, provide a substantiated judgement/conclusion.
- In questions where there is reference to a resource, it is important that evidence from the resource is used to answer the question as these are targeting AO3 (application of knowledge and understanding).
- In the 8 mark 'examine' questions in Section A, candidates must use evidence from the resources in their answers rather than simply repeating what they have learnt and revised. The information extracted from the resources should be used to support their answers. Making clear reference to the resource in their responses (eg 'Figure 3a shows that... ') may help ensure that the candidate does use this evidence. This will mean that candidates' answers are specific to the locations and/ or features shown in the resources rather than being generic answers which could apply to anywhere. As a guide, 2-3 pieces of evidence are required for level 2 and 3-4 pieces for level 3.
- In questions where they are asked to develop a single reason, it is important to ensure that the appropriate number of links in the explanatory chain are developed. The number of marks should be used as a guide to this. If a question asks the candidate to explain one reason, then the development points need to be linked to this initial reason rather than simply writing down several unlinked points or identifying several different reasons. Using connectives such as 'therefore' and 'as a result' will help to ensure that points are linked.
- There will always be a few questions that require candidates to perform a calculation (AO4). It is essential that candidates have a calculator with them. It is also important to read the guestion carefully. For example, if the guestion states that they should 'show your workings' or give the answer to one decimal place it is important that they do so.
- Centres should spend time reviewing the specimen and live papers to ensure that they are familiar with key vocabulary which is being used in the questions – both in terms of key geographical terms (eg 'biodiversity' and 'meteorological') and words which provide the 'slant' to the question (eg 'characteristics', 'distribution' or 'frequency'). This will also ensure that candidates are familiar with the structure of the paper and will hopefully avoid situations where the rubric has not been followed.
- Centres should prepare candidates for the exam using the wording of the specification and relate this to the content taught, so that candidates are familiar with question wording used in the examination.

## **Grade boundaries**

Grade boundaries for this, and all other papers, can be found on the website on this link:

https://qualifications.pearson.com/en/support/support-topics/results-certification/gradeboundaries.html

