

Examiners' Report June 2022

International GCSE Geography 4GE1 01



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Introduction

The first sitting of this specification for Pearson Edexcel International GCSE Geography took place in 2019. Due to the pandemic, there were only small entries for this exam in 2020 and 2021. This Examiner's report is intended to provide an insight into performance on Paper 1 Physical Geography, in particular, analysing the majority of questions in terms of what went well and where common mistakes and underperformance were evident.

This paper consists of two sections from which candidates answer two 25-mark questions from Section A and one 12-mark question from Section B. This year the total mark for this paper was 62, as there were only questions focused on unfamiliar fieldwork contexts in Section B resulting in less marks awarded in the fieldwork section. However, the length of time for the exam remained the same.

The exam includes multiple-choice questions, short, open response, calculations and extended response questions. The exam command words which are used in the paper are defined in the specification. Each of the questions is mapped to one or more of the Assessment Objectives (AOs).

In **Section A,** River Environments, Coastal Environments and Hazardous Environments are covered. Candidates are required to select two out of three questions.

In **Section B,** candidates choose one out of three fieldwork related questions relating to River Environments, Coastal Environments and Hazardous Environments.

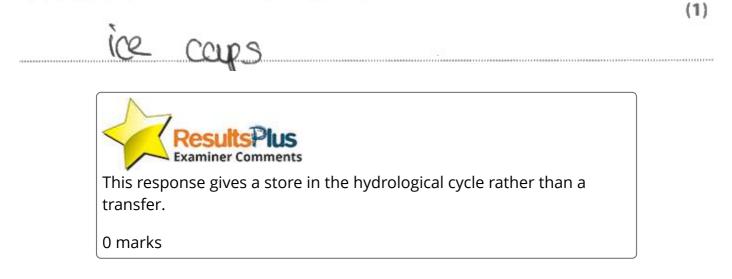
It is important that candidates focus on the requirements for each command word and the Assessment Objective (AO) distribution, particularly for the longer response 8-mark questions, to ensure they access the full range of marks available.

Question 1 (b)(ii)

In this question, candidates are required to identify one transfer within the hydrological cycle.

For these low tariff questions, candidates need to ensure that they have a clear understanding of key words and what they relate too.

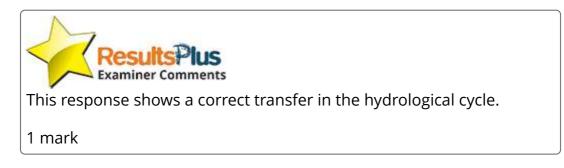
(ii) State one transfer in the hydrological cycle.



(ii) State one transfer in the hydrological cycle.

(1)





Question 1 (c)

This question required candidates to explain how solution (corrosion) erodes the river channel.

Some candidates mixed up solution for abrasion or attrition and so were awarded zero marks.

Many candidates scored one mark for correctly stating the idea that material is dissolved, but often went on to state that this was due to corrosion. As this is in the question, it could not be credited for the second mark. The responses awarded two marks correctly explained that acid causes the material to be dissolved or that it was a result of water flowing past.

Question 1 (d)

This question required candidates to use Figure 1a, which showed details of flood preventions measures in York, to explain an advantage and disadvantage of the measures shown.

The credit for these type of 'explain' questions comes from correctly identifying an advantage/disadvantage from a strategy shown in the resource (AO3) and then developing this to explain its impact (AO2).

Candidates were not awarded for just lifting a strategy written in the resource. The 'advantage' part of this question was answered less well than the 'disadvantage' part of the question as many candidates only directly lifted the text 'protects 56 homes and businesses from flooding'. The 'disadvantage' part of the question was answered well with many candidates using the idea of '14 trees are removed' and developing to identify the impact on rates of infiltration/surface runoff and developed this to link to increasing flood risk.

(d) Study Figure 1a in the Resource Booklet.

Explain **one** advantage and **one** disadvantage of the flood prevention measures shown.

Advantage Since the height of the flood defenses in the can being inmed it protects 56 hours and buisnesses from flow ding. This can Sure peoples planes from Loing flooded and Same may jobs for the people they work in the buisnesses, since it inners float prevation Disadvantage The disaductore of the flow of prevention is that the defenses are hard engineering which mes they don't lack natural and quite using. Despite their effectionss it will reduce the amount of theirs but visit the anna Also 14 trees a getting remand which is keizang into deforestation.

(4)



The advantage clearly uses evidence from the resource, but develops this idea to explain that this saves jobs of people working in the businesses.

The disadvantage also uses the resource to gain the AO3 credit – 'use hard engineering which don't look natural' – and develops this for the AO2 credit – 'which may reduce tourists that visit'.

(d) Study Figure 1a in the Resource Booklet.

Explain **one** advantage and **one** disadvantage of the flood prevention measures shown.

A A start	(4)
Advantage January	and can be
depres a d	wast higher
Hard engineering " is more effective and will lost	- locager A
than soft engineering, as less permeable materi	als like
concrete are used, rather than sand & for emban	lements which
can be unshed away.	
Disadvantage	
Trees must be removed, which destroys habitat	val may
decreese biodiversity in the area making th	e ecosystem
Ters stable due lo a possible decrease in complexity	y of the
food web.	



The advantage gains the full two marks: for the AO3 – 'hard engineering is more effective' and for the AO2 – 'as it lasts longer than soft engineering'

The disadvantage also gains the full two marks: for AO3 – 'trees must be removed which destroys habitats' and for the AO2 – 'which may decrease biodiversity in the area'.

Question 1 (e)

Candidates were asked to explain the influence of urban land use on river regimes.

Generally, this question was answered well with many candidates awarded full marks. However, a number of candidates were confused by the term 'river regime' and instead explained the impact of pollution (often agricultural) on water quality in a river. Another misconception was candidates understanding of the term 'urban land use' as a few candidates responded using arable land use examples.

It is important to ensure candidates have a clear knowledge of geographical terminology to avoid misinterpreting the question.

(e) Explain how urban land use can affect river regimes.

Roads and parements are often make of concrete, which inpermeable. This means that ninfall will run straight of to niver, decreasing lay time. ll ununease, pos > capacity, cousu

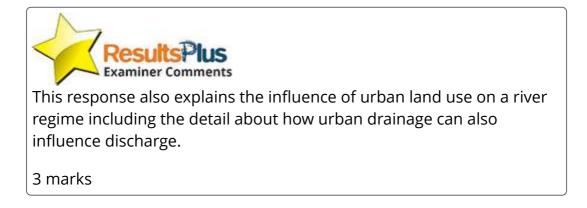
(3)



This response clearly explains the influence of urban land use on the discharge of a river.

(e) Explain how urban land use can affect river regimes. SUIFACE FUNOFF.

In urban aveas there are more imperimeable surfaces such as concreate and tarmac, which reduce infiltration of worlder into the ground, so there is more surface run off. This along with man-mode surface such as drains mean that water reaches the main channel faster - so the lag time is reduced.



Question 1 (f)

The majority of candidates were able to identify peak rainfall as the feature labelled on the hydrograph.

(3)

Question 1 (g)

This question required candidates to explain how erosion forms a waterfall.

Generally, the majority of candidates were able to score some marks on this question. Candidates who scored 3 or 4 marks tended to use more specific geographical terminology and were able to explain a sequence of events. A few candidates explained the formation of a meander rather than a waterfall, which were awarded zero marks. In some instances, diagrams were used to good effect to show more clearly what was explained in the written response.

(g) Explain how erosion can form waterfalls. creates gorge harder more resistan ullaction; sheer force of evolion VUCK plunge pod. creas waterfull 6 and causes resistant to overhanging erosion forme wate/full; erasion rocks. - haydrowlic action erodes underaithin ft reckerenting plug orrasien & consta Cautes Swirlbool rock to crumble att making bits underen rale e. Corrasion + Cavitation furthe enlarges plugepool rocks fallen from hardrock enter plunpepad and in Swirl pocl: abrasion and attrition happens further county under outting. denn less resignent recte in creating pungepoint where a abrasion further enlarges fim overhay of hard velle which anthing and in aninped undergo attrition of waterfull.



This response shows how to achieve full marks using an annotated diagram.

There is clear detail about the different types of rock: undercutting, collapsing overhand and retreat upstream.

4 marks



Annotated diagrams are as effective in achieving full marks as purely written answers.

vock is on top of the soft rock, the had is evaled by hydrauliz actives. This forms rock on overhang as the soft rock is less my by hydrawl action and Wears an forms a plange pool as by the hard rock overhang monthy. The Mro physe pool which is abasin The nto he crashing allaho over bed pebbles banging , rounding regette and The each Or



This response clearly explains the sequence involved in waterfall formation.

They explain the role of different rock types, the formation of an overhang and detail about the specific type of erosion that creates the plunge pool and the fact the overhang collapses.

Question 1 (h)

In these 8-mark extended writing questions, candidates are required to blend their use of the resource (AO4) with their own knowledge and understanding of the issue presented (AO3). Therefore, they are not case study questions, rather they require the candidates to apply their geographical understanding to the context shown in the resource.

Many candidates clearly used the resource to describe the issues created as a result of this dam being built. Although, there were some common misconceptions about the Nile flowing North to South and therefore Egypt having control over the water rather than Ethiopia. Some responses were less focused on supply and demand.

To access the higher marks candidates need to go beyond simply describing what is shown in the resource, but provide several clear developed reasons for the importance of this dam on water supply and demand. The command word 'analyse' needs to be addressed to achieve full marks and many candidates found this challenging as there was often minimal judgement demonstrated in candidate responses. (h) Study Figure 1c in the Resource Booklet.

HEP largest (4 Equpt - limit have many presh Ethiopia is a landlacted country which does not Ethiopia, water resilucios. As seen in pigle, in the dan will provide juid and greich water. For example, He Million 101 and 3 90.000 lorgest in the world dom China, which He M 15 provides for 14 million people, further more, dans con be a good way 10 wordge be the controllar. At It also creates resivoirs of flood rish os the water con 74 billion cubic netres as seen in fig (c - for Ethropian, which can eliminate arought However as seen figle it will have a large effect on Egypt. There ١٨ that it could limit water supplies to Equipt and 95% CONFOLUT one the title Nile. Building a of water in Equipt is from dan upitrean the down stream also limit Suply ond wale (create COL (less that 1900 m per person per year). Also Shess provers will tappts have los rubition soil Hene les alluvium sill will and as Yoods, the and bursts souten the over the water its bonlas, There will produce a smaller yield. This could the helds economy of lairo the horm

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Analyse the importance of this dam for managing the demand and supply of water. rost en ui ranvoul dishing (8) Frede cutura! Plan people movert

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Equipt.

However, the regative effects in ethiopic one that many people will have to more. When building the 3 gages don, 1.4 nullion people had to move and \$000 cultural sites were do strayed. Also, the wallow will dostroy wildlife and create draughts down stroam. The decrease of dee trees will cause landslides and there will be limits is lowladed, this could horn its provers to trade. And due to the yest that Ethiopia A (Total for Question 1 = 25 marks)

However the dom will be the Aprica's lorges hydroeloctin power project totand would be a source of renowable anorgy that would not born the environment. The 30 proges dom provided 10% of china's whole average and was the some every as SO million to mas g coal. Therefore loss caloon would be related in the contruction g the Grand Ranaissance dam. Also cities eg Addis Alba ba with emp will have nove every and cald inonesse its donary. The averagy call also be sold to reighbouring countries e.g. Ughad, South Sidon, Sudan as seen in Eng Fig (c. This would increase the economy of Gluppia and help it develop



Although this response is not perfect, it is detailed enough for a Level 3 response.

The candidate has clear evidence of engaging with the resource (AO4) and clearly demonstrates their understanding of the issue (AO3). Although they use China as an example, it is used to support their argument about the dam shown in the resource and therefore, is creditable for AO3.

There is use of 'analyse' throughout their answer with terminology like 'however', 'good way', 'therefore', 'furthermore'. This candidate also links the issue to drought and flooding which further supports the ideas linked to water supply. The ideas linked to food supply (fishing and crops) are implicitly linked to water demand and they have the idea linked to HEP at the end which is relevant AO4, but less focused on supply and demand.

Question 2 (b)(ii)

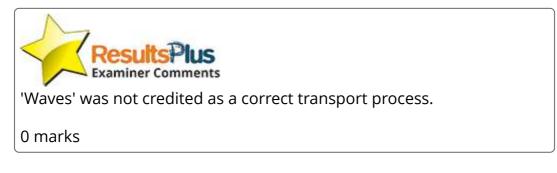
In this question, candidates were required to state a type of transport that occurs along the coast.

Candidates have a clear knowledge of different transport processes with a high proportion of candidates gaining credit. A very few candidates stated a type of erosion rather than transport.

(ii) State one transportation process that occurs along a coastline.

(1)





(ii) State one transportation process that occurs along a coastline.

(1)



Mass movement is not a correct transport process.

0 marks

May maronet

(ii) State one transportation process that occurs along a coastline.

Long-Shore drift



Longshore drift was the most commonly named transport process.

1 mark

(1)

Question 2 (c)

In this question, candidates were required to explain one way to reduce the impact of coastal flooding.

Candidates were awarded for explaining a strategy that reduces the impact of a coastal flood, including points linked to soft engineering, as well as points linked to hard engineering preventing coastal flooding which leads to there being no impacts as no flood occurs.

The majority of candidates were awarded the full two marks on this question.

(c) Explain one way to reduce the impact of coastal flooding. (2)ant pourbar of third ad unm Sea wal approach somer the beach. Therefore, the way damage retreats and any NOF cause 04 life or and mone This is an example of how hard engineering was credited as a way to reduce the impact of coastal flooding. 2 marks

(c) Explain one way to reduce the impact of coastal flooding.

TO put in place on advanced worning byltem to hup people to for the flood and to reduce domage to property and deather This is an example of how candidates used the idea of forecasting to

(2)

2 marks

help reduce damage.

(c) Explain one way to reduce the impact of coastal flooding.

: (2) one way to reduce the impact of coustal xleoding 5 building glood proof houses raised og the ground on stills this will mean that water doesn't get into the house and destrong peoples belongings, have reduing the inpact



Question 2 (d)

This question required candidates to use Figure 2a, which showed details of coastal management strategies for a coastline in South West Spain, to explain two reasons why there may be conflict over the coastal management strategies chosen.

The credit for this type of 'explain' question comes from correctly identifying a possible conflict from the information given in the resource (AO3) and then developing this to explain why this causes conflict (AO2). Candidates were not awarded for just lifting a strategy written in the resource.

Candidates, on the whole, understood the idea of conflict and used examples of coastal management shown in the resource. The better responses used a specific conflict between locations or explained potential conflict between two interested parties within the same location. A few candidates were less clear on the idea of conflict and gave simple advantages and disadvantages of the strategies shown in the resource which often limited responses as conflict was implied rather than explicit.

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

Explain **two** reasons why there may be conflicts over the coastal management strategies chosen.

1 IN EL ZABAL, there U nu ach un hwards (coustal management (this is managed verseat). conservation nuis will be happy with this ophium as they want to conserve nature however bussiness ownes want be happing because they want to protect in calleta de vélez, nowed where want he nappy with galians and sea wall as it works unmatractive and unmatyral numere business owners will be happing with this shategie as it protects their businesses.

This candidate has given two conflicts relating to different interested parties within the same location.

Demonstrating clear AO3 and AO2 – 4 marks

(4)

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

Explain **two** reasons why there may be conflicts over the coastal management strategies chosen.

(4)

1 In ELZABAL, buisness owners may to jeel neglected that more has been to strategies Set 10 protect mis areas 3 hat meir buissnesses are at risk especially so close tome sea 2 In perert Banus if mere are tourists it is managed remeat so to not make me area unattractive so people still visit but residents may feel unprotected Brught something put in place somey don't have to leave



This response has clear AO3 credit with specific links to the resource. In the first answer, the conflict is more implied but still worth two marks – 'business owners may feel neglected' (1) because there are no strategies which puts their business at risk (1).

The second conflict is clear as they explain the views to two groups tourists and residents.

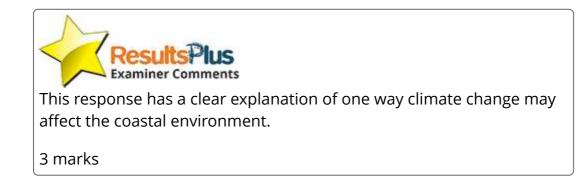
Question 2 (e)

Candidates were required to explain one way climate change may affect coastal environments. This could be linked to coastline flooding and erosion as well as other coastal environments such as coral reefs and mangroves. In this question, candidates are required to focus on one idea and develop it in detail to access the 3 marks available.

The majority of candidates achieved full marks, clearly explaining the impact of climate change.

(e) Explain one way climate change may affect coastal environments.

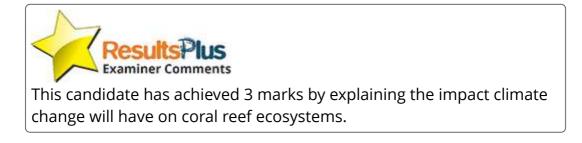
(3) alla IG MIDE. COUNSOS low-lying land WARASON . e coost



(e) Explain one way climate change may affect coastal environments.

. Global warming may cause coral reefs to die, or their optimum temperature is between 27°C-27°C. As sea temperature and acidity rises due t increased LO2, the coul reefs will undergo bleaching where the zocanthalac are expelled, meaning the coval will be windle to make . tood for itself and therefore eventually die

(3)



Question 2 (f)

The majority of candidates correctly identified the type of wave shown.

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Question 2 (g)

This question required candidates to explain the formation of a cave.

Generally, the majority of candidates were able to score some marks on this question. Candidates who scored 3 or 4 marks tended to use more specific geographical terminology and were able to explain a sequence of events. However, some candidates confused the formation of a cave with headland and bay formation and also the formation of wave-cut notches.

A number of candidates supported their written answers well with diagrams and explained the specific types of erosion/weathering predominantly responsible at different stages of the formation process.

(g) Explain the formation of a cave. (4) Caves form when hydraulic action and abrasion table place. The waves attack the rock and air gets trapped adding pressure to the cruck and weakening It. Over fine the wave gets bigger and the waves Keep attacking it. Freeze-man may also truce place and aid hydralic action. Rose Small rocks and also attack the Ros tock by getting thrown the waves, weathering 12.



This candidate clearly explains the types of erosion responsible for the formation of the crack (1). They go on to explain the idea of erosion occurring over time/repetition (1) and the impact of freeze-thaw weathering (1) leading to the crack widening (to form a cave) (1).

Question 2 (h)

In these 8-mark extended writing questions, candidates are required to blend their use of the resource (AO4) with their own knowledge and understanding of the issue presented (AO3). Therefore they are not case study questions, rather they require the candidates to apply their geographical understanding to the context shown in the resource.

In this instance, candidates were required to analyse the importance of managing the threats to coral reef ecosystems. There was a tendency for candidates to describe each threat, shown in the resource separately, which meant their responses became very repetitive and often were not focused on why it is important to manage these threats. The better responses grouped the threats together, which meant they could spend more time on the 'importance' element of the question. A few candidates directly lifted the threats from the resource with no additional detail and these were awarded zero marks.

The command word 'analyse' needs to be addressed to achieve full marks and many candidates found this challenging as there was often minimal judgement demonstrated in candidate responses.

(h) Study Figure 2c in the Resource Booklet.

Analyse the importance of managing the threats to this coral reef ecosystem.

(8)Some chamicals from sunscreens are not very important and not a big priority to manage in the coral reef ecosystem as the tiny bit of chemicals word affect much compared to the level of pollution that will, theofore it isn't very important to manage Storm water norse leading to chericals and Seeliments reaching the water is a quite important threat to manage as we cansee in the figure 20 the pollution has reached the toral, which means the mater is polluted and this could be due to the chemicals and cedments hearching the water. This could also to the coral dying destroying the rest. Even though road construction cutting air and water pollution sounds like a huge threat to the coral heaf ecosystem, we can see in figure 2c encut the pollution given off from it (7) is not much and beeding to the ecosystem, so I would say it iskt Keely debecting the reed. The most import at thread to manage is the oil and chemical spills causing water pollution, as the pollution is presented on the most in figure 2c, going the deepest into the water, effecting the coral reef ecosystem by a huge around This problem

reeds to be solved, and out the highest importance, (Total for Question 2 = 25 marks) Ettomeer, the pollution is still visible on the figure, it is still a thread that should be kept an eye a (put in EJ at the page before) This is a low Level 2 response – 4 marks. The candidate has worked through the threats presented in the resource and described the impact they may have in a very basic way -'lead to coral dying and being destroyed' – in a couple of places.

Although, this candidate attempts to show judgement, their interpretation of the numbering in the figure is incorrect as the threats are not ranked. This response misses the main focus of the question where they are required to analyse the importance of managing the threats as opposed to ranking the threats themselves. (h) Study Figure 2c in the Resource Booklet.

Analyse the importance of managing the threats to this coral reef ecosystem.

The corel net shown in Figure 2c is largely at threat. Paint I shows Het there is a failed schage system from the residents of the area and this is about to come into contact with an aquiferet gourdwater. This sensor reeds to be cleaned and the system needs to be repaired or the serverys will pollute the accor and make the water dirty preventing surlight from reaching the corels Print 2 shows that chanicals from subscreen is being meshed into the see this would be very hord to prevent bonemer it is at a minor scale so should be left fint 3 shows that rediments from bilding is reaching the noter These should be confully managed as they would again cause the water to appear dirty preventing the pentration of suchight is to the corols. Point 4 shows that chemicals are running off load and into the crean due to storm water run off. These chinicals are tric for fish and the polypsin the corel need so need to be mashed and taken core of Point 6 also shows that hornful chemicals are cousing water pellubion, this time by all spills. Point 7 shows water pollution but also air polluber which contributes to global marring and the increase in accor toperatures. This could lead to caral bleaching if temperatures exceed the aptimum temperature Point 8 shows that agriculture causes chemicals, fortilizers to leak into the sul and reach the water This could cause an algax bloom, entrophication and a borrise of sublight for the corols. Also the decrease in exygen is the voter is bound! Ette coral reef

(8)



This is a top Level 2 response – 6 marks.

This candidate works through some of the threats shown in the resource correctly to gain AO4 credit and builds on these to explain why they cause harm to the coral reef ecosystem and therefore need to be managed for AO3 credit. There are several reasons given linking to photosynthesis, biodiversity and coral bleaching. (h) Study Figure 2c in the Resource Booklet.

Analyse the importance of managing the threats to this coral reef ecosystem.

(8)Asshown in figure 2c, failed sewagesystems are leaking into the underwater pipeline that is leads to the sea. This is very harmful to the seases by sea because there there to algae bloom could be triggered from the chemicals in the untreated waste. This causes evtrophication in the sea where algae covers the surface And blocks out surlight. This harms the wals as they aren't able to reach the survight to photosynthesis. They should manage their sewage system by fixing it to avoid the As shown in figure 2c, cheers oil and chemical spills from factories are causing water pollution. This is very harmful to the weal reefs because the chemicals are very toxic so the fish and other marine life that consume such may die. This offereds tood chain and harms the enosystem because the interlinked relationships between the consumers and producers are affected, leading to a less healthy environment for the word neefs as well. Additionally, figure 20 shows that agriculture causes chemicals to leak into suil and teach the water. This may damage the cocal rects themselves on top of kiling fish because it leads to could lead to ocean auditication in which locals are bleached permanently overtime

and die. This is extremely harmful as it is it rereisible so is important to manage so that tourists canalso enjoy to lour ful superiors of cocals to the community can generate more intome as well. Also displayed from figure 2c is that the coad wastruction is causing air and water (Total for Question 2 = 25 marks) pollution. This was the suffocates the fish as the cheeper composition of water becomes polluted so they die more easily, again discupting food chains. However, they connected physical solution waske from construction would also damage the seabed which presents cocals from forming. Miconclustor, it is regimportant to manage all the sentenced to preserve the ecosystem from being polluted as these are highly dependent on each other.



This candidate works through a range of threats shown in the resource for strong AO4 credit and explains a range of impacts this can have on coral reef ecosystems for strong AO3 credit. This candidate has evidence of analysis having a brief but valid conclusion at the end, but uses language like 'very harmful' in their answer. (h) Study Figure 2c in the Resource Booklet.

Analyse the importance of managing the threats to this coral reef ecosystem.

If threats to coral need systems are not managed and consult are not protected then these systems will die. Therefore the result will be a massive loss of biodiversity. - the result of human in habitance near coral reef systems is huge the coal berty of the coal themselfs is a thread to themself. must tourist will be attracted to the area. But as shown in Sigure 2c the label 2 shows how chemicans from sunsing can harm coral. Not only does this threat by tourists (uno involes subudining that card domage coral) course a loss of bouncersity the coss of the coral will lead to less tourst attraction therefore a decrease in economic projet for the locals. To manage this safter prevous should be put in place for tourist. for example Washing of Suncream before going in the sea (pranking Showers) of and having instructors provale supe instuction on scuba diving in very limited amounts. - Building of infrastructor is also a great thread to could helds. Sigure 20 shows a diagram of this wastal area it shows a large city with sky scrapes. label 4 you'd (as the source states) result in Jedimen reaching the vitter (from the building) expension of these cities requires roud construction as sharn in

(8)

this construction causes air and water pollution. This air pollution can contribute to the greenbase (inhanced) effect that would increase the temperature of the water that the coral win (optimum 25°C) and the coral would bleaker causing mays logs of biodiversity - spills of pollution (HD (Total for Question 2 = 25 marks) the water causes the coral to die due to there being a large population by coast a sense system's needed. Yet spills from this will harm the coral. Increased industrial production is also a thread due to oil and chemical spills causing water pollution (Show in label Q

- a very dongerous threat to coral is the leakage of agricutural chemicals 10+ 5 the water. (figure &) this could be agriculture to read inhabitions of the city's nearby - Eutriphikation is when fertilisers No of into sea mu blooms on sugar of sea this will lead Cause algea to less no suncight getting to the coral so they cont photosynthesis. (I know they don't photosynthesile by the duct that they require shallow water so sublight con. reach them. other rungs include chemicals and fedimants that will run into the vater of storm have , deportation is another threat to coastal read systems because trees cast hold down sealment with their toto the sea (parmin loral) desore ation nadi totle effect with abo warms the water greanbale



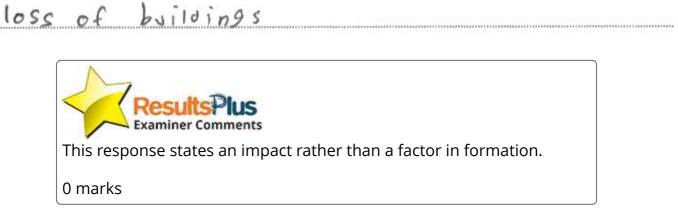
This is an example of a Level 3 – 8 mark response.

This candidate uses the Figure throughout their answer gaining good AO4 credit and explains the impact several threats will have on the coral reef ecosystem, as well as giving a judgement at the beginning of their response and using language such as: 'great impact' within their writing to gain high level AO3 credit.

Question 3 (b)(ii)

Most candidates were able to score a mark on this question being able to state a factor that can affect tropical storm formation.

(ii) State one factor that can affect tropical cyclone formation.



(ii) State one factor that can affect tropical cyclone formation.

(1)

(1)

contolis force



(ii) State **one** factor that can affect tropical cyclone formation.

(1)





Question 3 (c)

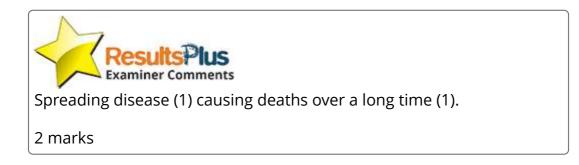
For this question, candidates were required to identify a correct long-term impact of a tropical cyclone (AO1) and explain a consequence of this (AO2).

Candidates were awarded for long-term impacts plausible in both developing/emerging and developed countries.

Most candidates were clear on the idea of long term impacts and the consequence of these, achieving full marks for this question.

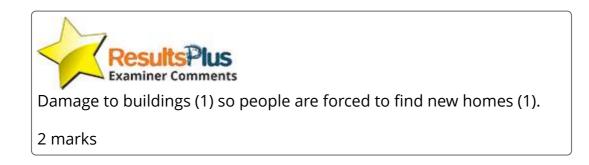
(c) Explain one long-term impact of a tropical cyclone.

(2)tion an



(c) Explain one long-term impact of a tropical cyclone.

(2)tor It to



Question 3 (d)

This question required candidates to use Figure 3a, which showed information about Mount Etna's eruptions and settlement distribution, to explain two reasons why people continue to live in areas at risk from volcanoes.

The credit for this type of 'explain' question comes from correctly identifying a possible reason from the information given in the resource (AO3) and then developing this to explain why people live in the area (AO2).

The type of settlements were not made explicit in the resource and therefore any plausible activity that could be carried out in a settlement was awarded. The most frequent reasons given by candidates were linked to agriculture and tourism.

A few candidates gave the reasons lack of education and eruptions do not happen often. These were not credited as neither can be reasonably inferred from the resource as Italy is a developed country and the resource states 'it's Europe's most active volcano', therefore suggesting people will be aware of the risk. (d) Study Figure 3a in the Resource Booklet.

Explain two reasons why people continue to live in areas at risk from volcanoes.

1 From figures 3a mere are many settlements around the base of Mt Etha as volcances have a cot of natural resources that can benefit people. For example, volcanic ash can act as a fertiliser on a agricultural land which can lead to better crop yields for for mers. 2 Anomum reason is that townists like to visit volcances which generates and money and improves the economy of the local people. From figure 3a mere and settlements near the costs Summit crater which would be a popular tourist destination.



This response has two clearly developed reasons for 4 marks.

Volcanic ash as fertiliser which increases crop yields for farmers – 2 marks.

Tourists like to visit volcanoes (1) which generates money for the economy (1) – 2 marks

(4)

(d) Study Figure 3a in the Resource Booklet.

Explain two reasons why people continue to live in areas at risk from volcanoes.

(4) May (mil) 1 light in really n (n)nel



This response has two creditable reasons linked to fertile land being good for farming in the first reason and people not being able to afford to move and so they have to live with the risk in the second reason.

4 marks

(d) Study Figure 3a in the Resource Booklet.

Explain two reasons why people continue to live in areas at risk from volcanoes.

(4)

1 One reason is due to pertile soil, as ash enriches the soil. As shown in

Figure 3a, many people may live near Mount Etna, as the pertile soil

allows them to grow crops and sell them, so they can make a near volcances

livelihood. Therefore, pertile soil is beneficial.

- 2 Another reason may be due to a lack of analyness about the risks
- of a volcanic eruption. As shown in figure 3a, many people may
- live in Catania, due to a lock of education about the negative impacts volcanic eruption
- of a volcane, such as pyroclastic flow, so therefore continue to live there.



This response was awarded 2 marks for the first reason linking to fertile land. However, the second reason given is not plausible from the resource provided and so is not worth credit.

This answer was awarded 2 marks overall.

Question 3 (e)

For this question, candidates were required to identify a correct building design strategy and explain why this helps to prepare for earthquakes. In this question, candidates are required to focus on one idea and develop it in detail to access the 3 marks available.

The majority of candidates achieved full marks clearly explaining the influence of one building design strategy on preparation. However, some candidates explained how building design helps to prepare residents for an earthquake without suggesting a specific building design method which limited their answer. A few candidates focused on preparation strategies not related to building design, for example having supplies of food/water, which did not meet the requirements of the question.

(e) Explain one way building design can help prepare for earthquakes.

one way building design can help prepare por earnquares is using rolling weights on the lops of high-rise buildings. These counteract the seismic waves of earthquak so to stabilise the built rolling meamer was preventing it from collapsing or being destroyed

(3)



This response clearly explains one strategy fully: rolling weights on the top of buildings (1) which counteract the seismic waves (1) preventing the building from collapsing (1).

3 marks

(e) Explain one way building design can help prepare for earthquakes.

(3)

building design can help prepare for earthquake One way Q. 5 by putting canter weights on the top of the building. This prevents the building from maring and collapsing earthquate occurs, as the weights counteract the sharking buildings collapse, so there are As o result, tess no and deaths, and reduces economic loss



This is another example of a candidate fully explaining one strategy to gain 3 marks.

Question 3 (f)

The majority of candidates correctly identified a potential short-term impact of a tropical cyclone.

However, a few candidates misinterpreted the hazard shown in the resource for a volcanic eruption and gave impacts linked to ash clouds which were not credited. A few candidates gave types of weather hazard linked to tropical cyclones e.g. strong winds/heavy rain rather than the actual short-term impacts these hazards create.

(f) Study Figure 3b in the Resource Booklet.

Identify a potential short-term impact of the hazard shown.

no electricity



(f) Study Figure 3b in the Resource Booklet.

Identify a potential short-term impact of the hazard shown.

(1)

(1)

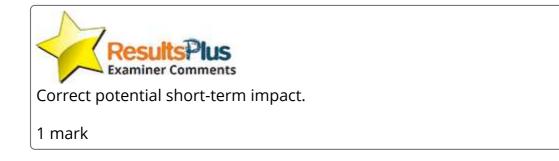




(f) Study Figure 3b in the Resource Booklet.

Identify a potential short-term impact of the hazard shown.

Pestruction of ingrastructure such as housing by winds:

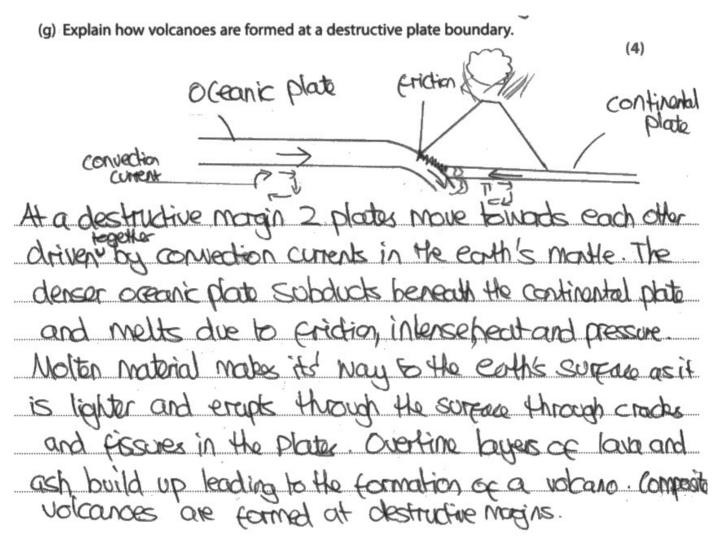


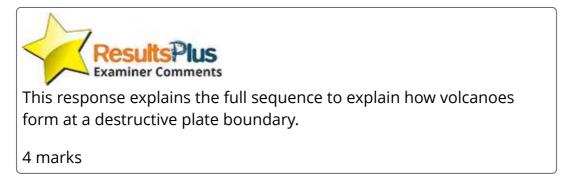
Question 3 (g)

This question required candidates to explain how volcanoes are formed at a destructive plate boundary.

Generally, the majority of candidates were able to score some marks on this question. Candidates who scored 3 or 4 marks tended to use more specific geographical terminology and were able to explain a sequence of events. However, some candidates confused the type of plate boundary, writing about a constructive plate boundary instead which was not credited.

A number of candidates supported their written responses with diagrams which often showed the direction of plate movement which was useful as this was often missed at the start of a lot of written answers meaning a number of candidates achieving 3 rather than 4 marks.





(g) Explain how volcanoes are formed at a destructive plate boundary.

(4)

The magma vises through the oceanic and tectonic plates. Destructive boundary is when both the plates pull apart. Pressure the pressure is released lava exploses to the sur coolen down, it will form a new crust. After is More crust will Volgnic eruptions, more and Sprileral Volrano. build torm.



This candidate has written about a constructive/divergent plate boundary and therefore was not awarded marks.

Question 3 (h)

In these 8-mark extended writing questions, candidates are required to blend their use of the resource (AO4) with their own knowledge and understanding of the issue presented (AO3). Therefore they are not case study questions, rather they require the candidates to apply their geographical understanding to the context shown in the resource.

In this instance, candidates were required to analyse the hazard risk from the predicted distribution of tropical cyclones shown in the resource. A number of candidates focused solely on the preparation measure shown in the table in the figure which limited their answer as the idea of risk was not really analysed, rather the effectiveness of preparation strategies which meant their argument lacked balance. While analysing the hazard risk for the areas shown in the figure, candidates mainly focused on population density, economic development and preparedness of countries/cities and the intensity of tropical storms. Few candidates focused on the idea that vulnerability of areas are differing depending on the season and geographical location. Candidates were familiar with the geographical terms such as: Saffir Simpson Scale, storm surge, Coriolis force and vulnerability.

The command word 'analyse' needs to be addressed to achieve full marks and many candidates found this challenging as there was often minimal judgement demonstrated in candidate responses.

(h) Study Figure 3c in the Resource Booklet.

Analyse the hazard risk from this predicted distribution of tropical cyclones.

(8) seen 3c S in Hona ono ex Say Simpson on however wou Hone scrale maes Sage yron Season GC/ e at areli Rel 2 R 0 ound 0 undurated (PL Le Manil AS Repose seen cra to mean Phil know 4 ppines we strong no A may be at N 6 C mo an 0) 0 Seen 5 ant A usin ex a 3c, they have Qe Hong Kongs 3 compare K! n Hong Kong kes methon m.

risk as more people would be aggeited. For example in Cyclone I day in Mozambigue a relatively high pop. density meant over 2.6 million people were agrected, showing the danger of densily. AS seen in guy sc (Total for Question 3 = 25 marks) Manila has a tropical Manula has a tropical cyclone warning system. This means they will know a gen hours before (or minutes) the cyclone hits. I know that this can be very benegicial in reducing the risk as in the boxing day tunamic in Japan, the gew minutes worning saved hundreds offices In conclusion, Hongk ong are at very high risk as they have a high pop, density + soposed to level 4, Manilat are also at thigh resk as exposed to level 5 & are also an LIC, so have less money to spend on prediction. Darwin is at verylow huradrisk. The Pro Philippines is also a harad hotspot so the risk is even higher Cearthqueter, cyclores, tsunami is + landslides).



This response, although not perfect, is enough to gain Level 3 – 8 marks.

The candidate uses several pieces of information from the resource to gain strong AO4 credit and is able to explain how this may increase or decrease the risks. This response makes reference to level of development, population density, strength of hazard, time of year and preparation to show range and balance in their AO3, as well as including judgement in their argument to state which country is at most risk. (h) Study Figure 3c in the Resource Booklet.

Analyse the hazard risk from this predicted distribution of tropical cyclones.

(8)

You can see in fightle 30 mat Homme hong is predicted
a vener four that he howical cusclene, which has speeds between
of 210-249umin. Boogradie This show more
K a great hazard hisn in Hong hong because me
storm is extremely intense moretone will do more
damage man, for example, a cerer mo storm
in Australia. However, Mania in the Phillipines is a chance of the producted we worst thopical cyclone intensity of
Level 5 on me sattir simpson scale. This means mat
Mindspeeds would reach 250 + mpy, mich mil cause
extreme anount of damage. For example, Hunicane
hatria ha in 2005 was level 5 and caused many
deatres along with homelessness and communication
Autures Therefore, he intensity and scare of me
camprate and ciscione causes a greater ish as
IF will se more smonger

a high in an Furnemone, the population of the area will cause a greater hazard Fish because more of nish. For example, in Hong hong mey name a population of 7.50 million. This & causes a greater hazard as mene is a greater number of people mat are able to be hunt, and it also renery means

there is a momer population density and

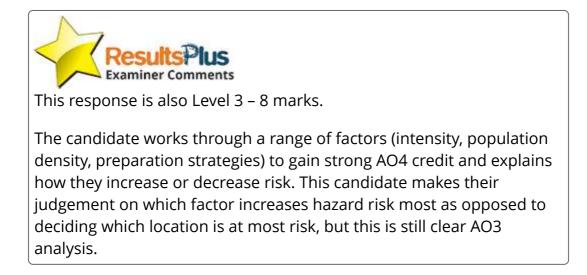
t infection.

Furnemene, you can see in higune 30 hat

Some countries are more (Total for Question 3 = 25 marks) prepared han onen. For example, the me missic education programme in trong hang and the communication evacuation router in Manila give people decrease he hazard nich because people have a greaser womedge and avaneness of the cyclone, so hey have a greater chance of being safe.

Furneman, you can see in figure 3c mat Damin has Buildings wat can why hand him winds. This do to I won how us an wonedge mat his could include steel reinforcements and & dow foundations. This decreases no hazad hish because he suildings are less likely to collapse, decreasing the 11th of the dealer of ho people in hiem, he prophens of wad access to energens senices and the homeressness caused

In conclusion, I kninn a comprisation of sussical pto bactors line the predicted intensity and, the preparation of the country line building design and the population or the country all donthistle to the degree of rish of the



(h) Study Figure 3c in the Resource Booklet.

Analyse the hazard risk from this predicted distribution of tropical cyclones.

(8)

At the places like Hong Kong, Ching, Philipiens, Australia, India are the places which are in the most donger. Most probably these are the places which are about to get hit the most. The countries should began to teach the people what to do when the tropical cyclone appears. The Risk assessment part is also a really important part for this. They are about to get hit around four and five limes. The population of the countries are mostly very high that means that more people are in danger.



This is a Level 1 – 2 mark response.

There is basic reference to the resource to gain an AO4 mark and very basic AO3 credit – 'this means more people are in danger' and 'countries should begin to teach people what to do' – to gain an AO3 mark.

(h) Study Figure 3c in the Resource Booklet.

Analyse the hazard risk from this predicted distribution of tropical cyclones.

(8) data From the It is predicted shown, Bargledes yclones that , n G. C. thes these september till 8 28000 May, but the worst is in Janua Brom Hong Kong, the cyclones June todecember and 5 this in august. This be people have holide 5 but the people userate Hillion t is also very similar in risk. Hanilla the 1.84 million able Buillas to do anything. In Hongtong taught everyone of have to read to a cyclone to protect and they sarringto to protect them. Manilla warning but haven't taught people also send how to react, however they have evacuation routes has lawin the a small population with 0.13 compared with evern other country Program they don't have any warnings or any People or any evacuation routes but they regulate teach



This is a fairly descriptive response with stronger AO4 credit than AO3 credit.

This demonstrates a Level 2 – 5 mark response.

The candidate works through the times of year different areas are most at risk and uses population and preparation strategies mentioned in the figure. The AO3 is weaker with some basic ideas – 'this could be when people have holidays' – with some basic judgement about the effectiveness of different preparation strategies used in Hong Kong and Manila.

Question 4 (a)(ii)

Please note that the comments made on Q04 also apply to Q05 and Q06 as the questions are in parallel and the resources very similar.

Section B had reduced number of marks in this series and, as a result, fewer questions. There were only questions with unfamiliar fieldwork contexts. There was information provided on the fieldwork context in the exam paper and additional resources in the resource booklet which candidates were required to use.

For this question, candidates needed to name a piece of equipment that would be plausible for the investigation described in the exam paper. There was no credit awarded for basic stationery 'pen/pencil or paper' as the candidates needed to name equipment specific to a geographical enquiry. Ruler was credited in Q04, Q05, and Q06, as it is specific to measuring pebbles or amount of rainfall.

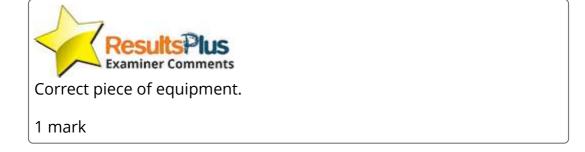
This question was answered well and most candidates were awarded the mark.

(ii) Name one piece of equipment the students could have used in their enquiry.

(1)



measuring type



Question 4 (b)(i)

Q04(b)(i), Q05(b)(i) and Q06(b)(i) were the same across each option. This question was answered quite well with many candidates gaining 2 marks. Where candidates scored only 1 mark, it was due to them not writing the final answer to one decimal place.

- (b) Study Figure 4b which shows some data about river velocity at four sites.
 - (i) Calculate the mean river velocity at Site 2.

Give your answer to one decimal place.

You must show all your workings in the space below.

Such Men = 1.2 + 1.0 + 1.2 + 1.3 + = = = = = 3
Men =
$$\frac{4.72}{4}$$
Men = $\frac{4.72}{4}$
Men = $\frac{1.175}{4}$
Men = $\frac{1.175}{4}$

1.175 m/s



- (b) Study Figure 4b which shows some data about river velocity at four sites.
 - (i) Calculate the mean river velocity at Site 2.

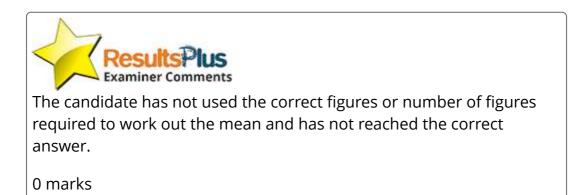
Give your answer to one decimal place.

You must show all your workings in the space below.

(2)

$\frac{1.2 + 1.0 + 1.2 + 1.3 + 0.3}{5}$

1.0 m/s



- (b) Study Figure 4b which shows some data about river velocity at four sites.
 - (i) Calculate the mean river velocity at Site 2.

Give your answer to one decimal place.

You must show all your workings in the space below.

(2)

1.2+1+1.2+1.3 = 4.2 -4=1.145

1.2 m/s



Question 4 (b)(ii)

Q04(b)(ii), Q05(b)(ii) and Q06(b)(ii) were the same across each option. This question was answered well with the vast majority of candidates able to identify a sampling strategy.

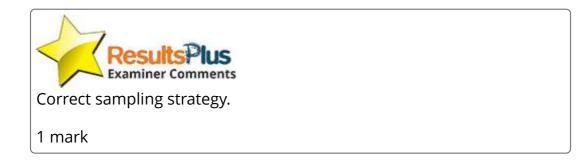
(ii) State **one** type of sampling students could have used to choose their data collection sites.

(1)



(ii) State **one** type of sampling students could have used to choose their data collection sites.

(1)Enutic sampling



Question 4 (b)(iii)

Q04(b)(iii), Q05(b)(iii) and Q06(b)(iii) were the same across each option. Most candidates were able to identify the large range shown in the resource and suggest a reason for this occurring which was either specific to the investigation described or, more generically, linking to the idea of human error or an anomaly.

(iii) Suggest **one** reason why the data for Site 1 may not be reliable.

(2)

The data in site I varies as compared to the rest of the sites

ranging from 0.2-1.3mis meaning there may have been obstacles

such as rock and vegetation causing anomolies to the results.

Making it innacurate.



This response gives enough detail to credit the idea of a large range (1) which is explained by the velocity being affected by an obstacle/vegetation (1) as an enquiry specific reason for the error.

2 marks

(iii) Suggest **one** reason why the data for Site 1 may not be reliable.

The data for site 2 may not be reliable because the	dato
courted didn't give similar mults and men an huge diffe	past in
between so may could be and moulous.	******
ResultsPlus Examiner Comments	
This was a more typical response seen across Q04, Q05 and Q06	

This response gives the idea of a large range – 'there's a huge difference' (1) – so they are anomalies (1).

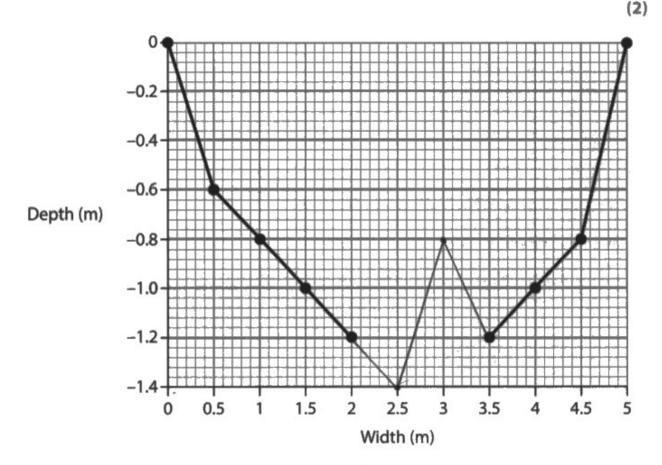
2 marks

Question 4 (c)(i)

Q04(c)(i), Q05(c)(i) and Q06(c)(i) were the same across each option.

Candidates were awarded one mark for one correctly plotted data point and the second mark for plotting both data points correctly and connecting the plots with a line. Two correct plots without a line connecting them were limited to one mark. The vast majority of candidates were awarded the full two marks for this question.

(c) (i) Complete Figure 4d below, using data highlighted in Figure 4c in the Resource Booklet.

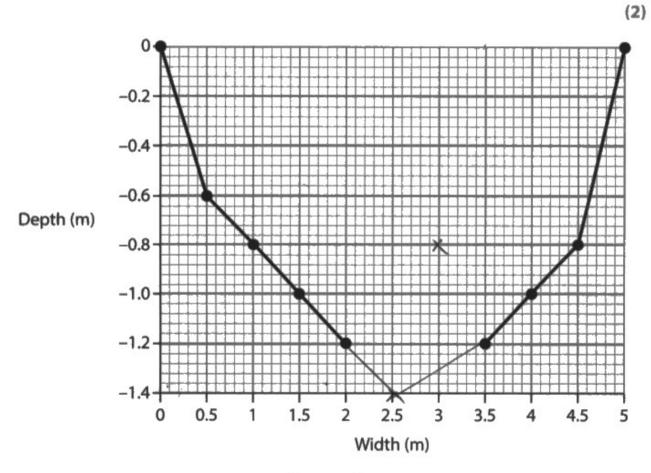






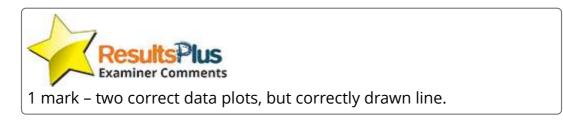


(c) (i) Complete Figure 4d below, using data highlighted in Figure 4c in the Resource Booklet.





River channel cross-section



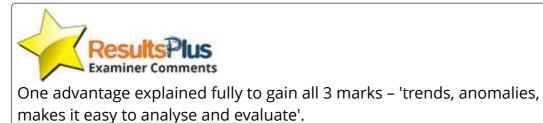
Question 4 (c)(ii)

Q04(c)(ii), Q05(c)(ii) and Q06(c)(ii) were the same across each option. The candidates were required to explain one advantage of using a line graph to present results.

In this question, candidates are required to focus on one idea and develop it in detail to access the 3 marks available. A number of candidates described what the graph showed rather than explaining its usefulness. Candidates also struggled to develop one idea often giving three different advantages or giving the same advantage expressed in three different ways, often linked to how it was easy to visualise a pattern. The best responses were able to explain how line graphs show trends and anomalies which helps to confirm hypothesis.

(ii) Explain **one** advantage of using a line graph to present results.

so that frends are clearly shown, easier to identify anomalies I.e. when width is 3, the anomalous result of depthis. The graph also shows continuous data, makes it easy to evaluate and analyse data in order to study charactistics of a river along its course



(3)

(ii) Explain one advantage of using a line graph to present results.

Line graph are useful for data presentation as they are clear and eary to read. Plotting quantitative data on a line graph helps identify trends or patterns in data collection results as well as help identify any anomalies or inacquiracies in the data collected.

(3)



3 marks – one well explained advantage – 'clear and easy to read, allowing trends and anomalies to be identified'.

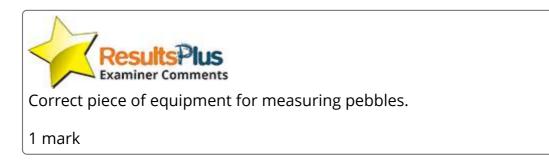
Question 5 (a)(ii)

linonetro

For this question, candidates needed to name a piece of equipment that would be plausible for the investigation described in the exam paper. There was no credit awarded for basic stationery 'pen/pencil or paper' as the candidates needed to name equipment specific to a geographical enquiry. Ruler was credited in Q04, Q05, and Q06, as it is specific to measuring pebbles or amount of rainfall.

This question was answered well and most candidates were awarded the mark.

(ii) Name one piece of equipment the students could have used in their enquiry.



(ii) Name one piece of equipment the students could have used in their enquiry.

(1)



Question 5 (b)(i)

Q04(b)(i), Q05(b)(i) and Q06(b)(i) were the same across each option. This question was answered quite well with many candidates gaining 2 marks. Where candidates scored only 1 mark, it was due to them not writing the final answer to one decimal place.

- (b) Study Figure 5b which shows some data about beach characteristics at four sites where data was collected.
 - (i) Calculate the mean pebble size at Site 2.

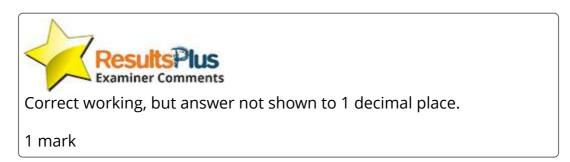
Give your answer to one decimal place.

You must show all your workings in the space below.

25 + 20 + 22 +1+ = 55 85 = 5 21.25



(2)



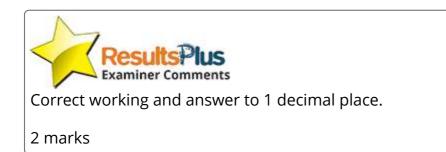
- (b) Study Figure 5b which shows some data about beach characteristics at four sites where data was collected.
 - (i) Calculate the mean pebble size at Site 2.

Give your answer to one decimal place.

You must show all your workings in the space below.

25 + 20 + 22 + 18 = 85 85 - 4 = 21.25 = 21.3(2)





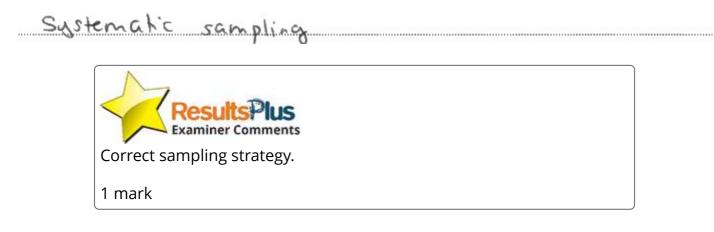
Question 5 (b)(ii)

Q04(b)(ii), Q05(b)(ii) and Q06(b)(ii) were the same across each option.

This question was answered well with the vast majority of candidates able to identify a sampling strategy.

(ii) State one type of sampling students could have used to choose their data collection sites.

(1)



Question 5 (b)(iii)

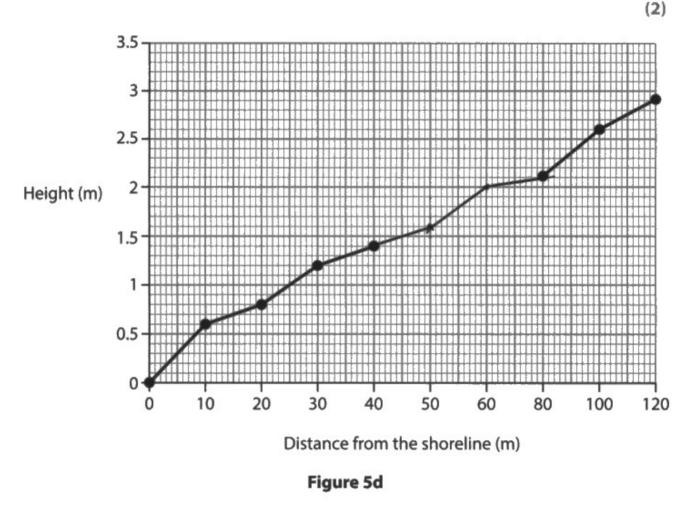
Q04(b)(iii), Q05(b)(iii) and Q06(b)(iii) were the same across each option. Most candidates were able to identify the large range shown in the resource and suggest a reason for this occurring either specific to the investigation described or, more generically, linking to the idea of human error or an anomaly.

Question 5 (c)(i)

Q04(c)(i), Q05(c)(i) and Q06(c)(i) were the same across each option.

Candidates were awarded one mark for one correctly plotted data point and the second mark for plotting both data points correctly and connecting the plots with a line. Two correct plots without a line connecting them were limited to one mark. The vast majority of candidates were awarded the full two marks for this question.

(c) (i) Complete the beach profile in Figure 5d below using data highlighted in Figure 5c in the Resource Booklet.



Beach profile



Question 5 (c)(ii)

Q04(c)(ii), Q05(c)(ii) and Q06(c)(ii) were the same across each option. The candidates were required to explain one advantage of using a line graph to present results.

In this question, candidates are required to focus on one idea and develop it in detail to access the 3 marks available. A number of candidates described what the graph showed rather than explaining its usefulness. Candidates also struggled to develop one idea often giving three different advantages or giving the same advantage expressed in three different ways, often linked to how it was easy to visualise a pattern. The best responses were able to explain how line graphs show trends and anomalies which helps to confirm hypothesis.

Question 6 (a)(ii)

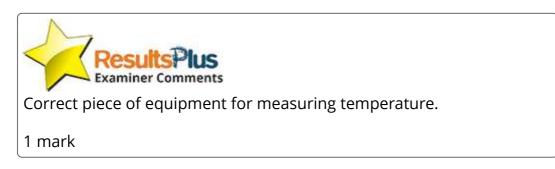
For this question, candidates needed to name a piece of equipment that would be plausible for the investigation described in the exam paper. There was no credit awarded for basic stationery 'pen/pencil or paper' as the candidates needed to name equipment specific to a geographical enquiry. Ruler was credited in Q04, Q05, and Q06, as it is specific to measuring pebbles or amount of rainfall.

This question was answered well and most candidates were awarded the mark.

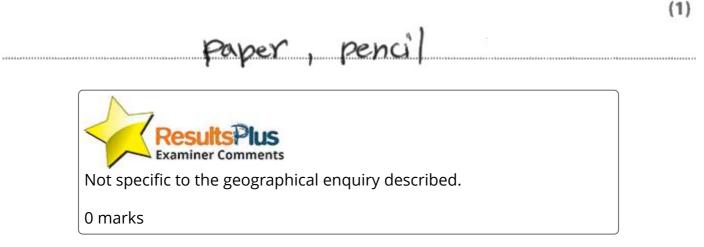
(ii) Name one piece of equipment the students could have used in their enquiry.



themometre



(ii) Name one piece of equipment the students could have used in their enquiry.



Question 6 (b)(i)

Q04(b)(i), Q05(b)(i) and Q06(b)(i) were the same across each option. This question was answered quite well with many candidates gaining 2 marks. Where candidates scored only 1 mark, it was due to them not writing the final answer to one decimal place.

- (b) Study Figure 6b which shows some data on wind speed at four sites where data was collected.
 - (i) Calculate the mean wind speed collected at Site 2.

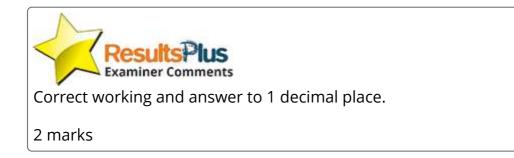
Give your answer to one decimal place.

You must show all your workings in the space below.

(2)

 $\frac{8+6+7+8}{4} = 7.25$

7.3 mph



- (b) Study Figure 6b which shows some data on wind speed at four sites where data was collected.
 - (i) Calculate the mean wind speed collected at Site 2.

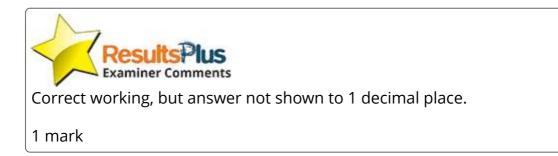
Give your answer to one decimal place.

You must show all your workings in the space below.

(2)



..... mph



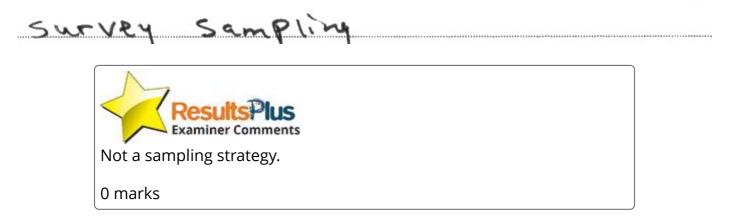
Question 6 (b)(ii)

Q04(b)(ii), Q05(b)(ii) and Q06(b)(ii) were the same across each option. This question was answered well with the vast majority of candidates able to identify a sampling strategy.

(ii) State one type of sampling students could have used to choose their data collection sites.

(1)

(1)



(ii) State one type of sampling students could have used to choose their data collection sites.

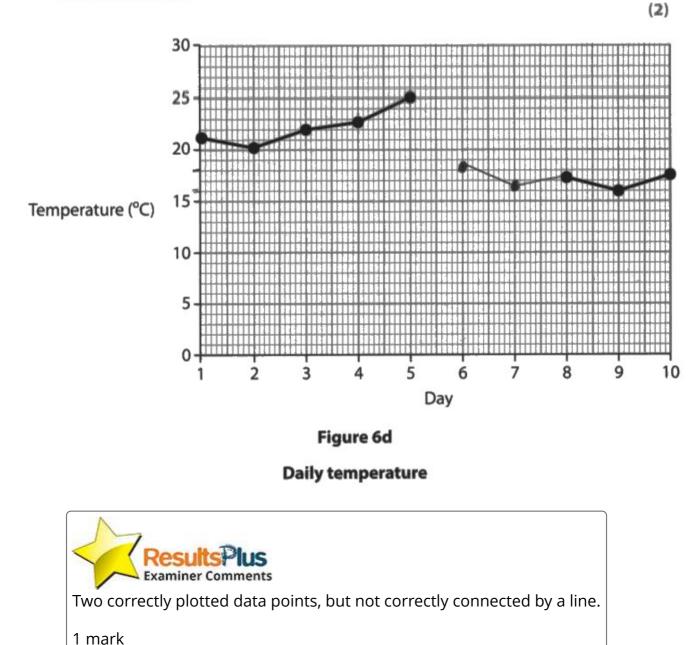
	. 7	<pre></pre>
	Cesuits Plus	
Correct sar	npling strategy.	

Question 6 (b)(iii)

Q04(b)(iii), Q05(b)(iii) and Q06(b)(iii) were the same across each option. Most candidates were able to identify the large range shown in the resource and suggest a reason for this occurring either specific to the investigation described or, more generically, linking to the idea of human error or an anomaly.

Question 6 (c)(i)

Q04(c)(i), Q05(c)(i) and Q06(c)(i) were the same across each option. Candidates were awarded one mark for one correctly plotted data point and the second mark for plotting both data points correctly and connecting the plots with a line. Two correct plots without a line connecting them were limited to one mark. The vast majority of candidates were awarded the full two marks for this question.



(c) (i) Complete Figure 6d below using data highlighted in Figure 6c in the Resource Booklet.

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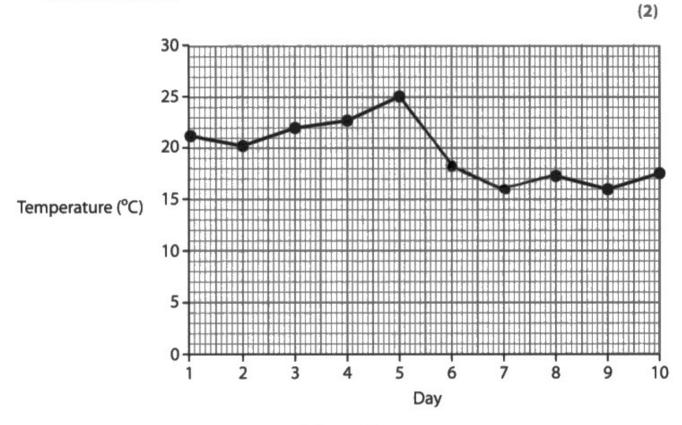


Figure 6d





Question 6 (c)(ii)

Q04(c)(ii), Q05(c)(ii) and Q06(c)(ii) were the same across each option. The candidates were required to explain one advantage of using a line graph to present results.

In this question candidates are required to focus on one idea and develop it in detail to access the 3 marks available. A number of candidates described what the graph showed rather than explaining its usefulness. Candidates also struggled to develop one idea often giving three different advantages or giving the same advantage expressed in three different ways, often linked to how it was easy to visualise a pattern. The best responses were able to explain how line graphs show trends and anomalies which helps to confirm hypothesis.

Paper Summary

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

- When answering the 8-mark longer response questions, candidates need to be clear on the demands of the command word 'analyse'. This requires candidates to investigate an issue by breaking it down into different components and making logical, evidence-based connections between these components.
- Candidates need to recognise that the longer response 8-mark question is dominated by the AO distribution (4 marks for AO3 and 4 marks for AO4). Therefore, responses that are unbalanced or focus on one AO will be limited to a Level 1 response.
- In questions where candidates 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. These questions usually have the command word, 'suggest' or 'explain', but may differ in depth depending on the expectation of the question. For example, a 4-mark, 'explain one reason why...' question requires greater depth than a 4-mark, 'explain two reasons for...' question.
- Candidates need to ensure they follow requirements for calculation questions accurately, particularly where they are asked to round an answer to one decimal place.
- It is important that candidates are aware of the difference between reliability and accuracy in the context of a geographical enquiry.
- Candidates need to be familiar with the advantages and disadvantages of using different data presentation techniques.

Some candidates do not follow the instructions on the front of the exam paper and attempt to answer all questions which often results in the candidate running out of time. It would be useful to spend time with candidates, using the SAMs materials to ensure they are familiar with the structure of the paper to avoid rubric infringements.

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

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