

## Candidate 3 evidence

ENTER NUMBER OF QUESTION	DO NOT WRITE IN THIS MARGIN
Q1)	

ENTER NUMBER OF QUESTION	DO NOT WRITE IN THIS MARGIN
Q2)	

Q2) When prevailing winds blow at an oblique angle, the force the waves to move in a zig-zag pattern. As the waves move onland, they ~~come~~ go straight back to the sea in a ~~zigzag~~ straight line bring backwash.

Corrasion is a type of erosion which occurs. This is when the rivers beds & banks are being hit by the rivers load.

Hydraulic Action also occurs. This is when the sheer force of the waves hit against <sup>water & air</sup> ~~pieces~~ the ~~sea~~ floor and ~~gets~~ <sup>forces</sup> into is ~~cracks~~ <sup>forces</sup> forced into cracks which ~~breaks~~ <sup>forces</sup> material off.

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Q3)	<p>The current goes in a circular motion, these are called gyres. The ocean currents go clockwise. The current can be affected by the prevailing winds such as the easterlies. The North Atlantic drift goes in a clockwise motion.</p>
Q4)	<p>From 10:00 to 14:00, we can see that the discharge levels are increasing from 4 cumecs to 5 cumecs. This could be due to the rain falling straight into a river or lake. From 14:00 to 15:00 we can see a rapid increase in discharge as it went from 5 cumecs to 10 cumecs. The rainfall is now at its highest so far at around 5mm. This could be due to infiltration through vegetation. From 16:00 to 18:00 we see the rising limb continuing to increase to around 24 cumecs. This could be due to the storage in the</p>



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Q5)	

There is a peak lag time of 17 hours.

Q5) Water flows over bands of harder more resilient rock <sup>such as limestone</sup> & softer less resilient rock such as clay. The softer rock is eroded more quickly than the harder rock due to processes such as hydraulic action. Hydraulic action is the sheer force of the waves hitting against cracks in the wall, it forces air & water into these cracks and expands then eventually forcing pieces of the rock to break off. The process of corrosion also erodes the waterfall. Corrosion is where the water's load is hitting against walls of the rock breaking pieces of material off. Due to the quick erosion of the softer rock, it leaves the harder rock overhanging and eventually creates a plunge pool as the harder rock can no longer support itself and collapses due to

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	<p>gravity. This process Now the waterfall moves upstream starting the process all over again.</p>	
Q6)	<p>             mix / Acidic compounds due to pine needles being acidic and hard to break down              leaf litter from <del>deciduous</del> <u>pine needles</u>              distinct horizons due to shallow roots &amp; little soil biota              Eluviation horizon The leaching from A horizon is flocculated into the eluviation horizon              across iron pan is water logged              no soil biota due to the cold temperatures, there is little soil biota to mix up the soil              weathered parent material in the C horizon.         </p>	

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Q7)	
If the birth rate goes is decreased, this may	
ease pressure on maternity care. This also	
decreases any chance of malnutrition as families	
are having less babies, meaning the population will	
decrease leaving more food for the population to eat.	
This may also <sup>have an effect</sup> <del>be an indication</del> on schools.	
As there is less children, schools will be shut down	
due to the fact they are an unneeded expense.	
<sup>number of people in the</sup> The young working generation will also decrease	
which could lead to Japan importing people	
from different countries to do the jobs they	
cannot fill. This can rise racial tension &	
in the country. due to families having less	
children, they will have more money to help	
better their lifestyle & be able to send their	
children into higher education which	
better the country as a whole. The increasing	
number of elderly can cause a strain in hospital	
staff & geriatric nurses. This can lower the	



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(Q8)	
<p>A popular method used to collect data is a census. A census is carried out every year to record the population &amp; other things such as birth rates, death rates &amp; <del>the</del> religion. The birth registration is mandatory in most countries as it is a need to record when a child is born so that the population can be recorded correctly.</p>	
(Q9)	
<p>In the Sahelian region, many people are suffering from malnutrition as the soil is dry &amp; infertile. With infertile soil &amp; <sup>unpredictable</sup> dry seasons, many people cannot grow food. This could lower the countries over all GNI as they cannot export their food supply. Some countries may go through a time of famine, such as Niger in 2012. Countries may need aid from other countries such as, Ethiopia in 2015 seeking for help. The lack of vegetation</p>	



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Q10)	Traffic Congestion is a <del>const</del> constant issue
	in the Lake District National Park. Many
	tourists travel to the LDNP every year & the
	most popular way of transport is by car. This
	leads to heavy congestion on the roads. The
	large volume of cars on the road has
	extreme consequences on the quality of the road.
	Tax money may be put into the roads & deflected
	from other things such as healthcare &
	education. The noise & air pollution rates are
	higher and this has an impact on the locals
	health. This also has an effect on the scenery
	that tourists visit to see. People park on
	double yellow lines which congests the area even
	further. This affects the locals & farmers as
	they need to spend their time waiting to
	go about their daily life. Letting dogs off
	the lead can scare the sheep & may
	cause them to 'worry' & miscarry.



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Q11)	<p>In Glasgow, the tenement flats are being <del>re-done</del> re-done. This consists of joining 2 flats together making the space bigger. Bathrooms are being installed so makes it free of disease. Hot running water has also been put in place to make it a safer environment. These tenements are family friendly. The new towns that have been made to manage the population have been built to house more people. These towns are not so far out from Glasgow so are still close. They have multiple transport links. These houses are bigger &amp; fitted with bathrooms. The Athlete village has also been built. Was built for the athletes in the olympic games but are now housing people as a strategic. There are 300 homes to buy &amp; £400 to rent. The pricing varies so many people from different backgrounds live in this area. There is local shops, schools</p>

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	and Community Centres to suit kids of a young age.
	<del>12)</del>
12)	<p>The first strategic to solve traffic problems in Rio de Janeiro is</p> <p>The bus rapid transit, <del>is</del> <sup>there</sup> is a series of dedicated bus lanes which cater to all parts of <del>town</del> <sup>Rio</sup>. These buses have air conditioning and have helped take 500 traditional buses off the streets of Rio. Once it is up and running, it can hold 320,000 passengers a day &amp; it cuts bus journeys time. <del>These buses suddenly</del> There will be less <del>cars</del> <sup>congestion</sup> on the roads. The BRT have refurbished their buses to make them appealing &amp; safe.</p> <p>The refurbishment of the Subway. The Subway has been developed. It has said to get people to their destination quicker &amp; easier. There are pink carriages just for women so that they feel safer in public transport. The 'gobilee' scheme helps reduce the amount of vehicles on the roads in Rio. It also helps the pollution</p>

