



Examiners' Report June 2013

GCE Geography 6GE04 01

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## Introduction

There was a great deal of excellent work on show this summer. Most candidates were well-trained in how to present their work and paid close attention to the technical nature of a 'report' as opposed to an essay; as a result introductions were usually strong. Most candidates chose an appropriate 'framework' for approaching the topic identified in the pre-released material, although too many dealt with their sources in a rather peremptory style as in: 'this is a text book so it is reliable'; 'this is Wikipedia so it isn't reliable'. Indeed the sources used were a little limited in some cases. There is a great deal of excellent material readily and freely available which is neither credited, in some cases, nor used at all in the majority of cases.

The best candidates did what good candidates always do and answered the question. Perhaps some attention could be given to instruction words so that all candidates know what an answer to a question beginning 'To what extent...' requires in the way of an answer. In almost every case a 'debate' is set up with a 'twist' in the question that does not appear in the pre-released materials. The less successful candidates simply ignore the command word(s) and the 'twist' and simply work their way through the DRACQ often showing excellent case study knowledge but with a much more variable application to the question set, in too many cases one is left asking 'what exactly is the question?'. These answers are 'all I know about the topic' responses and, with a little work, could be very good answers. Success revolves around the candidates' ability to interpret the question.

# Question 1

This was, as is usual, the most popular question in which responses from candidates varied from the very good to the average and rather disappointing. The best structure with the potential of earning good marks came from candidates who defined the key terms in the question, that is, the meaning of a tectonic hazard NOT a tectonic movement, usually featuring Whittow, Degg's and Park's Model depicting the situation before and after the event. Weaker candidates tended to be factual in their approach which also entailed a case-study led answer with little or no attempt to address 'to what extent...'.

Higher level candidates were able to cope with the question 'to what extent' and followed through their arguments with reference to other factors, some weaker responses just referred to them as an afterthought or in the conclusion. There were a few candidates who just looked at the level of development as the only factor. Many candidates did not refer to the wording of the question and did not give data to support their concept of level of development. They described general social and economic conditions of the country or area eg 'houses were poorly built' as an example of the level of development. Most candidates were able to quote relevant models and very few gave no evidence of theories or models. However, weaker candidates did not refer to them with reference to case studies. There were some very good answers where candidates were well-organised with thorough research to support well-argued statements.

This response to Question 1 was awarded a total of 34 marks.

Chosen Quest	ion Number:				
Question 1		Question 2	×	Question 3	×
Question 4	×	Question 5	×	Question 6	×
You are advise	ed to use this page	e to plan your ans	wer and	then begin your answer o	on page 4.
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To what ettent is the level of development the mean fueter aftertay the dulleys pead by tecture hazed To Development of an area or centy 3 pres determined by its eleneny infrastructure and indistry. More important molice system terchorest includes the health of the area and its well book We make the level of development by baking what A certy con he described as a less offended described economists places of (MEDC) of a vere desclipant country (MEDC), there are also other mays of describing a courty's dekelopment. Challenges can be discribed as a test of one's abolities or reduces In this case the test of in certains recovers on denling out besteric Larads Testane Lesasts are clerts caused by be received of the lypth Copagere when testeric dates colode or new agent from one another. Exemples of these acts are Battagentes and Volcances (Durn ETAL 2008) When looking for the man factor for the care of digests, it is be as bring that carse be nest dange In this essay will arrive this guestion with a veriety of Casebachies and one attitle on the varyanest of tections elents with agod to on over's level of development. I will compare MEX's to LEX's and HE Crea new industrialised

ccentries (VIC's), and also with the use of an article Trathe country of Jos Japan is an MEDC. It has luge indistrial paier with many experts of a winely of denestic products. The side Kake earthquide in 20063 was a test of Japa's perly harning system, haver this did it go off as edy as people until need to prepar Genseles Er a lastiquebe when the 9 napitual earthquak but 300,000 builtings and heres were destriged on leaving 30,000 handers. Fires had stated due to believe gas ages and electricity calles, but the fireservice call reach the fires are so the bleded rods and lade of races The city's earthquite residute buildways managed to have less dange lat were tilted at an angle die bo the light Liquetaster of the greend. The government become underfine with cotion for not regrending calver to the elect and also because they do not accept ferrige and and a sestint. As a result 2,000 died due to topa the Japane government's national proble and rawin to not accepting foreign and. The "magnitud earthquake come as a crake op call to the government. They impreed the respense time for energery services, they argued the infastration of buildings and roads with the ese of testings the use of gas dut of values to present fires from starting to a result the 2004 earthquile in Chreston was knich faster and had less impacts

Cotions of Japan toll do not but the generalist Hence a cities of Joan do not trot the government and have derived their air mangerest. The contras come is still going at untillus or till open (cal yearly · Couck) In centrast to this poor magenat in Japan Makico It's GDP is graving every year with whiles expanding attracting TNC'S to meet. Meto is also a country with hith 36 volcanous and in 2006 Paperettest Vileans church soms of emptote, transvers at ash clarks. In colo to gratect its people the governat exampled 10,000 from Zwilligers count the US Ven exterior Tere The where is satisfied new to reces aby oil officials nee prefered to had at Ois mother Face makes ( abriles latines, con) Doe to the country of Escent Clevene youth, be on out to taken had not been dustoped The challenges George the country were not difficult as the Kite earthquate. For one the are around the colono has not been deleloprant and remain Mostly rateral with a Few wheyes theore it is goodly populated Kobel hour as dendey pepulated and therefore had a higher ulreability and real of resources to cope It is infew really to compretly as one is a video and the other on entrycute that is on LEDC and relies an lovings aid for 3 Use of its GDP. In entirely of magnitud

Strek de foloray 2009. Due to the certies lack of desclopent in copin with earthquakes the superts use Selvere In below the con bilding and house need debrayed, the cest offered were the holf a million living a stome ushes to maney with the cre of its what The Gudd's it their exports in tutories were TIL's use cheaplabor destryed by the cartacte and de Cenin 300 000 people at it ther ich. dod rot cedue the superts, a 6 weeks at the cevent Who was left in the rest man road and so supples card ext the guernest cital herld back and so new a certat to neet a delt at \$5 filler by 2011, 7 The (Stodeshere net) The challengs filed have are the same as the Kide earthquake, call not get to the when whe needed it most. Due to their's lack of themost cupabilities the conjusts or prepare in organy. other hand is a painful clerty with to They had planted before the exect but their techniques in taking to building Between csrving thernings



There were very few essay-style answers continuing a declining trend over the last few years.

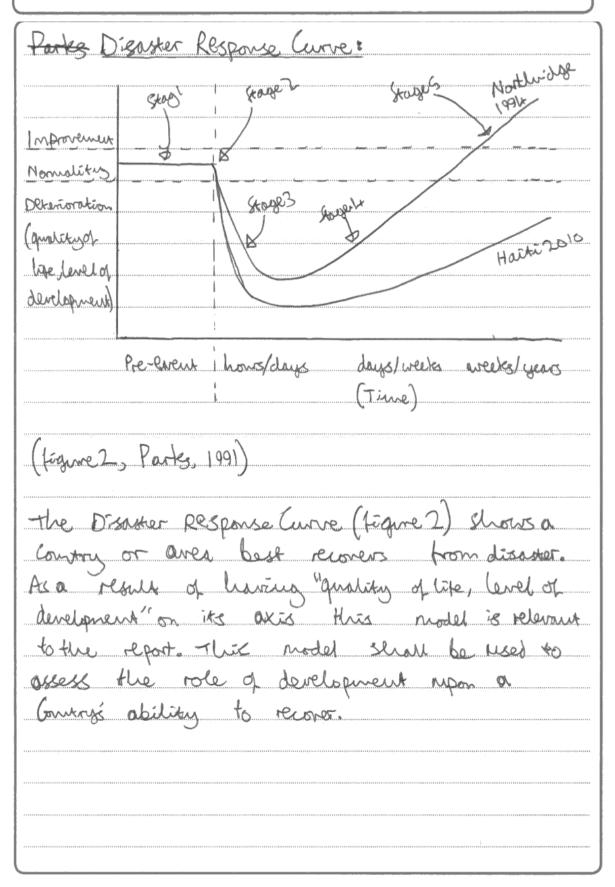


Remember that you should follow the structure of the report this is not an essay paper although the analysis and conclusion should indeed be analytical in the manner of essays. This is an excellent answer that clearly addresses the question with due consideration given to the key words in the title. It scored 62 marks in total.

For the level of development both social and economic tactors must be Considered. The World Bank defines a Conntry's level of development based upon its GDP per capita, seperating all Contries into Le distinct

Coresporaes, LIC, LMIC, UMIC and HIC (world Bank). In Contrast, they Kop: Annan defines a development developed country as "a Country that allows all of its citizens to line a free and healthy life is a safe environment (United Nations). HDI is often used to measure this, Thus, both definitions must be Considered when determining the level of development. Disaster/Trap (tigure 1, Blaikie et al, 1998) The Council model (figure 1) thous how Muherability Coupled with a tectoric event Can lead to disaster. This builds upon Magel's definition. The Courch model (tigure) will be used in this report to assess the role of development in offerting the

challenges posed by tectoric hazards. Is a result it shall provide the framework for the report.



Technological Perponse Diagram:
Modifythe Modify Modifythe Modifythe Loss Vulnerobility luent (and
la creasing technology
(Figure 3, Dunne et al, 2010)
The technological response diagram (tigure I chons how increasing levels of development, seen through "technology" and led to better our more exercise responses. This diagram shall be used to assess the role of development in a section country's ability to respond to a historia.
Methodology
The following are studies have been selected for their lack of bias and eterent elevance to the question. An of the are studies that help this report to assess the role of development in influencing the Challenger forces from a fectionic hazard:

Case Gudes	Rationale	Source	Bios
Haiti Eurthannie	Quartian value obility due to		
2010	porenty, Corrupt governance	Earthquake Map.	media Corporation
	and the agents of multiple hozord	Geoficaline, 2013.	andeducational
	influences the impacts	Georgiane mine, 2011	Moures
Northridge	Shows how high development	LATimes, 2011.	little bios-
Earthquake	anniamize Social losses	Allessto geography	news provider
199 Lr	and lead to an effective	Malcolinskiner,	and educational
	resease but with high	200	rlsours.
	Covanie Costa.		
Asia Temani	Shows how a powerful when	Spinger Link	little biles-
2004	and a lack of Preparedness Can	Journal, 2006	academic work
	lead to dissipo.	BBC News (A+ a	and global new
энтинэээллто таааат шинизээнч		dance Conniess	provider
· ·		Hit's	www.mananananananananananananananananananan
Japan Tenani	Shows how good peparedus	Glanzern, 2011,	little bios-
2011	lan reduce the impacts in	New York Times.	grobally respected
	the face of disaster,	Oktubura, 2011,	neus providers.
		Guardian.	THE
Egypyjallajotull	Slow draw a good Capacity	Financial Times 2011	little bins-pens
Volcano 2010	to cope (an minimise Coul	I celandic Met office	provider, governer
	losses but prove ineffectual	Reliq Web.	body and grown
***************************************	intenstionally.		1160
Moutsemal	Shark how a poor cupatity to	Deabyetal, 2001	Line bips-
vollano 1995	Cope due to poverty can lead	New York Times.	
***************************************	to Measter	1999.	and news publisher.

Analysis: Forthis report the Counch model (figure) Shall be used to provide the framework. Underning Courses: The nost Significant underlying Cause is foresty (Figure 1), which is a result of poor levels of development. Haiti is an example of this. Haiti is the poorest Country in the western hermisphere with a GDP per capita of \$1200 (CIA word Faitbook, 2013). Before the event in 2010, 86% of The population of Port an-Prince lived in Slum Conditions, 50% had access to latines and 33% had alless to clean water now (Glopile orline, 2011). Out of this foresty only 60% of Christien went to School. More Shockingly 32% of the nations GDP consisted of remittaires sent have from Haitians working abroad (Geo active online, 2011). Their walnesolity was greater Still. In 2008, Haiti had Suffered from L devestating lantiquakes from which it had not recovered and herneling Trill in the deterioration Stage (figure 2).

In Codast, the USA is the world richest nation with a GDP of \$15 trillion (CIA world Facebook 2013). California has a GSP of 91. 9trillion, 13% of the nations total, and is the worlds 8th largest conony it compared worthinds. The average and wage in Northridge is \$60,000. Thus, the levels of development are very different. This difference led to great differences in the Challenges taced. In Despite the magnitude of the everes being very Similar, 57 feople dies in Northridge While 220,000 dies in Haiti (BBC News). 22,000 were made homeless in Northrible and 1: Smillion were node homeless in Haiti. Therefore, the Social losses and though drallenges faced in Haite, the KC, were for greater than in Northdog. This was because of its for lower larly development. While this is tre of Social losses Some would argue that the financial losses for the HIC are greater. The damage for Northridge was Estimated to Cost \$17 billion, but more recent estimates show it was closer to Shi billion (LAtimes, 2011 In Comparison, the damage

for Haiti was \$8 billion, four Cower. However. this is 2/3 of Haitis and GD and then it could be said that the economic costs are proportionately greater for the LIC elso. This Can be seen fluoright the damage. 47,000 buildings in Northridge were damaged but 70% of buildings in Port an-Prince were destroyed (Skinner, 2009). Thus, due to its Convertends of development Hairis derevioration (Figure 2) is for greater than that of Northridge and the Challenges are greater. In Conclusion, Hurough the Case Studies of Hoiti and Northridge it can be Seen that the Challenges for LICs one greater than for HICs. This is due to their tower levels of development. The Fortal and Economic Challenges were for Greater for Haldin Dynamic Presence: Dynamic pressures, such as the role of the governent in the Capacity to Capa (figure)) also Play a Considerable role in Creating

Vulnerability leading to drallenges. Montserrat is an example of a poor Capacity to Cope. The GDP per capita is \$5000 and the total GDP is \$143 million (CIA world Footbook, 70B). As a result, very few measures were put in due that would enable the governeut to respond exectively. Thus, when the event hit they has no choice but to abandon the avea with 2/3 of the population nigrating doroad and the southern half of the island. including the capital city Physicath, the our port and the port, he was completely aboutanel (Digby, 2001). This reflects a nodity the loss approach (tigure 3), indicative of low levels of development. In Contrast , I celoud is on HIC with a GDP per Capita of \$39,600 and on HDI of 0.9, one of the highest in the world (CIA world Factbook). Out of this greater development, the I chaudic authorities were in a for greater State to react. River Channels were made larger So that the water would flow much faster away from the troleans so as not to Create bloss, the Same This repetts a response of for greater development os: 4

is an example of modifying the event (tigure 3). Therefore, his once again the level of development results influences the drollenges faced, as the impact on I claud was for less es only 800 Local people were temporarily revocated just as a safety measure (Reliefweb). However, development Carnot Control every factor. Importantly the atmospheric trind patients blew the ash don't created over Europe lesting to 20 Courties to Close their airspace (Ichardie Met Office). As a result, airlines lost \$200 million a day, totalling In billion and 100,000s of passengers were Stranded (Financial Times) Thus, development is not totally affective in Federing the Seventry of the Unallanges faced. In Conclusion, the level of development often determines the nations obility to respond to a tectoric hazord (Figure 3). Mortsenat and I calaudi responses differed greatly and resulted in very different Challenges anoterializing. However, this Connot be totally affective as Some factors are unontrollable.

Unsaye Conditions: Unsaje Conditions naturalise in the force of an event when there has been a lack of preparedness from the ever (Figure), which occurs due to a low level of development. The Asian Asimoni is an example of this. Indonesia has a GDP per Capita of \$5000 and 12.5% of the population line below the porty line (CIA world Faddook, 20B). Out of this poverty wery little has boen done in terms of Prepareduess. Thus, when the Event Struck it had terrible Consequences. 150,000 People died, 130,000 of whom from Inhausia alove (BBC News) and 1.69 million were made homeless. Between Sã Lanka and Indonesia Insillion people lost their jobs and an estimated Invilion Extra people were fut into poverty due to the lock (Springer Link Journal). In Contrast, Japan was never well prepared. As part of the Pacific Ring of fire Japan Suffers from frequent tectoric activity, including 7 notable lastliquakes in 2009. Asa result there had been many

Steps faten to avoid disorter. The cast Coase is fitted with Asuam warring lysery which are tested 3 times a day The strict building Codes mean that noun are carthquike foot due to Seel brigg flexiglass, hydraulie Shock absorbers and other similar techniques. Thus, when disaster the event oursel 15,000 people died. This demonstrates that the level of development proves to be very Significant in determining the challenges faced. However, in Contries some one always ruherable. While the HDI is 0.9 and the GDP per Capita is \$36,000, the elderly are vulnerable. To 23.1% of the population is aged over 65 and 65% of the deaths there from people ages over 60 (okinsura). In Conclusion, development Can go a long way to improve preparedues, reducing the Seventy of the Challenges faced. However numerability Cannot be totally removed, leading to known losses.

Conclusions In Conclusion it Can be Sean that the level of development is the most significant reason leading to the challenges faced. The Conuncts model (Figure 1) Seperates arrhierability into three Sections with foresty and a low level of development octing as the underlying Cause leading to disaster. This can be Sen through the examples of Haiti, Montserral and Asia. Specifically, 220,000 people dies in Haitie in 2010, Compared to 57 people in Northredge even though the fertonie breuts her somilar in magnitude. L'ilemise 180,000 people died in Asian in 2004 Wen 15,000 people died in Japan. Both of these events were of a magnitude 9.0, insicative that the difference between the Cosses was the deportue in a result of their difference in preparedness and larel of level of development. However, this Count always be said be true as the nature of textonic livents is more con plicated than that.

Count be been Completely Controlled, wind patterns



This is a very well-organised piece of work with especially good analysis and evaluation.



Keep checking the title - that is why on-going evaluation is useful because it stops you wandering off the point.

# Question 2

The question led to a very wide disparity of performance.

Weaker scripts often gave poor quality descriptions of randomly selected (usually) glacial features that were little beyond GCSE, including corries, roche moutonee and drumlins. In such scripts there was often very little attempt to link these descriptions to a distinctive or recognisable process and it was rare for there to be a consideration of the relative importance of these processes. Diagrams, when used, were often very disappointing with no scale and few labels.

Scripts that were around C grade were either competent on processes and landform, but not both, frequently having too much knowledge to apply it to the question, or were rather simple on ice processes but found some sort of framework (usually polar and high altitude glaciers and ice sheets) to attempt distinctiveness. The best scripts came from candidates who developed a good framework and focus usually by location eg upland and lowland and also by process type. They then devised a justified sampling strategy for selected landforms and then went on to answer the question. Equifinality was a useful concept employed by the top candidates. Around 10% of candidates had done useful glacial fieldwork of the look and see type, usually for relict landscapes such as the Lake District or North Wales but sometimes the Alps or even Iceland.

Many candidates used at least one specialist 'Ice' 6th form text but far too many just used the standard A2 books.

This was a very sound response that just needed a little more focus on the question to elevate it by a few vital marks. It was awarded a total of 55 marks.

			marking a cross i en indicate your n		
Chosen Question	n Number:				
Question 1	$\boxtimes$	Question 2	160	Question 3	$\boxtimes$
Question 4	×	Question 5	×	Question 6	$\boxtimes$
You are advised	to use this page to	o plan your ans	wer and then begir	n your answer o	n page 4.
Plan	***************************************	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			
	Framewa	·K	) Henry		
Alps	i- Su	<u></u>			
Laue	District	- Suy			
Anta	urctic -	Suo			
Conc	e inpoi	rtence u	curès ec Place:	on len	demt

Geomorphological proposes GROMOGR Noton Introduction Geomorphology is the study of the nateur and origin of landforms in gracial environments por example. Anderson (2004) defines a gracier as a mass of land or ice that deferms under its own weight and flows obconsigue Geomorphological processes form a wide rance of landforms which are vary in districtioness as there are macro, moso and micro secre landierns. There are also on accession of the contrasting alacial environments as there are active and react aswell as high certitude or high latitude acceial environments. High latitude environments are 60 north or south of the equator. In this report I will be focusing on three contrasting case studies and the landerm found there. There first case study is the Austrian Alps which is an active high altitude environment, the second is the Lane District which is a relict bour a lacical landscape cultion luisited on a field trip

The fuird is of the Antarctic which is an active
high latitude landscape.
In the report I will explain the importance
Of geomorphological processes in creating
districtive glaciae con derms:
The two key processes ( will be adolessing
are erasion and objestition. Erasion is
fre wheathering away of bedrock due to
que ciar acrión and deposition is when
he gracier loses energy inhouncemed area
so deposits material.
However I am area tuat therea are many
Fraka were landforms and process but are
to time they can't are be mentioned.
Francuore
Active Relict Active
High actitude Lake District That ligh lavinude
Austrian Alps V
Processes-approxion. The Antoropic
Processes-nivation, deposition
deposition Processes-
Landforms- deposition
cièques (erosion), ribbon (erosion) Landjerms
pyramidal peaks (erosin) drumins (deposition). Moraine
( deposition

# Netrodology For this report, I have used a range of both fext book sources and web sources. For example Glacial Geology Land forms and la sheets Rennett and Glesser, 2009. This is Or university to textoook so has information at at high level and research for this has been couried out at the University of Dournemontes. Therefore, this source hom is oppredicte as it is from a credible Scientific source. Also, pageson the publication date is recent so information on theories will be up to dute and correct. I have also used the Noutional Geographic website which is an educational esource so information is trustuoring and objective. The source also cese strong facets. a gield trip to the care District to view the glacial condporms so this was usefue in put theory to real

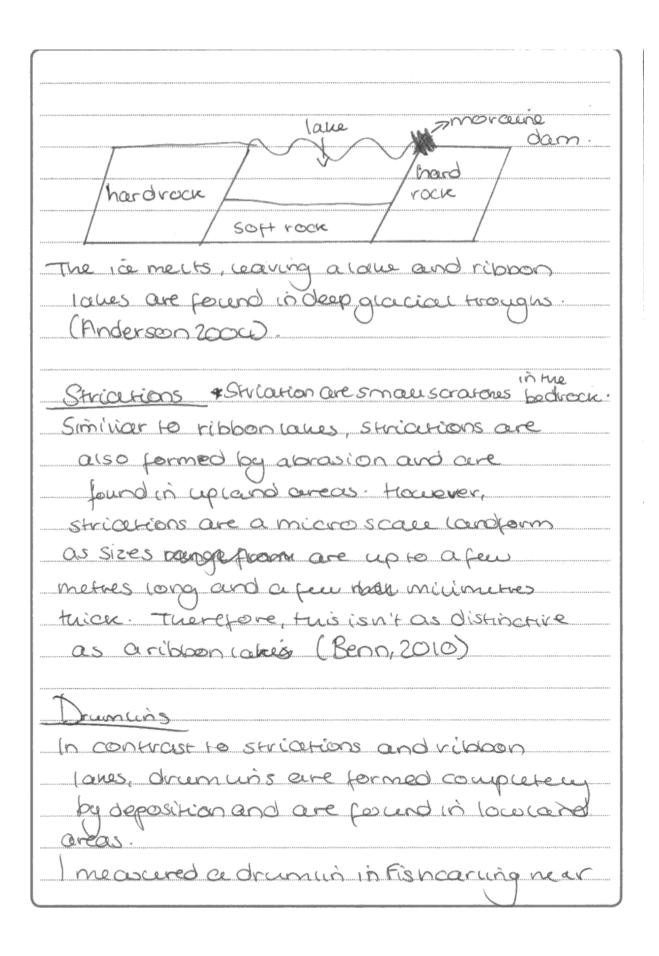
Claciers as a System
In order to know how a gracier forms such districtive landforms, first the way a gracier works as a system cend you it forms must be understood.  Like any system, a gracier is made up of inputs octputs and processes. The inputs into the system is accumulation of snow. So this snow here to last the year, finarefore tangethere must be subsero tempercutures oneo layers of snow build
upano become more compact this forms firm. Then the glacier frans downstope due to basar slip. Outputs Of the glacier are carred aboution So can be evaporation for example so the
Processes occur within the system as the glacuer acts is as a buildozer, scouring the lands eapo  (Anderson 2004).

Action Chairm Francisco
Active Glacial Environment
The Austrian Alps The Austrian Alps are made in of 925
glaciers; fire of these are over loum?
large. This is a landscape full of
Distinctive landforms such as cirques and pyramidal peaks and has some snow
cover due to the cold chimete.
Cièques
an Anderson (2004) definés a cirque glacier
as a glacier confinéed to an armichair or
bour shaped depression. Cirques are usually
found on the north east side of mountains
as this is where they are shaded from
prevailing winels. They are a mocro
scare landform and form in areas with
high accumulation as truis drives the
process nivertion
Vivation is the enlargement of a house
due to freeze trace parou concatuering,
Coase cousing rocks to loosen. Also, then
meltureter carries auxquithis debris The
larger debris is deposited further downshops
forming an erroutie and sualer

depris forms a moraine donn out the end of the
cirque, despening
Alorasian occurs, desping the horrowwich
is the erasion between rock fraquents in
fre glacier and the bedrock. Whilst this is
hoppening, purching takes place which
is when the glaciers removes dea material
from the bedrock. Pucking further
Steepens the headwall. Then once the ice
has neved, fuis leaves a small lake called
a form. The diagram below illustrates
a cièque gracier
1 >headward
debris
glacial ice
roraine
1 den
(Bem 2010).
,

Pyramidal Peaus Similiar to a cirque, pyramidal peaks are also a macroscore canoperm sucred be erosion as a pyramidar peak is an angular shaped mounteur top. Pyramidal peaks are formed where graciers converge on a central pant which for steepens an aretern Then three or more arque glaciers intersect back form a steap pyramidal peak. (Bennett and Glasser, 2009 Sub Concusion Both these wordforms I have addressed are le macroscour conderns so ave nugeur districtive and plana a recut rou in forming a districtive landscape: Both landforms involve the rale of erasion which includes tuention co neutro in and nivertien as without these processes a cirque glacir could not be formed. Man A cirque quecer auso involves the now of deposition so demonstrate frat various geomorphological processes Can work tegerner to create districtive conditorm & This case study doesn't include much depositions suggests that here deposition the important in forming districtive compleres but erasion is

Relict Glacial Environment Compared to the Alps, the Laure District has no snow Langdole Valley. The Lake District I visited the #Lake District and observed the landscape, below finding it to be fuel of districtive landforms found in both upland areas and loculard areas. The Lake District has also been mounded by gracial action, however this would have occurred during the last gracicel maximum This was the Devension period which was around 20,000 years are Ribbon Lanes Ribbon Leurs such as Lake Winderwere are macro seale Loundforms as Lane Windlerenere Is 67 metres deep, therefore is hugely distincture. Ribboan laws are formed as abression takes place over alternate bands of hard and Soft rock. So the coff rock is evoded forming a hollow basin. Then similiar to cirques fue glacier deposits tul to at the end of the besin to form a moverno dom The diagram on the next page demonstrates this.



Arnside which was 243m long and 18m.
high so this is a mesos care land fem:
However, sizes do range greatly from 5-50-
m high and 10-3000m long so the
districtiveness of the landform varies. So tris
Suggests that the importance of deposition varies.
Anderson (2004) defines a drumtin as a 'mound
of till mauded by the glacier. There are anumber
of different messies as to now drumling form.
The most accepted theory is that it is due to
subgraciae deformation so the mouding of till
under the glacier. This is when the glacier
frans over resistant rock which causes the granic
to s low down so deposits till here. The till is
then mounded along with the bedrock to
ferma drumuri.
Another theory in volves the role of melticoter
townion causes subgracial froods. There
supplación floods couse irrequarities in
the ground to form which are their mouded
into druminis log the overlying ice.
(Anderson, 2004)

Sub concusion
This case study suggests that the importance
of geomorphological processes certivary from
places to place in terms of creating districtive
landforms. This is because drumin
may be considered to be macro scale and
in others meso or micro scere.
Also, geomorphological processes
create a vide range of landloms This is because which vary in districtiveness. and the
same process of abrasian forms both
ribbon lakes which are mercio scou
and striations which eve micro score
So as stricutions are less districtive, this
would suggest that the geomorphological
Atocess of abrasion isn't very important:
Mowever, it does also contribute to ribbon
lanes primarion anichare districtive.
Active Glacice Environment
The Anterctic
the compered to the Lake District, which has
no snow or ice cover is the Antarctic
Where 98% of land is covered by ice. so
here, most of the distribution conderms

are covered by ice as ice success are around 2,000 metres thick. For example, mere are also drumins found have however they are not usible under the Mationalgeographic con, 2013 Moraine HOSPANA MITHOUGH a land form tucet is visible is maraine. Anderson (2004) defines moraine as fine acceen ulation of till ... due to aracial deposition. Moreune is found at the margins of glaciers such as at McMurido Valley axich is an ice free dry valley. However, moraine here is this and parchyso is a micro seace landform (Nicetional Geographic com Subaqueous Moraine Subaqueous maraine is ous visible at the Antarctic and is also formed by dogs the geomorphological process of deposition. Subaqueous moverine is found at the groundin line which is where ice begins to float. An example is at the Ross Sea and his is also a micros care conderm . (Bennett and Olasser, 2009).

Sub Conclusion						
Due to the climate in the Anterotic, it is						
	difficent to see are the districtive gracion					
landjorms. Therefore, it is difficult to						
*	the relative impor					
	pgical processes her					
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Here is a diagram to illustrate the range of						
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Micro scale -Striations (erosion) -Moraune	Les sole  Drumins (deposition)	Macroscale - Ribbon laws (erosion+deposition				
Micro scale  Striations  (erosion)  - Moraune  (doposition)	Les sous Druminis (deposition)	Macroscoue - Ribbon lane  (erosiant deposition - Cirques (erosiont Opposition)				
Micro scale  -Striations (erosion)  -Morcune (doposition)  -Subaqueous	Les sous Druminis (deposition)	Macroscale - Ribbon land (erosiant deposition - Cirques Cerosiant Deposition) Pyramidal Pechs				

Conclusion In concusion, it appears their the releasive importance of different geomorphological processes vary from place to place in Creating districtive gracial a landgorms. This is beceuse in anything some areas such as the Austrian Alps the key geomorphological processes see are erosional processes so his suggests that erosion is more important here than deposition. On the other hand, in the Antarctic deposition is more apparent so in terms of this case study could no be argued to be of importance. Whereas, in the lake District botha erosion and deposition form districtive landforms so in this case both processes every portent. In addition to this, the conderms themselves youry as drumling can range from being 5-50 m high and 10-3000 m 1 ang 10 can be mecro, nueso or microscale. Therefore Offinal depending on but the size deposition is important or use important: As well as this, the same process such as abrasion conforma range of landforms. For example, ribbon lanes whice are distinctive as they are macroscale compared to

Strictions which are less distinctive as are micro socie landform. the landform itself or the gracier environment. Bibliography PGlacial and Periolacial Environments, Anderson, 2004. -Glacial Geology La sheets and Landforms Bennett and Glasser 2009 Glacier and Graciation, Benn 2010 ane District Field Trip ionalGeogrape



Don't lose track of the question. An 'all I know' response' is very easily adapted to the 'debate' style questions. Look at the plan and introduction here and assess how well they address the question.



Keep checking the question as you go along. Highlight the command word or phrase and make your plan fit the question and not the pre-release steer.

## Question 3

The majority of candidates who chose this topic were quite confident with the material and it had clearly been taught well in many centres. As with the other questions the mark of the best essays was the correct balance between knowledge and case study material and a specific and clear focus on the needs of the title ie strategies to increase security and linking this directly to issues such as trade and aid, development, geopolitics.

There was some very impressive work evident, with some obvious and appropriate use of academic and undergraduate texts and sources rather than a narrower reliance on textbook material. There were strong links made with development theory and the work of NGOs, etc. Integration of this material into a report style was a challenge for some candidates and a relatively high number (approximately 10%) wrote in a completely essay, rather than report, style.

The best candidates created a methodological framework based on scale, development models, development level, case study orientated or they used a combination of these approaches. There was some sophisticated commentary on the role of the IGOs and HGOs and the influence of trade and aid. Improvements to food security came in strategies varying from farming technology (drip irrigation, GMOs, permaculture / hydroponics, and techno-garden ideas like vertical farms); integration with development strategies such as Excellent Development and water supply in east Africa.

Relatively few answers focused on demand-side solutions (such as healthy living campaigns, reduction of food miles, etc) but the politics of food supply were covered in the impact of development and civil unrest or border security such as in Iraq, Gaza, Darfur / Sudan, and the role of China as an increasing player (cf Paper 3, June 13) in the global stage.

Some answers were a pleasure to read – it is really encouraging to see that such work is being undertaken in centres. However, as with all other questions, there was a temptation for some candidates to simply write all they knew about development and food security in LEDCs (for example) rather than strategies specifically.

This is a very well-focused response which keeps the question closely in sight. The introduction makes it clear what the question is which is not always apparent in weaker answers. The answer was awarded 62 marks.

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Question 4	×	Question 5	3	Question 6	×
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Introduction. food security is defen when "all people at all trues have access to sove, sufficient, nutretion load to maintain an active and healthy lifestyle" to a defined by The World Suniver 1996 bod secures a ball on sman pular. had accessability approachility and availability Currently there is enough food on the plant to feed its Tellian inlabitants, but it's the distribution that poles ar usue and causes global food case curity. For example, in the I'll there are an estructed 2700 deaths annually on the NHS relating to obserty (Geo tactiliset), a conjunción to llo 840 sullion underwished in developing countries (FAO 2000). There are a range of global + local strategies worldunde that aim to cacrease food security of there areas, but there effectiveness differ from place to place in this report I shall look at the unan atrategies of food banks in the UK, UMban Agmiculture in Glavara, Gran and Grange fam in brooklyn I well also assess the runal estrategies of kickstart irrepation puripur Subsaharan Africa and the Alliance for a green Revolution in Africa

Methodology Introduction	-> The world sleath	Reliable du
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at the Trussell Trust website and so we aformation will be reliable however due to the information may be suggetly be as in order to perhade you donation and so I cross referenced his with the Guardian article "Food banks: Image yet receivery" to 208 to make sure my info-pratian was reliable due to it eling from a Broadiliest reuspaper

Urban Agriculture in flavara = 1 used an online article "The Greening of the Barries" which was reliable due to being produced by university lectured, research in the article has been cross-references on it is valled and also used some statistic from the Christe bartities.

Grange form Brooklyn — Tused the official website for Grange form for information purely information although may be somewhat exagglated a orde to look potter However in the FAD there was honesty in some of the regative and is the site was judged reliable:

Make Rungs website he general information about the pumps law used an antible from the Warld Bank entitled "Advantages of pump imparting in sub-saharon Africa" in arder to gan relitable upernation as it is from a governmental organisation.

Allance For a Green Revolution of Africa ->
I used "Allen" official websites to get
Yet general information about what the
organisation do generally reliable but
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to show how good they are in unique
effectivency:

Predominantly it is presupposed that read use curity of common that MEDU such as the Mander of the Mander of the Mander of the Mander of the Mental Changes to be enefit and completely went and unemproper to be enefits and completely ment and unemproper to be enefit and completely and particles.

In look an NGO charity called the Trutestell trust opened to Fry and solve the problem of food insecurity. There is a current total of \$25 to bank open and they aim to open 3 more every week.

There has been some positive effectiveness of the strategy, as in 1012-13, 346, 992

people were fed accross the ration that would have oblie were gone hungry.

The regitives to the took back are that, because they are a charty, they rely on funding, donations and volunteers, making them unpredictable, therefore unnellable. Additionally, in order for a food bank to open, they require a raille that reeds an assessment, the asserment to gain their cras been shought to be undelialle. Fina

In conclusion, the effectiveness of pasod badder varies in 'the industrial area, in they Romide Rood for Hornands of hungry people rationurde. Henere, the food securety cresis can not be solved by

food banks alone, because in 'the UK there would need to be an additional 750-1,000 to peed the Housands of hungry people - therefore only proving expectivé on a small scale

unban Agriculture in Maioina In 1989 The special Peniod in Time for Cuba) the Collage of the somet ania had desastating injacts as Cella 1 hood security. Lood injury accounted has 57% of the populations calonapie entake.

To respond to the food security crisis.

The public started graving Elreis own produce on terra cer balconies and lack gardens to provide her themselves.

In 1994 a relac in sale law meant that surplus could be sold her profit and unused land could be culturated into gardens and seed houses were created along tidl educative people of faring network in 1998, 8,000 gardens peroduced 50% of the country's organic vegetables.

Negatives of the Cuban gardens were that

Byganies and organoponies are expensive to purchase, and that produced grelds are often to to cost cost to sell, than the price of familie, naking it diphi-

expective for industrial parties as

Expective for industrial families as

Expective for industrial families as

Expective for industrial families as

Expective of lood

and supplies income but the expect
weren of the strategy is asserted when

linking to corte. The government was

aready bady expected when this SU

collapsed so is may not be able to purely

as many conventional forming methods.

Grange fam Brooklyn
Hew look is have to the largest 2 roof
to garden, and this solution responds
to kood a security in a leave urban
settlement in total the gardens cover
2.5 acres of land and produce 40,000
Us of arban custinated produce this
is positive effectiveness as is means
the city not only suports but grow
for diely, imprary reliability, but

also be cause the gardens of have pruste funding through kusinesses and equitycleans, but public also through funding and denations.

Degatives of flus itroitegy are that the cost is very right to maintain, and there is a los of worter than and knew we for the building of longside this leakages pose issues for the rooftops as it is expensive to stop and prosect prom in the first place tradly due to the outdoor withing the produce is exported to the pollution of the city and in winter marths, crops have to be switched to stop a cover foods, in order to

In conclusion roaftof gardens in NYC

pose a short term nutroation to the

problem of pood security but the

effectiveness of questioned as the

public do no have access to their own

gardens, and environment and clini
ate factor may made the productive

of graving due to keep as such an

exposed asban settlement - flerepone making à not as effective, aqueuer they do have access to technology to help. RURAL STRATEGIES Rickstar Impation Pumps Sub-Saharan Aprica has the worlds lavest agricultural producturity rate on a global scale, due to climation and technological reasons. For example, in the productivety rates declined from # 97% to 82%, from 1960 -> 1990. In \$ 1991 an NGO called kickstart produced pedal pump imagation systems that retrieve water from 7m below the ground, to help fames unigate the Kielde 13,000 purips have been sold whian has impated are 31,000 yes of land. these puntes take families from the portenty line up to middle class

Hoy produce Annual incario and yelds also increase by 100-200%. Hindre-mane 440,000 parmen fran a coross due region have created 87,000 agricultur

exterprises or attempts to answer que food insecurity crisis. The pumps cost \$3995. Havever, the regatives of these pumps are so that they are not always reliably successful the reliability depend-Son the crop, and the water quality Luthemar, very poor panulies way not be able to applied there is the first place, and rialitarence of the punios is experime. Evelepore meaning that longtern use may be nions expensive maintaining the eqinstruent their the post gained from the commodities produced In Conclusion, Rice Start Money Maker pumps are effective as colling the majorety of Sub-sahavan Aprila's food, itselivity, as they put forward relatively Weap, simple method to maintoin growing Housies the effectivenessis later questioned when assering reliability of the methods, and

can't a ctually help farmer that

method in the singt place. the Allibrace for a Green Resolution in Aprilea In 2006 the continental ideology of improving Aprica's food once curity crisis was put into place the Allende for a Green Resolution in Aprica (AGRA) yours on 4 main areas, kut 2 specifically link to the food crisis. There are soo improving seeds and soul. AGRA's seed policy (PASS) educates Yames on coops they can grow and ques jurles information on how to grow them. The Fund and Adoption for Aprica & seeds invested 6 million, and has produced 332 hypord crops. wothen in there are some rigat wes such as hybrid crops have to contract unum and resurtant disease and plats -> for example the amount of hybrids every in 2012 de clored by 48 1/2. Furthermore, PASS does not assures Africa's usua with

land degredation AGRA'S DOU policies attempt to vertore rand and make it more fentile and prentique for graving in 2008, they implemented the ideology of using fentilises on the land, and this, combined with parming methods of crop rotation, caused a 1300/0 un cheerie in produce, obry'euall hower strong expectiveness. Houling, who the the other, there are petfalis with this solution. For example fertilises are costly and leakages of chemicals can be very clangeous furthermore, these leakages can lead to entiophingtion of lakes and water sources, theofore hances a multipwer expect and we de curp rish supplies, which can a two herder food Recusty purties. In con clusion, AGRA waintains to set out fun grounds in while to help Africa gain and maintain

higher graving sevels of consucatives but when cooking at the possible side effects from this process, the

regatives con	ud possibly	hinder youd
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FOOD BANKS	LOOFTO P	URBAN AG IN
1	GARDENS.	CUBA
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Shel that soophop go food banks are
while least of effective because
and therefore don't affect too many
shople the foodlar garders in cuba
well place a cit most effective because
they offer more of a long beam

solution to the food crisis because is has happened to much en a local scale flies it was truned into a natiand chatoly, and cuban officials ever Gudight it could be an answer to the Road court at a crostle whole country RULAL ACLA EICESTART IRRICACION. MOST LEAST EFFECTIVE EFFECTIVE My reasons for labelling Ricketary incepation the most expective runder because a larger scale there can be issuer with the pumps it' well only affect small rale (e.g famule) whereas AGRA would

appet on a much langer scale and care potentially have more aerostating effects in this long tem. Additionally insight and princips are more effective belowing your flee help holds on a grand scale que more promy they proper the more many will go this communities and many will go this communities and weathers.

Overall, as the effectiveness of each
extrategy has its perfacts and regatrues, having rural and unbar strav
legies colaberating would prove more
perepricial in affective the population
and food exisis.

RURAL + BEBAN

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TOTAL FOR PAPER = 70 MARKS



The keyword in this question is 'effectiveness'. The best answers addressed the obvious question about how one can measure 'effectiveness'.



If the keyword is 'effectiveness' then you should use it both in the analysis and evaluation/conclusion.

## Question 4

As has become traditional this option produced the smallest entry but some of the best responses. There are four lines of argument to be pursued in order to address this question. The best answers had a range of 'different players' with identifiably different (and contrasting) attitudes to **both** specific and identifiable cultures and to the general concept of cultural diversity. As with the other questions, not only do the keywords and phrases need careful attention but also the command phrase. 'To what extent..', needs to be carefully dissected although, in essence, it is simply a question of addressing the degree to which there are discernible differences in attitudes. Less able candidates simply substituted their own questions, generally along the lines of, 'Write all that you know about different attitudes to cultural diversity'.

This report takes a sophisticated approach to the question and offers a very wide range of well-researched evidence that is directly focused on answering the question. The candidate uses different scales to provide a framework but resists the temptation of suggesting that different scales are the cause of that variation in attitudes. The conclusion is full of keywords in the title and involves both argument and counter-argument concerning the 'extent' of variation in attitudes. It was awarded a mark of 66.

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Uillians in	his 1983 a	cademic, work	as 2 n	our denoting a pa	ticular way of
life assoc	ialed with	agoup of pee	ple, time p	eiocl and humani	y in general"
and so the	gustian ful	los whethe their	e is room	in an increasing	y interconnectal
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voying allil	udes to the	se different in	ys or lip	in the world - Ce	tainly the value
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Es Gelicational Scientific and cultival organisation which is equally a reliable source given the organisation's longovity since its establishment in 1945 and the fact it is supported by 195 number states with voying viewpoints preventing a a political bias) as a "scarce of innovation and exchange and the common hortage of humanity" on its crebsile when where or the properties of the suggesting a possitive altitude that sees cultival diversity as a source of knowledge. However this common hortage of humanity and be threatened by what Thomas Matheil

considers in his 2007 book "dependent relationship of the poorer nations established by the impartation of communication hardware and foreign suppose that allows durrestic cultures and habits." (Thomas Mephail is cayally a reliable surce given his occademic credentials as a profession at the University of Missouri St. Louis and his experience at UNESCO). And so it seems that as television and the internet are spread around the world by TNCs originating from correspondent into connected weld; it will have representations at allowed to the globalised informered weld; it will have representations at allowed to the global to the local. This report will examine the altitudes and responses to cultural diversity to players on the global level, then the attitude of national players to the cultural diversity and identity of their nation and finally the attitudes of specific cultural groups and players to diversity on the regional level.

## Attitudes to Cultural divesity by player on the global scale

The altitude and responses to the world's cultival diversity by glubal players such as TNCs with a global reach appears to be particularly antivalent when one considers how some players may have an prignorant allitude to the value of cultival diversity and may instead by eading it and facilitating 'cultival imposition'.

Cultival Imposition is defined by Sussex university lecture. So south a Good take as the imposition of a cultival package against the informed will

of its recipients and this neglecting altitude to sustaining cultural divestly appears the chon one considers how McPhail's statement that "new preion information will cause the displacement, rejection and alteration or pugetting or native and indegenous austones (Global Communication, 2007) is domenistrated by the

global decline of language diversity in the world. Currently 78 % of the world's population speak the world's 85 largest languages whilst the 3500 smallest longuages share a rove 8.25 million people and some longuages are control to small or declining indegenous cultural groups such as the language of the Soi people of Mexico's Soneran deset which is sporter by only 650-1000 indicating that as global languages spread around the world by business and communication networks durninated by MEDCs and promoted by TNCs and with an attitude focused not an cultural divesily but an profiting in fireign markets, such as English and Mondain it has eroded the linguistic customs of indegenous authors whose yunge geneations choose to leave behind their mother longues for Susiness apportunities (The above in providion on language divesity is surred from Russ Rhyrnes atide in National Geographic Vanishing Voices, and is littly to be accurate given that it is from the leading publication of one of the world's largest scientific communities, the National Geographic society established in 1888.) Additionally the championing of soft pure by US TNCs Disney and Viacum with a commercial altitude to foreign newhols rather than other althers may have ended cultural diversity further. "Soft powe" is defined as "& review belowing fust food, fashious and there parts that spread validate and reinforce cultural norms by Mathew Fraze in his 2003 back Weapons of Mass Distraction and certainty the prevalence on US TNCS Viacon's promotional altitude to US culture at the cost of others can be seen in the fact the US music including accounts for one 50% of global music states (McPhail, 7007) However other global players have more positive altitudes to cultural diversity and have played on active role in sustaining and valuing it as seen with

UNESCO. UNESCO has the finded the protection of 962 properties it recognises as important cultural landscapes as part of its World Heitzge Site

list including the historic contre of Progree indicating that some playors have taken a more positive a bitude to cultural diversity on the global scale and such the existence of the World Heitings list indicates such diversity is being valued and entained globally.

The altitudes of players to cultival diverity on the national scale

Consequently players on the national scale trace exhibit a huge variety of attitudes to cultural diversity within specific nations usually municated by agreements bused around cultural identity. For example Japan has tution a layely dismissive altitude to predicted it am cultural diversity through the presention of its homogenous suciety and discurragement of diversity nationally to sustain its unique outhral identity. By. This can be seen with the country's pupulation which is 98.5 1/2 Japanese and only contains two region ethnic groups tracean and Chinese which only reduce up 0.5% and 0.4% of the population respectively whilst Fapenese Japon's main religion is Shinking which originated in Asia demonstrating how the Japonese government has fatoen a dismissive altitude to outside cultural influences such as Christianity from the west as the above statistics from the CIA world pact book (www. Cia gow show. Argually though by maintaining such a discuraging attitude to cultural divesity nationally, Japan May have helped to maintain it on the global scale by maintaining its cultival identity to remain distinct and cumbat the cultural imperialism of the US and has even been able to naintain authoral exchanges though the global exports of Japanese soft pure such as suchi, anime and video gones. Indeed other nations have taken a por-active altitude to sustaining cultival diversity and a national cultival identity through

Sort pure exports as seen with the rapid expansion of India's Bullywood flm industry. Shashi Thorour agues in his makine TED lecture "why nations Should purue sort pave" (agnally a reliable source given Hart Sharhi Thoron is the Indian Minister of State and Human Resource Development and wanted further UN giving him experience on India's global artificm) that "Bullywood is taking a cetain aspect of Indian cultive around the globe and points to how on Indian Soap open become the nost populate television programme ever in Applanistan, demonstrating how a pro-active attitude to authoral diversity by a ration that regards its culture as a creative apparaty may help to sustain cultural diversity. Have other national players have tuken different allihudes to cultural diversity within a nation as seen with the Ut governments promution of its diverse cultural hourtage with ib multiculturalism policy to reflect the divese cultural mix of the Ute sterming from the reigration of auction to the Uk from the former colonies of the British Empte like Jorgica and India in the late half of the 20th century. Indeed the success of this positive attitude to cultural diversity can be seen with the continued occurance of the Nothing Hill Carnival in Landon since 1966 which celebrates the Caritean cultural group of the Uk as part of Eupe's largest sheet pestival. Couse. He nothing hill cornival could However many have pointed to the fullnes of this national pulicy and allitude as seen with David Concron's statement in a DBC sandsite that "multiculturalism has pailed" (the before-hand Statement is surred more the online BBC news article "State multicultural has fuiled says PM" (Feb 2011) which is agreedly a reliable save as it contains a sundbike from David Comeon himself and is produced by the BBC which is accountable to the Uk public is toms of accuracy though the payment of TV license goes) and "we have allowed the weathering of our collective identity" indicating that such a possitive attitude & national players is

not without its critics and pailures and may have negatively impact the Uts cultural identity.

Attitudes to Cultural Diversity by players on the regional scale. Furthernore specific indegenous cultural groups usually compined to one region display a variety of altitudes to authral divesity. Some independent groups a again display a proactive atitude to the sustaining of it and have used the global spread of soft pare and communication software in better promoted presove their haitings in the modern world as seen with the development of a regional newspaper and iphone dictionen app by the Tuvar cultural group of Mungulia and Siberian Russia to better preserve and share the language of the Tuvan people which is now sputrer by 235,000 people (Russ Rhyne, "Vanishing Voices" July 2012) Additionally other isolated althout groups have been equally proactive and and valuing of animal diversity as an important part of leitige and have wood the feethodogical developments such as video recording and realist organisations equipment spread around the world by TNCs, to their own advantage as seen with the tragi people. The tragi people are an isolated indegenous group in the Siera Nevada de Sonta Mater mentais range of Colombia who have collaborated with BRC documentary film make Alan A Ereira to record their wique way or life and worldview as the trogi people believe they are the 'elder Snothers' tasked with safeguarding the world through film to promote their cultive to a wide audience in the film Alune (www.almathemarie.com) Once again indicating that player who see cultural dirosity with a creative altitude as smething to value ray aid the suburing of it. Furthernure other cultural grups have viewed cultural diversity with a similar creatively-driven opportunistic attitude to create new unique, hybridized cultures cossissarsit

From as cultural appropriation. For example the Yords cultural gamp of Migeria have used the Hun of US Soft pure in the form of pup music to their and advantage and have combined western music expans with traditional Yords and masters of Oriti prouse poemy to create the new unique "Tryji a music genre indicating that these regional players that view culture and a surre of innovation and exchange may find new and in this

case corrected apportunities in the coolds cultural diversity. (The above information on the creations of Figir music is sowed from train Barbers of report "traversing the glubal and the local: Figir music and practice poetry in the production of contemporary Variba people popular music (1995) which is croperty reliable as training to be a professor of African cultural anthrologopy and so has experience in this field.) However not all altitudes to cultural diversity by regional players are positive as seen with the mass alterations of the Tister Cultural landscape, defined by Carl Sauce as "an area made up of distinct association of forms both physical and cultural" by thing appeals to occupation of the area since 1951 as it has invested in mining infrastructure and transport kints on the plateau displacing the Tister people and their cultural austoms carried around normalic bearing on the plateaus grassland, due to Chimais altitude to regional cultural diversity as a threat to its sovereignly and pulitical industry as a unified communist state focused on economic development es expressed to braditional indegenous cultures.

Conclusion

There is a huge variety of alliholds to cultural diversity at all scales. Godely those appear to be a divide between the neglect of cultural diversity by US
TNCs multiplied by commercial altiholds as sean with the rise of cultural inspersals

ond dealnie of language divosity wathride whilst UNESCO displays a none positive altitude hother wild's all through diversity and has twitten by sustaining it is with its world he itage site list. On the national scale, Japan there is also dispressed it within its own cumby in vawour of a strong cultival identity whilst India has taken he encepsulating cultival diversity through Bullywood films and the local scale indegenous cultival groups have displayed a positive altitude to cultival diversity as seen with the roles of the Twan and troogs peoples who have sustained it through film and

music, whilst regional player such as the Yoruba people have recorded author)
directly as a creetive apportunity of exchange as sear with its arcation of hybrized

Faiji music. Convequently China has taken a negative altitude to cultival directly

regarding it as a threat to national suseignty as seen with its displacement of

the Tibeter without group. Agreetly however these a positive, arealist altitude to

cultival directly as a same of exchange, innovation and of as seen with the

Yoruba and troog people and the Bollywood theory industry of Indian

appear to be nort effective at combatting cultival imperialism.



The best answers address the question directly rather than simply rehearse well-learned case study material.



Using different scales can help candidates focus on the question and to identify differences in attitudes.

## Question 5

As with the other questions the differences between the question posed and the parameters suggested by the pre-release material caused some problems for weaker candidates, and consequently too few gave thought to structuring an answer. The focus of this question is the relationship between health risks and the management strategy chosen to reduce/ eradicate them. There are many economic, social, political and physical factors determining strategy, not just the actual health risk.

Too many candidates simply re-wrote the case studies, which were often impressively detailed but these answers couldn't access the higher marks automatically unless the 'casestudies' were made to 'work' by being applied to the question posed. Many candidates wanted to simply link management and development - thereby writing a different answer to the one required. There was a lack of recognition of the words 'type' and 'degree'. Although candidates did define words such as health risk (many health risk equations), only the minority gave thought to these words and yet this was the basis of the question. Those who used the type of health risk as their framework were able to identify other factors and so get to grips with the question. Weaker candidates who used factors affecting management strategies as their framework could not answer the question 'to what extent...'. Some answered different questions eg relating management strategies to levels of development or gave a very descriptive answer of case studies with no reference to type or degree of health risk, eg this is the health risk, this is the strategy used with no evaluation.

This is an example drawn from the top end of the mark range. As with other stronger responses it is the focus on the question that is impressive and the number of occasions when the candidate returns to it to make a point that ties together the evidence presented with the argument that they are trying to construct. This is best exemplified in the conclusion which addresses the question directly. This response was awarded 62 marks.

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Stronger answers such as this are not necessarily longer but they are often full because, as well as presenting evidence, they also evaluate the relevance of that evidence using terms from the question.



Remember to use the words in the question in your answer. You need to 'come to a view' about the question that you have been asked and try to avoid sitting on the fence.

## Question 6

This was a fairly popular question in which responses from candidates varied from the very good to the poor with rather a long tail of weaker answers. There was a wide variety of case studies used but not always effectively in addressing the issues of 'increased and changed'. The weakest answers tended to list information about the chosen case studies, which were predominantly drawn from tourism rather than 'leisure'. Although these answers defined rural in the context of the question and, indeed, other terms like threats and tourism, there remained a tendency to neglect 'leisure'. Another key problem of the content was the lack of variety in the case studies selected making the reports degenerate into a 'wallpaper' situation where everything was repetitive. Many candidates could have chosen from a wider array of case studies although this all depends on preparation in the classroom.

Stronger responses addressed current problems featuring the increasing number of tourists at selected attractions and the consequential environmental issues. However, relatively few cited the impact on existing ecosystems and the long-term effects and very few saw the threats as being anything other than environmental. The focus on 'change' was limited to the very best answers and explored both negative slants where 'tourism kills tourism' and positive ones entailing steps being taken to resolve the threats from small-scale examples, such as 'stone pitching' and 'sub soiling' to avert footpath erosion, to the much larger-scale resolution of carrying capacity being exceeded both locally and more widely at a national level. These candidates sometimes addressed threats such as an over-dependence on tourist income and the impact on the wider economy; for example the Maldivian economy is obviously very exposed to global economic crises and there are also interesting comments to be made about its attempts to develop a 'sustainable' model despite its complete reliance on long-haul air transport.

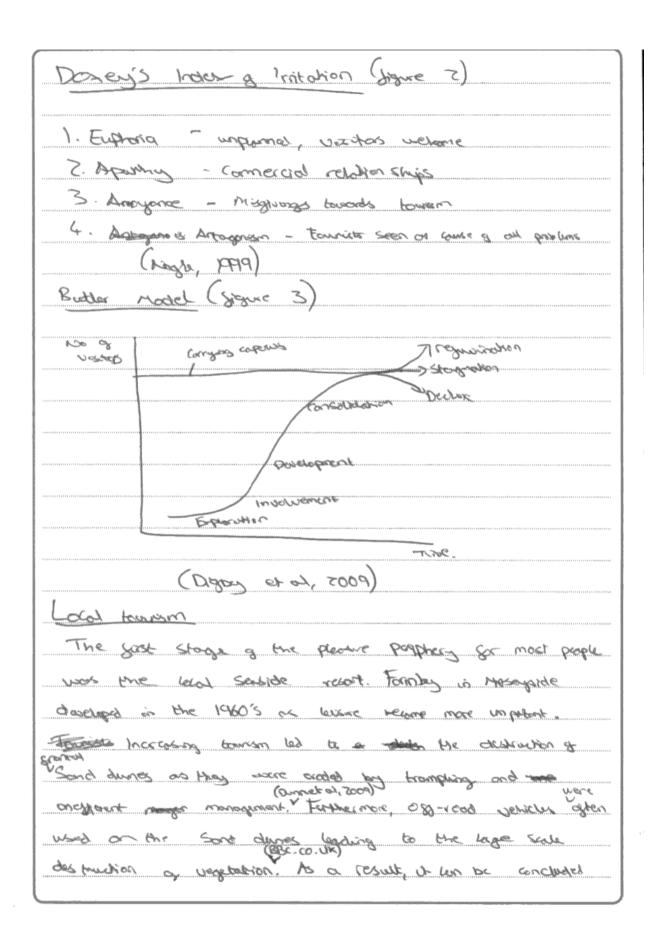
In this question the correct answer should have been - 'Yes the threats have increased and "yes" they have changed as well as 'both tourism and leisure have changed both spatially and temporally'. Candidates who stuck to that did very well.

This was a stronger answer than most. Case studies are 'fit for purpose' - change and increase are both explicitly addressed in both the introduction and beyond. There is room for a more direct focus on the question in places and both the conclusion and the analysis could use the key words with greater regularity. This response was awarded 58 marks.

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Moduction rande bushess which used & have no touriet faculties are now body used by bourists. Although this has bought posporty it has also led to a delibre in the often Stagille rural landscapes" (Geography Review, 7017) This angle highlights that as burson has incleased in rural lastons the threats posed by bourson has also increased overtime. In order to answer the question it is important to receiptive that tourism has changed both is notice and in level. The nature of booken has changed in the ways : in scales, through the pleasure pariphay we are now travelling a more locations; and integer no larger is power busine seen as another by their they now wish to experience culties and more also demanded an more achories such as extreme sports. The well of tourson how also changes soon snow-scale towner to mais towner which is placing screening threats on landscapes and selbements. & a rouge The threats of burson have changed privally due to of locations being openes up but thou have also changed within robots as the Butter Model and Doney's Index a linetion highlight It as impotent to know that the threats possed are

felt by the conductoe (environmental) as used as correct agely by settlement (social cultural). Nagle, 1909 States that tourism is tour control toling place away from the home for at least 24 hars, while little en imposses all less activities and tourum tolen either at home or not therefore they are great used interchanogophy. The models used unorighout my evay will be the Butter Model (to highlight changing wasports silting a resoit), \$ Doney's Index of Initation (to show the Cultival imports of Gord from in according tourism) and He playere parphery to show how the changing notice a burish due to borries being broken has also Changed the treats posed). The Playsure Poriphery (Source 1) (Sean a UK DESPURE) But usn Seescole u 1970's-1960's Mediterroneon 1960'5 - 1980'5 racto Lay had destructions 1980's - 1990's eq.N.America The world's most 1990,5 + remote locations + CLOBOWSM adopted from Beyone et of 2009 and Duret of 2009



that increasing buryon and a changing Change tourist activities land to a decline in the enveronmental Regional Scale The Love Doynet was granted Wolford Park Story is 1951 and cettracty 17 million tourids per year (whedutant gov. UK). As a rossall, of its nothonal part designation, only limited changes are permitted to the landscape, however this status and attents more visitors. = lottally the terret input were pully enromental solo on retul year nozone magazz axus activi co Combain to an increase in mose one as pollution prough the morcosing use a cos. Humar, as disposable isomes have socialed more people have the ability a puchase School homes and many to Chance the Late Dubrict, boding to an masse in the ocarence of hollday homes - it Stords at 17% in the late District region and on high as 40% in some orthogra (actorday) to the 7001 Nothard Census) - not only become a or increase to popularity but 350 bacuse stick planning Louis to mean gui new homes an be built. Demand for Monies in the area exceeds suffery co house poples is used dramatically, & leading to many local people especially the young being purice ou the mattet.

War 2010 also sepose that were second homes are Connon, ghost bours a village are crosted because they ore not used all the time so the value hales committy. Furthermore, they do not sept see but stops and Services morning that they so into dalar. Cultural differences also belong product as soon in the welch Williams which we seen on inguit & second home owners from England. It is order that Doney's Index a limitation can be explicit here as torrise are now seen as the sor lawse of most problems so ortogenium has been reached. The Law District shows that threats posed by human have changed from purely automant were now include Social and cultival aspects that I we rise of several hones Medillerranco Dight I at 2009 uses the Buller Model (Signe 3) to demanstate that without is the woodwaren and explication Stock offer were little threek posed by forther of the had in merche and age. Husser the arrow of the moves during development has nearly that the infrastructure lours not age leaving to a deline in the area or execute it was accorded with levers and tourises The February also reported in 2013. Hot the resot west via device because the water ingravative, although pour sonsocial dig was born bloss consider

conving apacity to be really and leaking to encounsertal problems of Sallwater incurrent of aquiper and the pollution of meny water resources. Lorg-how Howaii Nos affracted bouries so the 50 years but its actioned a 45 problem (notional aceptathin, 2007) terms of its see inacconditions of man of the islands. This is accordability rod led to moster (is children and the disurded tents and human worker being stream thoughout the islands leading to the deline of its onvionmental greating & quality, and pulting on surver tourists. The only way to remove much a my waste is by hetropter = which also courses problems of noise and our pollution. Albrough toward now posed threats to the environment 9 Howell a has also votrosed the Arests feed by the Locals. Jonathan (soul is proporty or Paradise epresed his Green that tourists have a "domesting steadype" of the wal Cultical and that there is an issue of "Cultical possibility", Mach beach now Homen may a bie-council rips of a concertic atmosphere is an idillic setting Somorold by fun-loving, had suit-wearing book However this is simply not the case and locally howe belone so arrays that Hey ar now leaving the islands (according to the Daily Telegraph only 6% a us population are now notice) at an alarman rate. This

ance again vidials me Doney's Index a Initation after the locals have gone from Explain a compa a higher wage to actorprism due to rising prices and Cultural procidention. Ecotours It is generally assumed that increasing bound number back a dulie of a landscape, but this is not always the case (Adom and Holmes, 7010). This olde is important in religiousing that the threads posts by lessure and borren & has not necessary always been true. The Pasadas Amazonas Big Lodge in the Amazon Painforst is adopting explanted as a man's to actually ducaring the threats pered by other industries such as money and legging. The Injurior Timbe will our 100% of one laye by 7010 and Diglay et al 2009 awas that the environment and landrage in who as por the barrier of forces parties the part to put hust for arrive because brief doned to see one unique wildligh Also on alternative income is provided so bot the work for Purhose Good Grown more Sustainable rosporces = Firavood is

not needed for clashing of some porch oracle all the electricity

memby the Siest on be by on its notice State Most

posed by it are moun less than hose posed by badilional

excluse that this tourse should be orlanged belowe the throat

town yet the general up a me cover in instally incover

human alkeity is one of the lest route locations or out

and these thus the pe throug posed may start to interest overting

cos As when the commo so the source of the America

on roods used are unsuitable for use which course a loss of agetation. A Hora zation orgue The p one strate that "the untrowny use of the Anoton Paingrett Sir personal gain, whether hat is through extraction of resources, reason or towish will lead to the ultimate decline of this precious resources and its unique Cultures". Conclusion. It has belone evident gran my case studies that the threat posed by live and benear in real aces was increased one and changes over time. The pleasure periphery highlights the Changes a nature of bourn (sodicating that we are willing a travel further opied for lower and as a result demand a wyner use of the landwage) as The habire of bourse has also changed from simply using the environment to demanding that we integrate with the allers is which we are with along. The level of bourson has also changed from small scale (such as in Formby) a Mass burism as seen in Room the Meditionanean Howoii -Formby Shows the initial Stages of the Please perplay and that as terrists use consumed the larchange but possed With Unreat to the Culture. This may be belower forming was

So local meaning that Cultures of the hosts and lourner age very somion so ever was no rowalth consular. The Law District shows that as we move through the place property the answerted durings gold increased become these up a wider range of imparts from soutpour crotion which promonenty donoral the landscape to congestion and pollution as a result of correspond forthe numbers and little infastructure. However, the Lok Destrict also Show that as our relativishing with forward Orned so be how the thronts possible now course in pression on the local housing most source and to colo to become amongs that there are no services and they Corner out on the popolog Lader Bonidorm is a prime chample of the Encrose in bursen which annes more threats to the rural acas and bas now most that a on to longe be considered rard, while the environment went into de une Howaii highlights that as our interaction with the orces in which we wait changes the threats become much worke. The media has porrays as willie idea of the islands and council pre-concevel wear on the or local cutture which has coused many bears to become agent indicating Doney's index of tritolion. However, evolution which is defend as have which was the enument in a sustainable manner (and Prosser 1994) has allows burson threats to artifully of the results and promote the own or a place & look exter.

"The about kouseller in the best patremen of the environment is was by Dowid Lawlor in the Orient Local Villes to specific the series that sain theat if people do not experience new lawlings may just be as about a tolk action to potent it thus promating towns on the Amaton.

It is also that the boson for Gousel angue and viveress pruses an rural arose leading to be complete vivere with now require a complete range of solutions. The one size solutions and we need to be propored to lamb analysis and we need to be



This answer again demonstrates that stronger answers are not necessarily longer but they are often full because, as well as presenting evidence, they also evaluate the relevance of that evidence using terms in the question.



It is a very good idea to include the broad direction of your answer in the plan - in this case 'yes they have changed and increased'.

## **Paper Summary**

The best reports are a pleasure to read. They show both thoughtful teaching and real engagement on the part of candidates. Whichever option is chosen the mark of the more able candidates is their ability to adapt what they know when they enter the examination hall to the constraints that the question places on them. These come in the form of what is usually a contentious statement that requires a critical engagement on the part of the candidates who need to address the title directly, rather than present more and more case study material because that is what they prepared. It requires a certain intellectual confidence to take on a question but that is the key to top level reports.

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

- It would help enormously if the introduction makes clear what the general view is the best reports make the perspective clear from the outset which helps candidates stay 'on track' throughout.
- It would be very pleasing to see the 'answer' feature in plan or, indeed, explicitly in the introduction.
- Remember to write a report, not an essay.
- Focus very clearly on the wording of the question so that you don't just write all you know about a particular subject/issue but address the issue raised.

## **Grade Boundaries**

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

http://www.edexcel.com/iwantto/Pages/grade-boundaries.aspx





