



Examiners' Report January 2011

GCE Geography 6GE01 01





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Introduction

6GE01 Global Challenges January 2011

This was the fifth time that this paper has been sat by candidates and an excellent understanding of contemporary geographical issues was displayed in many of their papers. Teachers seem to have got to grips with the content of Unit 1 and there is evidence that contemporary and global geographical issues are being taught effectively. Many students demonstrated good examination skills and issues to do with timing are relatively rare. It is, as always, important to prepare students fully in terms of examination skills especially in terms of the different demands of Section A (breadth, shorter questions, data stimulus skills) and Section B (depth, extended writing and factual detail). Some candidates may benefit from considering their choice of Section B question as it may be the case that many candidates choose Q7 almost by default without considering the merits of the alternatives. Question 7 was the most popular essay question by a considerable margin.

Question 1(c)

There were many good answers that conveyed detailed knowledge and understanding of the conditions needed for hurricane formation - and possible link with global warming in relation to changing magnitude, frequency or areas affected. Weaker answers made a simplistic "warmer water = more hurricanes" connection route but failed to state that a critical sea temperature of 26-27C is needed (nor did they distinguish between higher frequency and magnitude of storms) In contrast, the very best answers made specific references to key areas or track location changes.

(c) How might global warming increase hurricane disaster risk?
(3)
As the sea temperatures sise hurricane magnitude
and Frequency's one set to rise with seatempleatures
exceeding 27°c more often, it will offect people
further away from the equator of moto Ecuatoration
abbeen will haften-faster meaning the magnitude of
hurricanes will in crease and wind speeds increase.



An excellent response that makes all the right points.

(c) How mig	ht global warmir	ng increase hurric	ane disaster risk?		
Global	usimji	na wil	I increas	e the orea	
oj	heat	brand	they in	e the area the areas	
this	will	dax	ye a	ir pressures	
-50 m	ore hu	manes	will a	xeer and	
		be Sh			



The first idea is not clear enough but a mark was awarded for the idea of increased frequency as well as magnitude.

Question 1(d)

Some very good answers were seen that effortlessly attained the maximum mark with clear development of points and appropriate specific references made to a range of equipment and technology that is available both to record earthquakes and to disseminate media information. Weaker answers tended to focus solely on increasing disasters due to human factors such as population growth, thereby omitting the "reporting" keyword. Better answers often made use of an applied example such as Japan / Philippines. An extremely common misconception is that technology now allows rich countries to predict earthquakes. This is simply untrue.

(d) Explain how human factors have contributed to the increased reporting of earthquake disasters.

(5)

** Tubble left has improved which has had to scientists big able to measure when and where carlinguelies have lighted.

** Degulation in a win area submobile to earthquality has hed to earthquality has hed to earthquality has hed to earthquality has hed to wint it is very only to the ling of Fix. in the Paritie.

** Tubvision and communications has had to places a other in vooll not have been contained as a required a disaster than yething a left of multi-cause; for example that is carlingly a left of multi-cause; for example that is



This response scored full marks.



Structuring an answer like this is perfectly acceptable. Here there are three ideas, two of which are extended / exemplified - so the reponses gains full marks overall.

Question 2(b)

High-scoring answers clearly demonstrated knowledge and understanding of adaptation - as opposed to mitigation - to manage climate change. One reason for relatively few attaining full marks was confusion over the relative costs of adaptation and mitigation. Assertions that adaptation is 'cheaper' could not be credited - as no time scale is considered nor are the costs of successive replacements (e.g. of Thames Flood Barrier) acknowledged (which might reasonably be expected of AS-level candidates). Only a few of the better candidates commented on relative cost when looked at over short/long term. There were also many sweeping statements about "people not having to change their lifestyles". Candidate response for "weaknesses" were generally stronger. A few made some credit-worthy references to biodiversity losses and offered examples. Quite a few candidates gained 3 marks here - which often meant full marks overall despite only scoring 1 mark for "strengths".

(b) Describe the strengths and weaknesses of adaptation as a way of managing climate change.

(4)

Strengths

Using wind hurbines closs reduce the amount of greenhouse gas emissions

recycling schemes are are sustainable way of reducing the amount of greenhouse gases are emirred weaknesses

Weaknesses

Wind hurbines are separationether polluting and you need alot to create the same energy as a coal power station



This shows a failure to understand the meaning of "adaptation". Unfortunately, there were many more answers like this.

(b) Describe the strengths and weaknesses of <u>adaptation</u> as a way of managing climate change.

(4)

Strengths

They address the present situation of climate change which his already occurring and affecting parts of the Earth. Even if we stabilised emissions of greenhouse gaves climate change which his adapt to now environments. It will also allow development of countries with fossil fuel usage weaknesses.

It will allow glubal naming to stru happen and the regums of

It will allow plubul naming to STU happen and the regums of the norld will still face decline in budiversity, higher pollution, and more hydromotorological disastors. To add to this, it

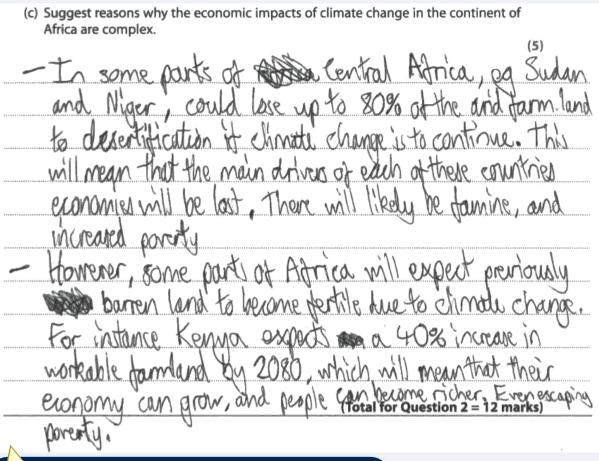


In contrast, here is an excellent answer that understands the topic and shows first-class exam technique (the points are precisely stated and show some variety of ideas).

Question 2(c)

There were varied responses here according to how well candidates had revised their compulsory case study of the continent of Africa. The two examples shown typify the polarity of responses. Good responses recognise a diverse continent with a mixed economy (including some emerging economies almost on a par with Bric nations). Weaker answers describe Africa as "an LEDC" that lacks any resources or money to cope with climate change. Perhaps recent highly publicised events in Egypt and North Africa will help provide future candidates with some sort of reminder of the diverse nature of the continent they are meant to have analysed. Many focused entirely on the negative impacts of agriculture but marks were lifted for those that at least referred to farming in specific areas e.g. Kenya cash crops (e.g. roses) There were some good references to wider issues including tourism, coral bleaching, migration and loss of wildlife eco-tourism. Some references to the economic costs of the spread of malaria (and reduction of capacity to work / lost productivity) were also seen.

Only a minority referred to specific differences in different areas there was more reference to rich/poorer countries.





This is the kind of answer that we would hope to see given that a complusory case study is being examined. A range of African environments are mentioned and supporting data provided.

(c) Suggest reasons why the economic impacts of climate change in the continent of Africa are complex.

Berains the Agrican climate is already so extreme, all impacts grow climate change in the continent of Agrica are complex; especially the economic impacts. Agrica is a very poor country and many people struggle to earn enough money gor their gamilies as it is. Ig it gets any hotter in agrica people will not be able to grow crops and will become poorer still. (Total for Question 2 = 12 marks)

As a continent, Agrica cannot aggord this.



This is very poor geography for an AS-level candidate to be producing. Africa is presented as a homogeneous entity. Simple words like 'hotter' and 'poorer' gain little credit.

Question 3(b)

This straightforward geography question caused difficulty for many candidates who wrote about the causes of global sea-level rise even though a different task had been set for them (and a resource provided). The discharge, deforestation, surface runoff, etc. Clear understanding was shown in such cases of the potential impact of climate change on the hydrological cycle and rivers basins / the distribution of river flooding. Unfortunately, far too many tried to argue (unsuccessfully) that the thermal expansion of rivers would lead to drastic flood plain inundation. A few managed to make a correct link between eustatic sea-level rise and permanent flooding of river flood plains due to incursions of sea-water (the ria idea). A few very good answers used specific example - perhaps suggesting that the Boscastle flash flood was an early example; others mentioned storm surges and understood the rising risks faced by the London Thames estuary.

(b) Explain two ways in which climate change may lead to an increase in river flooding.

(4)

1 An increase in Storms and unpredictable rainfall patterns mean there is a greater risk of pash flooding which put pressure on swotlen river causing them to burst their banks

2 Resing average grobal temporature cause increasing snow melt in mountainous regions and therefore rives have more water to cope with - increased flooding risk



This response was properly focused on the question and explains how river flooding could increase. The hydrological knowledge is not especially complex (it does not need to be for this Unit) but the focus is spot-on.

Question 3(c)

Less able candidates gave generalised reasons why climate change severity cannot be predicted - with no specific reference made to the mechanisms of sea level change itself (although a lot of candidates lifted their overall mark by making good use of the idea of progress made by NICs/Brics and / or the refusal of some major players to sign up to International treaties). Wherever the processes of thermal expansion and ice-melt actually were actually acknowledged, it was often with authority and to good effect. Feedback / tipping points and role of carbon sinks and natural causes featured only in the better answers. On a separate note, too many wrote beyond the allotted lines here and often became a little repetitive (in relation to the theme of uncertainty).

(c) Explain why future changes in global sea level are hard to predict.

(5)

Future changes in global sea well are hard to

predict as it is difficult to determine the rate

at union dimake change may occur - this may be

defendent on which future scenario occurs, e.g. business

as usual. It is also difficult to predict the impacts

of positive and negative feedback mechanisms which

may have an impact on the rate of future sea

thus, for example, increased should be medically increased

by increasing temperatures may lower the absence

effect (less sunlight reflected) meaning sea level may rise

through thermal expansion.

(Total for Question 3 = 10 marks)



The uncertainty over rates of ice melt and thermal expansion are both clearly identified (2 marks). There is understanding of feedback mechanisms plus the role of changing albedo (2). Good comments about the rate of change expected for different scenarios takes this to full marks: a well-focused answer.

(c) Explain why future changes in global sea level are hard to predict.

(5)

We don't know how schemes may reduce global warming in the future for example, reducing negative externalities by using carbon offsetting may be more incluental in the future. We can't measure exactly how quickly global warming will affect sea levels although some places have already recorded increased sea levels. Government policies may change and increase environmental targets. New organisations may be formed puposely talthing sea levels. Every factor affecting sea levels are constantly changing unpredictably.



Although some good general ideas about climate change uncertainty feature here, it is a pity the candidate does not answer the question directly by addressing the specific processes that may lead to sea-level rise.

Question 4(a)

This guestion was correctly answered by the majority of candidates.

Question 4(c)

This was a successfully-answered question for many candidates. A secure focus on poverty / lack of customer base / lower profits in Africa and South America provided the basis for many satisfactory answers. The advanced idea of trade blocs / trading laws and political instability were found in some really good answers - as well as the idea that subsistence cultures had little use for major hypermarkets, or a possible cultural "lack of fit".

Question 4(d)

Some excellent answers were seen here. Candidates generally had a clear understanding of the range of strategies used by TNCs and there was good use of terminology such as spatial division of labour, vertical and horizontal integration, mergers/acquisitions, economies of scale etc. These showed an sound underlying understanding of economically-orientated geographical theory. The most commonly quoted examples were Nike, McDonalds, Tesco and Coca-Cola.

Few grasped the geopolitical aspects of TNC growth (such as IMF support and patterns of aid and lending by many global players) - although this falls more within the scope of the A2 superpowers component.

(d) Using examples, describe the strategies that TNCs use to expand their global businesses.

(5)

TNCs expand by out-sourcing and through the spatial division of labour setting up production factories in Nics and LEOCs.

Such as Burger king appening it first store in China in 2006.

That attract an Asian market. TNCs also slightly after their products to appear to a foreign market, as Cadbury makes it makes slightly sweeter in China, when would increase it multiples effect and profits, according further expansion. TNCs also expand through foreign accept invertent (FOI) in LEGO such as Taiwan in infralkulture and services that allow the TNC significant promisers in the country and the ability to dominate the market and use profits to further expand.

(Total for Question 4 = 10 marks)

Examiner Comments

This is a first-rate response that writes far more than is needed to reach full marks.

Question 5(b)

Most candidates correctly indentified the importance of 2004; a minority thought it was the year of the UK's entry into the EU.

Question 5(c)

This was generally well done with some good efforts made by candidates to compare the two trends, rather than to describe each one in turn. Good answers flagged up another key trend - which is that immigration always surpasses emigration.

Question 5(d)

This was a question where many candidates lost marks through the use of extremely weak geographical generalities such as "better" or "nicer" climate / lifestyle (such loose remarks do not receive a point mark reward at AS-level). There was also a focus from a number of candidates on push factors. Nevertheless, there were still many who scored maximum marks through accessing a range of specific push and pull factors related to the climate / economics / cultural landscape of Spain and the UK - as well as the enabling role of better / cheaper communications and the drift of entire family and friendship groups. Some also referred to Purchasing Power Parity, rather than just saying that costs in Spain were cheaper. There was some confusion still over the issue of pension payments and relative cost of healthcare but overall this question was well answered.

(d) Explain why some retired British people have chosen to live overseas in recent years.

(5)

o Climale is alot picer in Jongo and Spain were Most have emigrated to.

o a lot of things are cheaper so they are able to live more commont lifes types.

Than if they had remained in the UK.

o \$\frac{1}{2}\$ They have more more so we say they are able to do So are able to do So are all the olderly so they see it as an operturity.





Avoid comments like "nicer" and "things are cheaper" at AS-level. Without any further detail provided it is impossible to gain credit for such assertions.

(d) Explain why some retired British people have chosen to live overseas in recent years.

(5)

The main reason people more overseas is for a better aprality of life. An example is to the Mediterranian and Spain where the climate is on average 10°C names each year. Also you get a much larger house for your morey and basic ammenities can be chooper wants people don't have to work. Also now with cheap and jox air travel, it is much easier and more accessible. Things like the internet also mean people can purchase the same goods as they would at home and still contact there guierds with technology suchous melocans and jacebook.



This provides a good comparison with the other example - look at how data is provided (10C warmer). The cheaper costs are also indentified.

Question 6(b)

The majority gave a sensible reason here.

Question 6(c)

Good knowledge was shown by some candidates of the range of sources available for study to glean a wide variety of statistics. Official and non official sources included the national census (though not always explaining how it could be used), local newspapers. diaries, photographic / artistic evidence, oral history, local clubs and facilities and attendance records. There was a disappointing number who knew what indicators to look at (e.g. employment figures) but failed to mention where you would look to find them - the question focus being on sources of data after all. It was also evident from a number of responses that some small-scale local investigations had been carried out - so it was pleasing to see 'fieldwork' referred to. Perhaps the most interesting response came from the candidate who suggested that you could "hire a historian". Some candidates did score very poorly overall on this question - suggesting a Specification knowledge gap.

(c) What research sources could be used to investigate social and economic changes in a local population?

(4)

you could look at a local census. This will provide information of ages of people & earnings you could look at burth & death records through time as well as burth & death rates. You could also look at employment & mouniage records to see jobs that people how over time as well as marriage ages & sexes.



There was enough range of actual sources here for full marks to be awarded.

Question 6(d)

Many candidates clearly were unprepared for this question. There was a lot of misunderstanding here about the nature / meaning of the word "colonies" despite this being an important teaching strand in the Specification. Some talked exclusively about EU migration (only one mark was left available for non-colonial answers). In contrast, good responses directly related to colonial responsibilities and the labour needs (both professional e.g. NHS and "blue-collar" work in the 1950s and 1960s) of the "mother country".

(d) Explain why many European nations, such as the UK, have experienced large-scale immigration from their former colonies since the 1950s.

The UK executaged immigration from corner closics because the wishing population had been reduced by the second world war framer closics such as Jamaia were given easies arress its the U.K such as being given Bhtish passpats Improved boot techniday made it easies for versels such as the wind a right to trouspost immigrates and these from fames conducted ties with Britain velociting second earners to emigrate cardinated with a hope of (Total for Question 6 = 12 marks)



The candidate knows the topic and provides enough detailed explanation for full marks.

Question 7

A very popular question although responses to part (a) were sometimes disappointing. Candidates were stronger on knowledge of the geography of human risk factors than they were on the basics of plate tectonic theory, with many answers revealing unsound and insecure understanding. There are still a significant number of candidates who confuse conservative and constructive when describing direction of plate movement, likewise with convergent and divergent. In-plate volcanoes were most frequently ignored, although there were one or two excellent accounts of the Hawaiian plume (that was situated in the middle of Figure 7). Most exemplar references were based on the area of the resource but there were a number of appropriate references to the Atlantic / Western Europe areas.

Part (b), surprisingly, gave a wide variation in standard of answers considering the two areas are compulsory study. The main factor seemed to be whether the candidate decided to discuss the hazards as well as the vulnerability element or whether to focus on the latter, almost entirely in many cases, with only a brief list of hazards supplied. The best responses looked at common hazards and how cause and vulnerability varied with them, quoting specific events, and then dealt with the hazards they regarded as location specific. These responses showed sound understanding of processes, were detailed and easily reached Level 4. Common errors included attributing to California a huge volcanic risk or a destructive margin El Nino/La Nina was mentioned by quite a lot of candidates but there was often confusion over which was which when it came to the accompanying hazards. If there was an imbalance between the two areas, the Philippines seemed to be dealt with in more detail and with more specific hazard knowledge than California.

Some places are more at risk than others

at experiencing a major volcanic disaster because

of where the places are situated in

relation to different plate boundaries

for example highly explosive volcances

often occur along destructive plate

boundaries because of increased pressure

philippine

is situated astride as destructive plate

boundary (where the sure Decanic Philippine

philippine

plate is being subducted beneath the

furation plate see this leads to 52 minerous

Westmetrice starting volcanic examptions here.

Volcanic examptions also take place at Hotspots

(areas of partically high heat slow in the lithospect) eg. Howard vand at constructive plate boundaries where the two plates make apart creating cidges (eg the mid-atlantic ridge) and can deate entite islands eg. Iceland. figure depicts a high level of volcanic around the pacific ring of fire, this is because of high amount of conservative and Plate boundaries. destructive The ph: Aipp: res to a a group of 7,000 small islands bobs on the latitudes 5° NOTTH to 20° North of the equator, it lies on an extive (They have \$7/2 17 active volcaroes) (destructive) Plate boundary and experiences a high grequery of explosive volcanoes. The Philippines also experience a high frequency because as high pressure levels in the of destructive learthquakes Vin 400 years experienced 65). They are at ? 05 Tropical storms because of and experience then are lage 4-12 a times a year with are suge annal death toll of 529 and are rage cost of \$90 million. The majority of the population like the coastline and so because of pool and management a capidly increasing economy (they are a R.I.C) and the the congrous your than some natural protection + surani's (of which they can have some locally

generated Tomani's which have an arribal time 3-5 minutes) with an ever increasing frequency of Hydroneteolological disasters & mudstons and landstides are tighty likely and devestating. Enso events like la Niña years also icrease the risk of Kigh 5/00 ding. California is de stack on the west coast of etica. it is an the boundary (with the Pacific Plate Making 6# times & than the North nating in a north-easterly direction) this leads high sequency of earthquares often cichter scale. Sec example series qual earthquater, earthquate had a caused 62 fatalities the ninitz liquiday collapsed. They very well the force experiences benso La Niña yeurs (1-2 yeurs) and 61 Niño years (1-2 years). There is an increase risk of wildfires in to Niña years as the wind from the Arizona desert & those Photochenical smag is a major hatace in california as dry descending air from the menntains trapp car exissions (NOx, CO,(0) Pollution Plume this is like passivly smoking 27 Eigorettes a day in California asthma, respiritory problems prevature death.

The Philippines is vastly different to California as it is a RIC (recently Industrialise country) and has a low-middle ucone. Powerty is a majes factor occurs and can mean sheet cope body and ucreuses the rulesability eg. the desaster (isk equation. calibo(nia is a very assument economy with Komillion People, it copes very well because of the it has the money for the three Ps Prevention, Predection (eg. Hampi tracking center) and Preparedness. This nears although has a high uninerability because of the coast and ravines), a high disaster risk. It & nears there are lew sutulities but high economic posses, This is dissecrat sor the Philippines it has a high fatalitys in a disaster and love economic loss because os the High disaster Cisk, wigh ability to cope in the Disaster risk equation)



This is an extract from a Level 4 essay and gives a good indication of the level of competence we hope to see when complusory case studies are being examined.

Question 8

Candidates generally picked out the extreme values shown and accounted for the differences, notably for China, the USA and Bangladesh (the high per capita figure for Saudi Arabia eluded most candidates, as did the complete set of figures for Singapore). There was limited explanation of the differences of total and per capita emissions in weaker responses. However, the topic has clearly been well taught in many centres and it was good to see the breadth and depth of knowledge and understanding that many students have. Some showed impressive current-affairs knowledge, especially of China's progress.

Part (b) was well answered the majority had good knowledge of long and medium term evidence and there were some strong responses from candidates who were evidently conversant with a wide range of potential data sources that could be used for evidence across the main time scales. Most could give some account of a selection of methods: ice cores, pollen counts, tree rings, retreating glaciers and CO2 data were all popular choices. A pleasing number also began to evaluate the reliability of the evidence. On the face of it this was a very straightforward and accessible question and it was surprising that it attracted a relatively low number of responses overall.

Intro - More GDP, More (OZ enissions, population etc. Poragraph [— higher Others emmissions - Ust and China, reasons Paragraph 2 - medium emissions - Brazil and Singaphe, leasons Paragraph 3 — low emissions - Banglatesh and Singaphe, low emissions - Banglatesh and Singaphe, low emissions. Essau Coz omissions vary massively between different country with China emitting 6,028 millions of tonnessin 2000, but Burgladosh on as million. This is due to many reasons such as consumorism and a higher GDP, but also population and levels of industrialization. Firstly countries such as China Ad USA produce high levels of 102 with 6028 and 5769 million toppes Nospeckingly, and this is due to different leasons. The USA has avera very high GDP rote at \$97,400 por capita reasing they have the ability to travel more on flights and cors producing more (or & it is a very developed notion with elpchriting in every home, meaning more possil fruels need to be burnt toprovide the electricity for the nution. Also it is a very high Consuming ration and wastes many resources so

enits even further Coz. China on the other hand is ag newly industrialised country so has many factories and whomas dense when areas that end massive lowels of CO2 & However Chinadoos not have a high (Oz emission per capita compared to the USA with only 4 6 per capita this is because (hing has a very large population with a one fith of the worlds population, whose but the USA doorn't have + his level of populationso enits more Coz percapida at 19.1 million tonces. The countries that enit medium amounts of BCD, one Brazil and Sad Saudi Arubia waterwith 347 and 358 million forms coz emission respor respectively This ka is because Brazil is a only a making comby so don't have high amount sof or wealth that MEDCs have and thereforedoesn's have the coupital to produce such high herels of Coas they can't pay to stransport, electricity and resources as easily. Jundi Arabia is an OPEK country and a massive producer of oil, this explains there emission of Coz as they contribute large amounts through bearing perol in factores and industries, this also explans why there is more (de por capita at 14.8 millions of CO2 tonnes in 2007, as they produce so muchoil for a small country. Finally conties such as Bungladosh and



This shows part of the candidate's response to part (a) - a "text book" approach that provides an anlaysis of the Figure which also draws on the candidate's own knowledge. this scored full marks.

Question 9

Most candidates made good use of the resource to convey a clear understanding of the concept of a shrinking world. Less frequent was the reference to groups of people or the existence of a two-speed world. Some responses stayed rather general: there was not much use of specific examples but they were effective in the responses where they were used. In the best answers, there was additional mention (beyond Figure 9) of technologies that included Concorde, GPS and Blackberry. Some focused well on different types of connections.

Responses to part (b) were often well understood and elicited a range of groupings, many responses gaining L3. Wealth groupings were commonly cited and there was also good knowledge of a range of trade blocs. Less frequently cited were political or other economic groups such as OPEC, OECD or G8. "Switched on" and "switched off" groupings was another approach that as used to good effect by some.

(b) Nations are classified into different global groupines economically. This is were the graps have simicy economic wearth, but not necessarily similar economic interests. This ranges crow une the SO local developed countries in the world, many of them in the confinent are classified in this way for having \$750 over a usee year energy, low human book services me necessorties - such as but relying DOES Net growtie a stracy incom that are industrialioney associated won the BRICS; containing Brazily Rusta, Inda and unional trese commissione see soon to be have an increasing amont of namer, and usu that a per example and down take wer york Public econic pump are re ex-societ countries, use me not quite as severaped as NIC, sue in inventors
they experienced until the 1990s after the colonier
they are noticed new increasing their economics
by moreing the of natural vettures.

MOCS are provered a conomic grapping to the
the largest economics, which were where to



This is taken from a question that scored 25/25. The candidate has an impressive understanding of the topic and writes fluently. The work is well-structured (remember that this is being assessed too).

Question 10

Changes in size tended to be treated more cunningly than changes in distribution. Most candidates knew and provided the definition of a mega-city; LA, Mumbai and Sao Paulo were sometimes referred to in some detail to support the idea of changing sizes. While most candidates identified the main distribution change - an easterly shift - fewer could give much explanation although there were some decent TNC-based attempts ,. Some high-scoring candidates highlighted the importance of 24 hour business in the global hubs of Tokyo, London, New York (due to time zones) and linked this to the 'shrinking world' concept.

Good answers to part (b) discussed more than one megacity and their challenges. Some compared Mumbai with LA; their different challenges, clearly linked to level of development, were drawn out. Less successful were those candidates who looked at more than one city but restricted themselves to similar levels of development as they were unable to identify different challenges, just more of the same.

and over crowding realthcare is a massive Challenge becouse people are aying due to cach of healthcare which is reading even more indulinges such as pigh population birthmates and Ion birth life expectancy at birth Governing a city or over 10 Million people is a ruge challenge be cause there are so many people this is why many megacities such as Lagos are governed be area boys! or bangs with unanthonisal takes and viotence. How Withsuch a huge animy of people pollution and waste disposal is pa challenge because there is an extreme shortage of Space and nowhere for the waster to go overall the Biggest Challenge to und megacity grouth is planning houses & sanitation, two can be stone by pro planning where future granth and or honging will be done and

moterly composition Such as Mater and Genrage systems is that places Such as Mater and allowari are better planned so people do not avoive in megacities looking for employment and end up with a looke life them every head before nowever life in rural areas is of the so much



This is another well-structured piece of extended writing that is very well-focused on the concept of "challenges" and received a Level 4 mark.

Section B

Looking ahead there are a number of issues that centres may wish to consider when planning for the Summer 2011 and 2012 examinations:

- Candidates should be encouraged to see the Section B questions as a 25 mark 'package' and to choose their questions on the basis of which question they can do the best justice to across the 10 mark part 'a' and 15 mark part 'b'.
- Some candidates need additional help to focus on the different meaning of command words (describe, explain etc) and more technical key words (mitigation, natural disaster, post-colonial). Failure to 'unlock' the meaning of these words is often a reason for poorer than expected performance on some questions.
- The climate change topic does contain technical aspects to it, such as greenhouse effect processes, feedback mechanism, natural mechanisms of climate change and the reasons for sea level rise. Some candidates confuse these processes and / or discuss them in partial terms.
- Some areas of teaching do need updating, such as migration, to reflect recent changes in patterns within Europe especially.

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