

# **IGCSE**

**London Examinations IGCSE** 

Geography (4370)

Exemplar candidate responses from the May 2005 examination session

March 2006

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Exemplar candidate responses

Exemplar candidate responses from the May 2005 examination session

London Examinations IGCSE Geography

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# Paper 2H

# A grade A script

#### General comments

This was a very high-scoring script with approximately 85% of the available marks being gained by the candidate. The specification document points out the aims and assessment objectives (page 4) against which candidates' work is judged, and the grade A descriptors on page 32 of the document further inform judgement. The published mark scheme also needs to be read alongside the comments that follow.

Many of the features on these specification pages and in the mark scheme are evident in this script. One key aspect of the script is its consistency. The candidate scored continuously throughout the paper, left no unanswered gaps, obeyed the rubric and largely answered the questions as the examiner had intended they be answered. Of the seven questions answered, 75% of the marks scored was the worst performance (questions 4 and 6); question 1 saw 100% achieved. This consistency and narrow range of performance also applied to the parts of each question; all parts adopting a levels of response marking strategy scored either at level 2 or level 3.

#### Section A

Question 1 on the specification's Water unit, more particularly drainage basins, the hydrological cycle, flooding and river management, produced a perfect answer for this level of examination. The candidate showed good knowledge and understanding of the idea of a drainage basin in terms of its stores and flows ((a)(i) & (ii)), its nature as part of the hydrological cycle ((a)(iii)), and its structure with a river being a component ((b)(ii)). Pleasingly, the candidate was able to draw an accurate and labelled diagram in (b)(ii). Geographical terminology was known e.g. *discharge* in (b)(i) and used throughout the question e.g. *river capacity* in (c) (i). The causes of river flooding, both physical (e.g. excessive precipitation; impermeability), and human (e.g. deforestation; tarmac surfaces; urban drainage) were known and in each case explained. Finally, the candidate produced an excellent response to the closing, open-ended part of the question. The answer opened by referring to the Mississippi river management scheme, outlined its main purpose and then went on both to describe and explain how it actually does this. There were place names (e.g. St. Louis), specific details (e.g. 106 reservoirs), methods (e.g. diversionary spillways), and process explanation (e.g. widening the channel to increase its capacity).

This answer acts as a model for future good practice by candidates aspiring to the highest grade. Aspects of other answers do the same by :

- 1. doing the closing question part well offering specific details of actual places, events and schemes by knowing the case studies identified in the specification in order to hit the Level 3 quality of response criteria, e.g. the candidate's response on Mts. Pinatubo and St. Helens to question 2(c) does this.
- 2. explaining, especially links and processes, and going beyond merely stating, e.g. the candidate's responses to questions 3 (d) and 4 (c) (i).
- 3. using geographical language, especially the terminology of the subject, e.g. the terms used in their responses to questions 5(a)(ii) and 6(a)(i) help to make them full-mark answers. It is worth remembering that every 2 mark question has a 1 mark as well as 2 and zero mark answers.
- 4. annotating self-drawn maps and diagrams e.g. diagrams as in question 2(b) that go beyond mere labelling are highly rewarded.
- 5. showing accuracy in the objectively assessed, often data-response tasks set early in the question e.g. the candidate's responses to questions 4(a)(ii) and 5(a)(i).

No other Section A question achieved top grade consistency throughout, though grade A characteristics were evident in parts of all other questions.

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#### SECTION A

### Answer all six questions.

#### 1. Water

(a) Study Figure 1, which shows the hydrological cycle of a drainage basin.

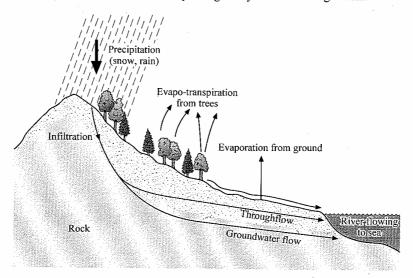


Figure 1

(i) Name one store of water shown in Figure 1.

60 Az Ju

13

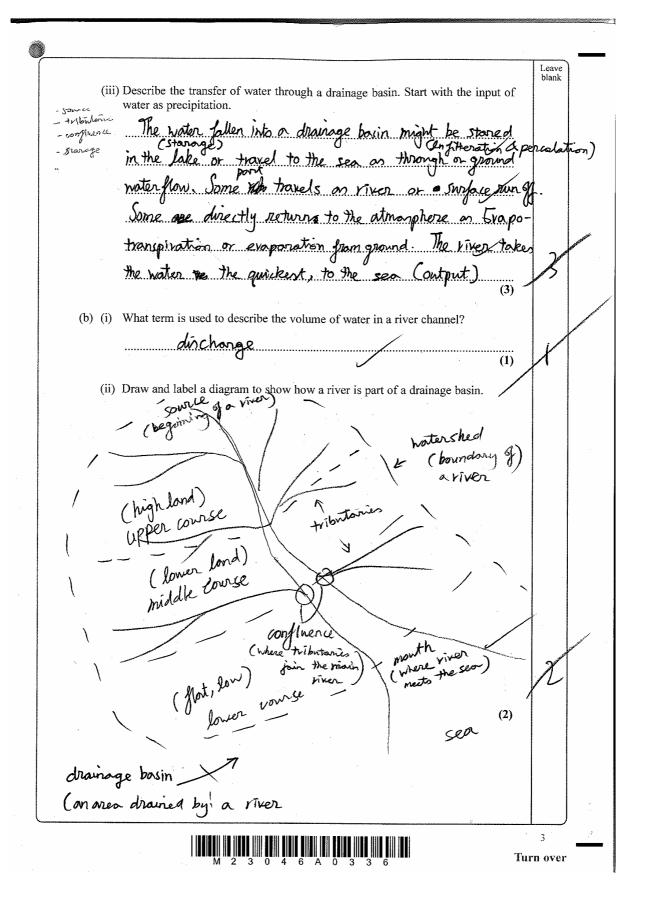
Water stored in the sea

(ii) What is the difference between throughflow and groundwater flow?

Throughflow is the flow of nature through the underlying sail. Groundflow is the movement of nature through the underlying rocks below the sail.

(2)





	Leave blank
(c) (i) Explain the main <b>physical</b> causes of river flooding.	999
The courses can be excur unusual excenive amount of	No.
precipitation that exceeds the capacity of a river to contain	, /
the nater.	para de la companya d
ii) Suggest how human activities in a drainage basin can help to cause flooding.	2
Human activities such as debre station for farming.	
reduces in number of trees mean there is les interception	
from shops and no roots to slow down the speed of natur	000041024mannenenene
reaching the river.	
Increase of impermeable surfaces like tarmac and cement	
increases Surface run off.  The speed of hater flow to the river is increased by (3)  ipped hater, this gives fen time for a river to covery off  (d) For a named river management scheme, describe and explain its purposes, the nater	8
Name of river management scheme: Mississippi viver management of the	ding.
the settlements such on St houis.	
- doms	
-diestoner Over 6 huge dams and 1600km of chains of 106 reservains	
were emit incorate to make the even amount of hater e.g. the	/
lene ssee valley authority. The dawn are multi-functional with	
(provision of HEP, irrigation and recreation, and prevent flood	b.
Diversionary spillnay to are built to dia divert even	
noter from the main river along 9km spill hays to Lake Ponchanto	un
eg. Bonnet Carré hay in St Louis. This reduces the risk	
of river over flowing on dischange is reduced	
Channelisation, deepening, widering of river to 13+	4
Increase its partity to held the hete ) life in	6/
speed to corry nater to the sear by shortering the river (6)	<b>2</b> 1
by 300 km, (Total 20 marks)	0
4	

#### 2. Hazards

(a) Study Figure 2, which shows the island of Montserrat (West Indies) before and after the Soufriere Hills volcano erupted in 1997.

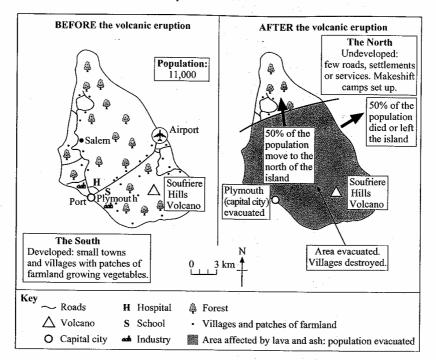
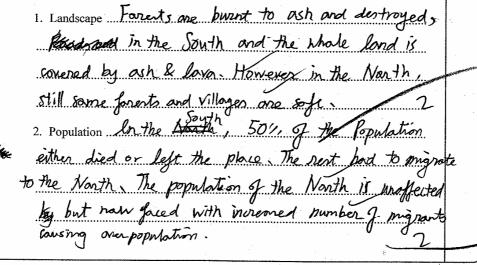
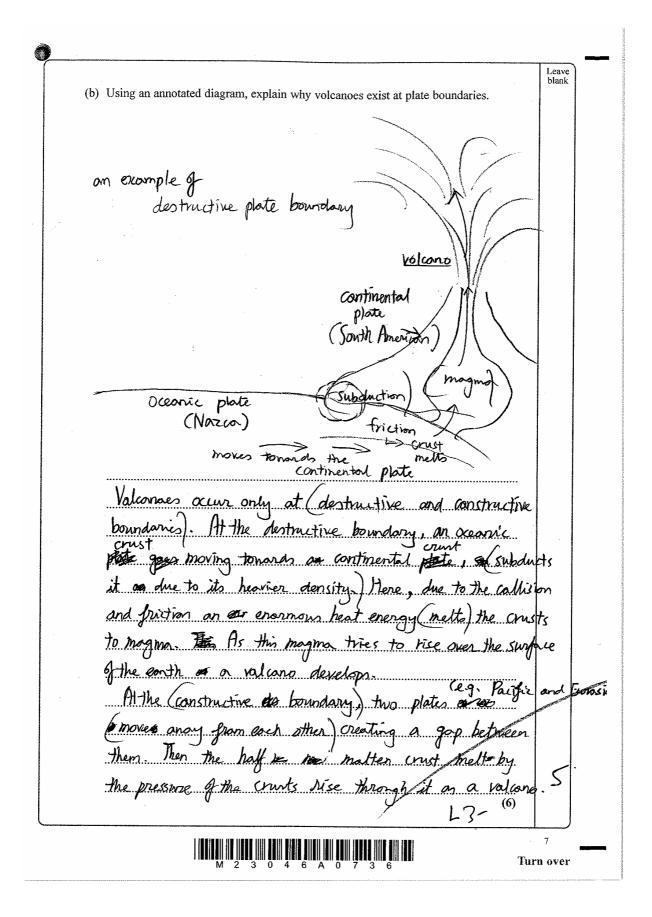


Figure 2

(i) Compare the impact of the eruption in northern Montserrat with that in southern Montserrat on:



	3. Transport In the South the roads are destroyed. The airport is also destroyed while part is damaged. In the
	North although only few, the roads one sofe Therenos
	so other transport in the first place 2
(ii)	Give one short-term effect and one long-term effect of the eruption.
٠.	1. short-term effect death of the people due to eruption
	and ashes.
	2. long-term effect disruption of livelihood and destruction
	I form / industry ause unemployment.
	(2)
	ાલું કે કે કે માટે કે 
-	
	•



	Leave blank
(6	Referring to at least one named example, describe how people prepare for and respond to volcanic eruptions.
	Named example(s) Mount, Pinatubo in Philliphine and
nengency stock	M . C. D. A
medicing	
afreamy	Preparing for the valiance eruption, the authorities prope
yaquati	(emergency stock pites of food, clothes and medicines where
	they cannot be effected by the eruption. Thus they can be
	used for relief act of the people for shart while.
	The government invest as great in (high tech prediction)
	and detecting machineries in order to present be aware of
	next emption and (to evacuate) people before the disenter
	eg satellite. Some a countries as the government lacks
-	many to invest, (train people to look for changes in of the
	Valconous e.g. bulge on the mountain side)
	When volconic exuption is predicted, the authorities
	worn the residents and evacuate them quikly.
711-200	In MEDC's people are not more educated with emergeny
***	procedures and ready to follow the instruction In LEDCIST
	people are very relutant to a home their home in fear of
	lasing everything. L3+ (6) Q2
	(Total 20 marks)
8	

3. Production

(a) Study Figures 3a and 3b, which show employment in the three economic sectors of a sample of countries.

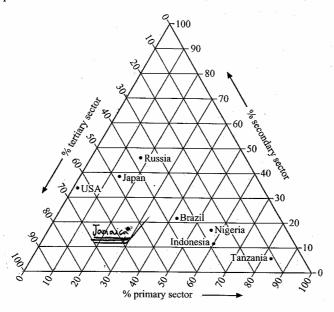


Figure 3a

	Percentage	Percentage of workforce employed in		
Country	Primary sector	Secondary sector	Tertiary sector	Level of economic development
Tanzania	83	6	11	LEDC
Indonesia	64060	12.22	2808	(Less Economically Developed Country)
Nigeria	56	17	27	<b>^</b>
Brazil	41	22	37	
Jamaica	28	17	55	
Russia	17	47	36	
Japan	13	39	48	MEDC (More Economically
USA	2	33	65	Developed Country)

Figure 3b



· 9

(i) Use information from Figure 3a to complete Indonesia's entry in Figure 3b.  (2)  (3)  (b) Name one occupation that is typical of each of the following three sectors:  1. Primary sector  2. Secondary sector  3. Tertiary sector  (a)  (b) As a country develops economically, its employment structure changes.  Use information from Figures 3a and 3b to explain this statement.  Its landsteleped countries which one and on the top of the least 2.3. Tarravina landons to highert level 9 amployment in framery Sector (83%, 8.60%) and the second industries secondary & territory industries are relatively form.  Thomewer are countries more disk developed like.  Kust in Bassal & Zamaria len primary but much higher secondary tertiary industries and industries than 2 may.		blank	L
(b) Name one occupation that is typical of each of the following three sectors:  1. Primary sector  2. Secondary sector  3. Tertiary sector  3. Tertiary sector  4. Manufacturing  3. Cc) As a country develops economically, its employment structure changes. Use information from Figures 3a and 3b to explain this statement.  The lendeveloped countries which one and on the top of the least e.g. Taxtarian & Indonesia have highest level of employment in Primary Sector (83% & 60%) and the second industry secondary & tentiary industries are relatively low.  However, as countries more debt developed like  Russia Manual & Zamaion len primary but much higher secondary tentiary industries		L,	1
1. Primary sector  2. Secondary sector  3. Tertiary sector  4. Manufacturing  3. Tertiary sector  4. As a country develops economically, its employment structure changes.  Use information from Figures 3a and 3b to explain this statement.  4. Manufacturing			
2. Secondary sector  Can Manufacturing  3. Tertiary sector  borking  (3)  (c) As a country develops economically, its employment structure changes. Use information from Figures 3a and 3b to explain this statement.  The lendereboped countries which one and on the top of the least e.g. Taxtrama & Indonesia have highest level of employment in Primary Sector (83% & 60%) and the second industry secondary & tentiary industries are relatively low.  However as countries more that developed like the higher secondary to the industries of the primary but much higher secondary to the industries and the primary but much higher secondary to the industries are industries and the primary but much higher secondary to the industries and the primary but much higher secondary to the industries and the primary but much higher secondary to the industries and the primary but much higher secondary to the industries and the primary but much higher secondary to the industries and the primary but much higher secondary to the industries are also because the industri	(b) Name one occupation that is typical of each of the following three sectors:	A CONTRACTOR OF THE PARTY OF TH	
3. Tertiary sector  (c) As a country develops economically, its employment structure changes.  Use information from Figures 3a and 3b to explain this statement.  The lendeveloped countries which are and on the top of the least e.g. Tarrama & Indonesia have highest level of employment in Primary Section (83% & 60%) and the second industry secondary & tentiony industries are relatively low.  However as countries more debt developed like.  Russ in Based & Zamaico len primary but much higher secondary tentiony industries.	1. Primary sector forming		
3. Tertiary sector  (c) As a country develops economically, its employment structure changes.  Use information from Figures 3a and 3b to explain this statement.  The lendeveloped countries which are and on the top of the least e.g. Tarrama & Indonesia have highest level of employment in Primary Section (83% & 60%) and the second industry secondary & tentiony industries are relatively low.  However as countries more debt developed like.  Russ in Based & Zamaico len primary but much higher secondary tentiony industries.	2. Secondary sector can manufacturing	-	
Use information from Figures 3a and 3b to explain this statement.  The len developed countries which are and on the top of the least e.g. Toursania & Indonesia have highest level of employment in Primary Section (834, & 604) and the second industry secondary & tentiary industries are relatively low.  However as countries more that developed like Kussia Basad & Zamaica len primary but much higher secondard tentiary industries and	3. Tertiary sector knyking	3/	
the least e.g. Torrama & Indonesia Lave highest  level of employment in Primary Sector (834 & 604)  and the second-industry secondary & tentiony industries  one relatively low.  However as countries more del developed like  Russia Broad & Zamaica len primary but much higher  secondard tentions industries and			
level 9 employment in Primary Section (834, & 604)  and the second industry secondary & tentiony industries  are relatively low.  However as countries more del developed like  Russia Broad & Zamaico len primary but much higher  secondard tentions in dustries and	The len developed countries which one and on the top of		
level 9 employment in Primary Section (834, & 604)  and the second industry secondary & tentiony industries  are relatively low.  However as countries more del developed like  Russia Broad & Zamaico len primary but much higher  secondard tentions in dustries and	the least e.g. Tarrama & ladonesia have highest		
and the second-industry secondary & tentiony industries  one relatively low.  However as countries more del developed like  Kussia Brand & Zamaica len primary but much higher  secondard tentions industries and		)	
Aonever as countries more det developed like  Russia Basia & Zamaico len primory but much higher	1 0		
However as countries more det developed like  Kussia Brand & Zamaico len primory but much higher  secondant tentions industries and			
Kussia Broth & Zamaico len primary but much higher			
considered tentiary industries and	Russia Brasil & Jamaica los primary but much biglio		
Then the most developed countries howe higher (4) proportion of 3rd industries then Industry.	cocondard tentions industries and		
proportion of 3rd industries then 2rdary.	Then the most developed countries have highest (4)	72	1
	proportion of 3rd industries then Irday.		
	·		
		,	

	(4)	Permission LEDG (I. P.	Leave blank
		Farming in some LEDCs (Less Economically Developed Countries) fails to prevent food shortages.	
	-foreign	(i) Explain why such shortages occur.	
	- Glood	The shortages maybe due to incapability to tackle natural	
/	patrician.	dissters such as drought and flood ) As JEDC's lack	
		technology & money to built dams or other preventing	
		messives they have no other chaice but to face the director	
		and let their crops to be dried or nashed anay.	
		The other reason can be inefficiency of farming as due to	
		lack of capital & tech ralogy) Mart Jorners one subsistant	
		who form on too small lands that are not enough enough to	4
		Jeed them selves and issue Connot offerd fertilisers on the	
		(ii) For one named LEDC, describe two attempts that have been made to increase food supply.	
		Name of LEDC: Bangladesh	
		1. Vevelopment of special breeds of rice oropo :	
		horo boro, asom and ann. Asom can be grown	
		is wetter conditions thus can be grown during flood /me	msoon
		Seasons. His on be grown in duer seasons with len	
		water . There her orops can be planted afternately or	
		Thus, crops an be grounded all year around regardles of sear	ans.
		2. Building of dams and diversionary channels to	
		hold flood noter in wet seasons and (irrigation)	
		Januar lands in dry seasons. Thus, more lands can be cultivated and reduce the effects of drought	/
		can be cultivated and reduce the offects of drought)	/
		allowing lands can be cuttivated throughout the year 2	4
		(6)	03
L		(Total 20 marks)	16
`			
			over

### 4. Development

(a) Study Figure 4. This shows information about the South West region of the UK (United Kingdom) in 2000, including wealth, indicated by GDP (Gross Domestic Product) per person.

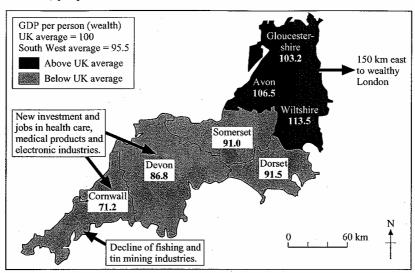


Figure 4

(i) The South West region is one of the less economically developed regions of the UK.

What evidence is there to support this claim?

In the North-heart region which is closer to the countries capital London, the income fler capita is above the UR average. However the South-west part including.

Somerset & Dorset, ename at the lincome per aprita is below the average meaning jobs one low paid.

The traclitianal industries in the region is one months primary & secondary which are lowly part and unskilled jobs. Those are now even declining asking unemployment.

The Games regions are very joy from the commercial acentre of London meaning they are periphenias where weath is decreased from the further about 800 pm and)

Tur	n over
the area to the other places is very bad. (4)	ALL CONTROL OF THE PARTY OF THE
industries comes up little investment is made with les	2
2 Isolation due to little or lack of adequate transportation and communication linkage: As little	
on little people an offered them or many leave the area to g	ud better piece.
near little job thus len demand for services such as	
1 Les Lack of services as no little industries & lamparies nant to locate there little industrient industries	.4.5
(b) Apart from a low GDP per person, describe <b>two</b> other features you would expect in a less economically developed area.	
should be unemployed due to decline of the industries.	3
Very law paid jobs and unskilled. Also many people	
2. The main industries of the Cornnall is primor (fishing) and secondary (mi (mining) which is	1
gods and disadvantage of being to meaning less jobs one	1
locate in that region due to look transporting cant of	
country, a less industries would like to invest or	
per person in the South West region.  1. As it is the Jurthert from the main market of the	
(iii) Using Figure 4, give two reasons to explain why Cornwall has the lowest GDP	
have much lenen meane and the farthert Connuall gets the lowert. (2)	2
eg. Gloncetter Shire, Avon & Wiltshire. The frother region	
langest market Landon, the high the missionse of the people.	
(ii) Describe the pattern of wealth (GDP per person) in the South West region.  The closer the distance to the connercial centre &	
	Leave blank

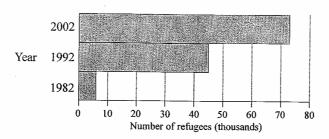


	l to	blank
	(c) With reference to a named less economically developed area of a country other than	
	the UK, explain why new investment and jobs are so important for development.	
	Named less economically developed area. (South Staly (e.g., Talo)	
	(In order to develop an area, people needs money) and the	
	money comes from industries or governments investments, to	
	improve the axes and create jobs.	
	In order to Cattract companies & businesses to create	
	jobs, accenibility and boxic infrastructure have to be improved	
	This can be done by government money investment to build roads and	
	improve electricity of motor supply	
	Improve electricity of moter supply.  Once the above things are done, companies would start	
	to locate and thus providing jobs. With people getting employed	
	and receiving reliable mame, Genard for other products such on	
- Constitution of the last of	and servius would go up this creating an apportunity for others)	35
	(Ce.g. Shopping maths & residentis)	Q4 
	There will create Cantinnons multiplier effect that would finally develop the area economically.	<u> </u>
	There will oreone comments of the	
1	hourd frally develop the state continues.	
,		



Leav

(a) Study Figure 5, which gives information about refugees entering the UK (United Kingdom) in 1982, 1992 and 2002.



Year	Main sources of refugees	
2002	Iraq, Zimbabwe, Somalia	
1992	Former Yugoslavian republics, Sri Lanka, Turkey	
1982	Poland, Ghana, Iraq	

Figure 5

(i) Describe how refugee migration into the UK changed between 1982 and 2002.

Since the 1982, the number of refugees increased
from 6000 to 45000 to 73000, Mare tha
12 times increase In 1982 the refugees mainly
come from Estant & Europe and middle east but
soon shanged to Europe and niddle east but soon shanged to Europe and African countries. (2)

(ii) Referring to refugees, explain how forced migration differs from voluntary

inigration.	
Refugees are, people who	m people
one threatened and forced to more out of one a	200
due to civil hors, political percecution cot e	:t
Valurtary migration is people who chose	to moke
Valuritary migration is people who chase to other place scarching for better life stop	lity feet
and job opportunity	
77	(3)

M 2 3 0 4 6 A 0 1 5 3 6

15

Leave blank Suggest two reasons why some of the refugees shown in Figure 5 might seek asylum in the UK. UR has high standard of living as a developed country This the refugees might expected to find an apportunity to start a new life UR has relatively open migration polities to oxylum seekers on long on they for prove that they are threatened (ii) Suggest why some refugees may later feel that they made the wrong decision in seeking asylum in the UK. pe prejendice and racial tension places the or simple don't like the majorants due The Due to high prices of living the it is keny difficult to like make a living for foreigners and also (3) lifficult to get high skilled job with good income due to

Ture	17 1 over	<u> </u>
higher quality of life.) e.g. the harkers could (coor as much as fixe times more of average income) over while (6) L2+ harking in factories or shops. (Total 20 marks)	Q5 1 8	
higher quality of life ) e.g. the norters could (coor as	4	
Therefore many nankers are attracted the countries the France which is more developed with more job opportunities and		Establishma
there is hope wremployment. The standard of living is very land she to lack of services and inadequate transportations.		
lands that have to be sub the divided among families causing low enough lands to farm. There is (little industries) to provide jobs thus	Ĭ	
person in the 60 and lonest percentage of urban population.  The norters are usually formers who have to nork on small plate lands that have to	7	
are Vortugal has the Clowest average income po	2	
The pull factors of the spain for the most of the people		
(ii) Use the push-pull model to help explain one named international migration.  Named international migration France		
(4)		
apportunités.	4	, ,
to the other e.g. better living standard & job		
lack of services or jobs, and pull factors such. That encourages people to leave one place and move		
Which (discrowrages people to live in an area) such a		
(c) (i) Explain the push-pull model of migration.  Push-pull model of migration thous the push factor		
	Leave blank	

Leave blank

#### 6. Urban Environments

(a) Study Figure 6 which shows part of a mega-city in an LEDC (Less Economically Developed Country). Four typical shanty town locations are marked A, B, C and D.

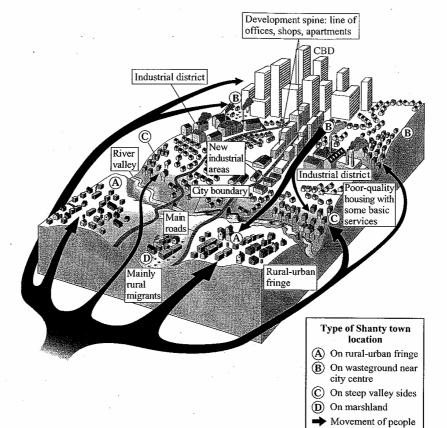


Figure 6

(i) What is a shanty town?

Mr is a cluster or onea of under developed, multiplete

be houses trades for poor rigrants to the city

That could not offend proper housings. The houses are

often made up of mud, nood poles and commigated rights

built on unsuitable land for building s training.

Where no one wants.

2



		19	
1			
	dometic needs.		
-	pay ments, here they an also get nater for I	4	, t
	again take such empty spaces where they don't need to		
	Reasons Marshlands are often to riet and prone to diseases and ill health thus unnanted. Pour people		
	Location D. The Man Andrew And		
***************************************	and they are get things they need from the garboge for I	1	
	for poor people who only can live on land where people don	1 .	
	people don't nant to live pearty. This in turn provides lone	1	
	Reasons The harteland is smelly and disty and mant		
	(iii) For <b>two</b> of the locations marked <b>A</b> , <b>B</b> , <b>C</b> or <b>D</b> , give reasons why a shaftly town is located there.		
	attes (e.g. Calcutta) (2)	A PARTY OF THE PAR	
	Cities ! population live in Shorty town and work in the	2	
	Mich is based incopoble of taking in ever increasing migration. The has bonelen dwellers that consists the		
	The Shorty towns hold millions of population for the other		
	(ii) Explain how shanty towns contribute to the growth of mega-cities in LEDCs.		

Suggest why people are moving from location B out towards locations A and C. The tothe expansion of the City centre and la unban development many the City authorities have norted to fremove those shorty and in B shortly for space to expand or the land price went up so the owners nanted to drive people out of their presontly Describe the 'development spine' shown on Figure 6 and suggest why this development is in this location. The development spine along the offices, strops and appointments are developing along the mains roads with indu accessibility to other places on the roads can bring in the markers & customers as well as bringing in & sending the finished goods. 20

higher quality (More How do developments in the rural-urban fringe of cities in MEDCs (More Economically Developed Countries) compare with those in the rural-urban fringe of Description (Counter - unbornisotion) look of space to supond the oxiginal CBD. The CBD ald and environment is publited, living conditions one bad Homever in JEDC's the rural -unbon Junge is due to Overpopulation of the city centre due to unal-to mkon migration. As there is no space in the city forced to the outskirt and they connat this & Shorty I town come up TOTAL FOR SECTION A: 120 MARKS LED(s, it is often & very cramped and to in appolling condition without even bosic sewage system:

21

#### Section B

This choice section of the paper saw the candidate correctly obey the rubric and opt for question 8 on Globalisation. This is the candidate's longest answer and where 20% of the paper's marks lie. The candidate gained over 80% of the marks available; a high scoring question in this section is essential if an A\* grade is to be attained. Section A success criteria equally apply to this section too but this section also looks for candidates to appreciate contemporary issues, trends and conflicts. It was clear that this candidate was fully conversant with the interdependence idea that underpins globalisation, and with the nature of sustainable development as it relates to the operations of global companies. More specifically, the candidate was familiar with the terms introduced in (a)(i) and was able to use map information in order to clarify meaning. The candidate was also able to predict reasonable consequences of the global shift on the international trade and economies of the emerging Asian industrial powers. Suggesting valid effects of an action is a feature of top grade candidates. Parts (b)(ii), (c)(i) and (c)(ii) were well answered and demonstrated the value of good geographical knowledge. These answers also demonstrate the candidate's ability to develop answers into full reasons e.g. (b)(ii), and full definitions e.g. (c)(i). It is interesting to note how the candidate responds in a 2 mark rather than 1 mark way in both parts of (c).

The candidate finishes with a solid rather than spectacular response. There are named examples and technical information but a little lack of relevance and focus resulting in a top Level 2 mark award. Overall, question 8 shows many of the hallmarks of a top grade script: up-to-date geographical knowledge, detail and explanation of trends and processes.

Leave blank

#### 8. Globalisation

(a) Study Figure 8a, which shows the movement of jobs from the UK (United Kingdom) to China and India. This is an example of globalisation. Figure 8a also contains information about the GNP (Gross National Product) of China and India.

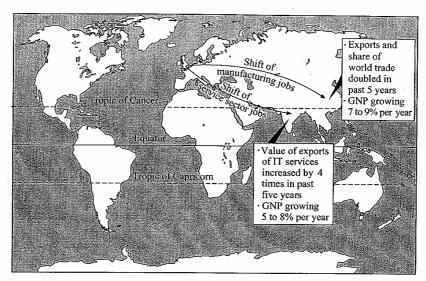


Figure 8a

- (i) What evidence in Figure 8a suggests that China and India are experiencing:
  - 1. an export boom
  - 2. economic development?

1. The increase in exports by 4 times in 5 years in ludion and Chinals word trade share & export share doubted.

2. The GNP granth of 5-84, armually in ludion

(2)

(ii) What term is used to describe the movement of manufacturing to countries like China?

Outsourcing

..K......

(1)

0



	Leave blank	)
(iii) Suggest how the movements shown in Figure 8a may change the trade patterns of China and India.	Olalik	
For the part years, as DEDC's which lacked		
technology and finance to develop their own industri	es,	
China & India Chad to export cheap ran moterials		
like cattors to MED('s) and import expensive Indony		
goods like machineries) resulting in low trade share and		
high trade loss. Homever due to movement I job of countries like UK, now the proportion of exporting of	ran	
primary goods and imports for Inday goods would be Instead, china nould export Inday goods more (4)	reduced)	
Instead, China nould export Inday goods more (4)  While India would have more of 32d good 3trang services.  (b) (i) Suggest how moving jobs from the UK to China or India might benefit:	3	المستنع يغطينه
1. the UK		
The prices of services and goods would be		
Cheaper as the cost of labour, raw material, and	1 1	
production is is reduced due to cheap labour of I	EDC'S	
and low price rates of those countries.	_	
2. China or India		
They could (solve unemployment problems) due to		
increased jobs and more business an flowrish due	1 1	
investment from other courties. This would a creat	5	
country drasticely with support services & infrastructurally builted up.	4	ingerster state
builted up.		
	$oldsymbol{ol}}}}}}}}}}}}}}}}}}}}}$	
I IEBIERII MA MARKEUM BRIM REIM ANEM IRIN BRIM MARKEUR MARKEUR MARKEUR MARKEUR MARKEUR MARKEUR MARKEUR MARKEUR	27 urn over	

Leave blank

(ii) Describe **two** factors that enable companies to have parts of their business located in different countries.

Incremed accemibility betweening countries due to improved transportation) such as ainthone are accorplance, ships and cars. This (allows quick delivery of name materials a documents and goods all over the month) -2 Development of high speed communication system such on Internet, telephone and video - conferencing.)

This allows speedy transfer of messages, instructions and any important changes to be delivered instantly. 2 4

(c) New service sector jobs in India are often located in business parks outside the main cities. Texas Instruments, a transnational ICT company, is located in the Information Technology Park, Bangalore, India (Figure 8b).



Main features of the Information Technology Park:

- · Space for offices, shops, homes, parks
- 18 km east of Bangalore
- 20 minutes from airport
- Modern buildings, power supply, communications
- Designed for technology-orientated companies, including large transnational companies
- India's first science park

Figure 8b

(i) What is a TNC (transnational company)?

A TNC is beg huge traditional multinational companies that operates in various countries regardlen of boundaries e.g. Ford

(2)



(ii) Describe <b>one</b> advantage and <b>one</b> disadvantage that TNCs bring to countries like	Leave blank	
India.		
Advantage TNCS brings creates many jobs and		
trains the local people to This give them mame to		
improve their living standard and bb prospects for young		
people creating apportunities.		
Disadvantage TNUs one sometime to huge and powerful		
for small loval firms to compete. This it can disturb or		
prevent small companies from graning up and act on	10	
manapolies with little competition (4)	14	
		 I
I INDIENII HA HARA IIII NAMI AININ ANIM ANIAN ANIAN ANIAN ANIM ANIM	29	

Leave (iii) Using named examples, explain the importance of TNCs in globalisation and the global economy. (Mitsubishi & Proton) TNCs (brings in technologies and machineries) from MEDCs to JEDCs to Miss allow the countries to share the knowledge and LEDCs to take advantage of more developed techniques and be compor competitive with MEDC'S The INCS/bring in finances and investment that re-generate, the country or negion. The investment creates jobs and improves infrastructure which creates a (multiplier effect for other local businesses to grow and allow LEDC consmically to freduce the gop between poor North and wealthy South, Jeg. Brazils economic miracle in Moneover, the TNC s mereo (Improveg trade JEDC's which are often suffer from huge import bills with little export. This is done by producing goods in exporting them as made in XX moreoning the countries trade shores of the horld, and to charge the imbalance of trade of the world (only of population in MEDCs holding 80% of water world 6 trade shores) e.g. Parasonic produced in South earl Q8 (Total 30 marks)



## Paper 2H

# A grade C script

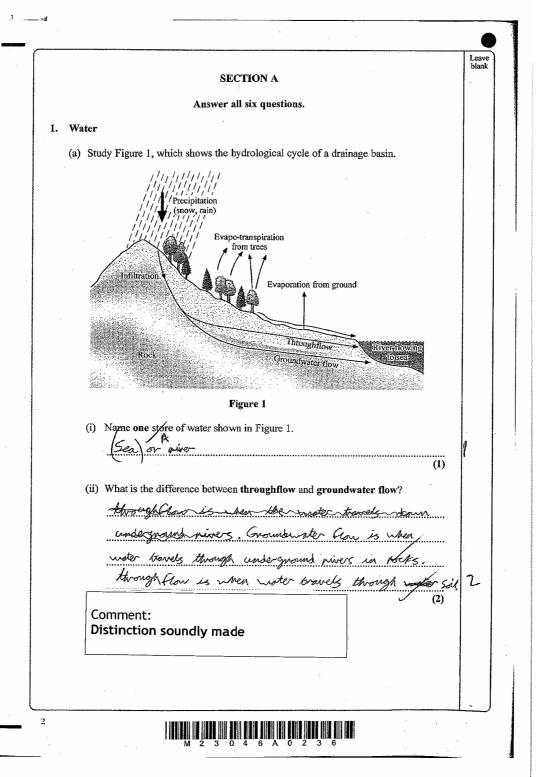
#### General comments

Broad competence in meeting the demands of most questions is the hallmark of this grade on the higher tier at IGCSE. This script, which is of minimal grade C quality, reveals as many do at this grade considerable variability and patchiness of quality, though no question was answered at a very low standard.

The candidate achieved 60% of the available marks in 4 of the 6 section A questions; the remaining 3 answers, especially the response to the longer section B question, dipped below this respectable standard. The answers generally demonstrate that the geographical context of the question has been grasped, but that the answer has either not been fully developed or not totally focussed on the question set. Broad understanding and some basic knowledge of the topic are evident throughout the script, but many answers lack depth and description. Appropriate points are often simply listed rather than developed into descriptions or explanations.

### Question-specific comments

Annotated comments have been added to the body of the following script, some illustrating the general remarks made above.



(iii) Describe the transfer of water water as precipitation.	r through a drainage basin. Start with the in	Leave blank	
	oued down from higher grown		
		1 1	
	finds its may into streames	. 1 1	
whatauz then fla	is down niver into a lake or	- Sea.	
	Comment: Very limited with most of c untouched	ycle left	
(b) (i) What term is used to describe	the volume of water in a river channel?	1 1	
mass?			
		(1)	
(ii) Draw and label a diagram to sl	how how a river is part of a drainage basin.		
	Precipitation water towers SC		
All	water times ( C) ( C) ( bill (quanity) ( C) ( C)		
and Muero	S A Rain France	Channel	
	that become to the main		
~			
(sea) 5 / 200	Rain gathers in lake		
· ·			
Comment:			
Pity but crue not addresse	cial drainage basin concept		
Hot addresse	ea	(2)	
	· · · · · · · · · · · · · · · · · · ·		
•			
1   <b>6   1   1   1   1   1   1   1   1   1   </b>	HA BARNA NINGHI TANI ARMAR AMAR AMAR AMI INSA	· 3	
		Turn over	

		Leave blank
(c) (i) Explain the main physical causes of river flooding.		
Heaving rainfall or ice caps meltin	g can cause a	
river to flood its banks, due to	to much moter	
being put in for the viner the to	Carry.	
Comm Good	nent: understanding (2)	2
(ii) Suggest how human activities in a drainage basin ca	an help to cause flooding.	
(Deforistation) means that there sha	~ <i>_</i>	
So more water shall reach the w		
(Formland Formand also Ceaves the land bare	, farm animals	
cat among old of vegetation.		
The Spread of towns and Citys in	reaus that (most	
raingell is sent down downs Ceasing	directly to the river)	3
(d) For a named river management scheme, describe and exp	plain its purposes.	
Name of river management scheme: Rauce duck	ind water company)	
It is a hydroelectric dain it is situe of the river. It is mainly that as a so	oure of electricity.	
It also keeps a reserve of os freeh w	noter) with is	
used by mater companies buther up win	e, '	
1643 05 trees have been planted by the	comparey to	
increase every transpiration and in		
The Rance has not only become a source	e of electrical power,	
It has also attracted many species of		
	12	3
Comment:		
Not best example chosen. Points not always relevant thrown at the answer so		
that the focus on purposes essentially	(6)	Q1
lost	(Total 20 marks)	112
(		

Leave

#### 2. Hazards

(a) Study Figure 2, which shows the island of Montserrat (West Indies) before and after the Soufriere Hills volcano erupted in 1997.

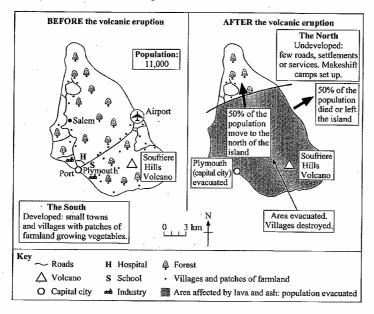


Figure 2

(i) Compare the impact of the eruption in northern Montserrat with that in southern Montserrat on:

1. Landscape In the north it very hurst with lots	
05 forests and a few villages and farmland	
The South was much more developed The Capital	
The south was much more developed the Capital lity, airport and many willages were destroyed by the out	tion
2. Population Mach of the population in the North Seemed	
to be unexpected by the horard In the south	
50% of the population were either littled or left the 2	•
50% of the population were either littled or less the 2 Island. Another 50% of the portlation fled to the month.	

5
Turn over

		Leave blank	1
·	3. Transport There are only a few roods in the north.		
	Most 03 the good Communications (i.e airport and port)		
	were decroyed by by the vollance.	4	
:	Comment: Some unbalanced responses ignoring one part of the island		
(ii)	Give one short-term effect and one long-term effect of the eruption.		
1	1. short-term effect Homeless people was have lost their		
	phs.		
	2. long-term effect Possability of decieses due to most of the services (e.g hospitals) being destroyed. A	h	
	05 the xomes (E.g. rospitals) being veryoges. (2)		
	and the second of the second o	-	
and the same of th		-	
	* 0	1	1

	Leave blank	
(b) Using an annotated diagram, explain why volcanoes exist at plate boundaries.		
		·
		-
(Destructive margin)		
( Bestudiane marger)		
"vocanoe"		
Oceanic Crust Sinks		
There were the state of the sta		·
The same of the sa		
2 C		
(OCEANIC (rust) Friction Section Secti		
Volcandes mainly occour at Continuations or concernations	3	
plate margins. Destructive margins are when true plates	•	
Collect this causes also of Friction and thus causes		
euptions.		
Conservative margins are when two plates more slowly		
pack each other (e.g. the san mansice fault). This		
Causes them to ruly each other and course also, due ?		
to alst of pressure and friction "trigger of " an ouption		
Comment:		
Rather jumbled and confused answer		
(U)		
A DEFECTION NAMED WITH COME STATE AND REPORT OF THE STATE	7.	

(c)	Referring to at least one named example, describe how people prepare respond to volcanic eruptions.	1	Leave blank
	Named example(s)	······	
	Nondays most people was live by a nocesse or other bisaster was have a (Easter dull,) so it a vol	1	
	expeted they would know where to go and what to do		
	Italy can publishing put asst of money into [Special	l l	
	Yourse betesting morniers) These can sense the stip south tremow, so most people should know when	1	
	Special (Eagley overs) have been set up. So people		
	Flee to them where they can receive food and		
	important Suplies.		
	too shall have (special drill) is such a hatard S	- 1	
	L	2-	3.
	Comment: Amounts to a list of loose measures	(6)	Q2
	Not well linked to named examples (Total 20)	marks)	2
			i
			·

3. Production

(a) Study Figures 3a and 3b, which show employment in the three economic sectors of a sample of countries.

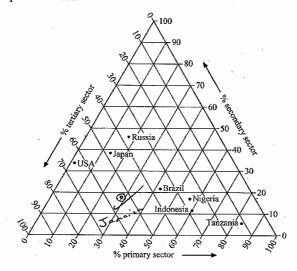


Figure 3a

	Percentage	of workforce	employed in	Level of
Country	Primary sector	Secondary sector	Tertiary sector	economic development
Tanzania	83	6	11	LEDC
Indonesia	60/	(40)	28/	(Less Economically Developed Country)
Nigeria	56	17	27	1
Brazil	41	22	37	
Jamaica	28	17	55	
Russia	17	47	36 -	<b> </b>
Japan	13	39	48	MEDC (More Economically
USA	2	33	65	Developed Country)

Figure 3b



Turn over

(i) Use information from Figure 3b to plot the position of Jamaica on Figure 3b.  (ii) Use information from Figure 3b to plot the position of Jamaica on Figure 3b.  (b) Name one occupation that is typical of each of the following three sectors:  1. Primary sector  2. Secondary sector  3. Tertiary sector  3. Tertiary sector  4. Suppling Mall A  (c) As a country develops economically, its employment structure changes. Use information from Figures 3a and 3b to explain this statement.  A causity does not develope economically by just making from natival, and people do not soon a great linearing on natival, and people do not soon a great linearing in formation, and people do not soon a great linearing on natival, and people do not soon a great linearing on natival, and people do not soon a great linearing on natival, and people do not soon a great linearing on natival, and people do not soon a great linearing on natival, and people do not soon a great linearing on natival, and people do not soon a great linearing on natival, and people do not soon a great linearing on natival, and people do not soon a great linearing on natival, and people go for tertiary outsides in MEDIS Society as most jobs are much make and before grows and jobs.  None people go for tertiary outsides in MEDIS Society as most jobs are much paide and advanced than and others.  Comment:  Question set not directly answered.  Explain how employment changes when		Leave blank
(b) Name one occupation that is typical of each of the following three sectors:  1. Primary sector  2. Secondary sector  3. Tertiary sector  3. Tertiary sector  5. Mapping MM	(i) Use information from Figure 3a to complete Indonesia's entry in Figure 3b. (2)	1
1. Primary sector  2. Secondary sector  3. Tertiary sector  5. Mapping MM	(1)	1
2. Secondary sector  3. Tertiary sector  Shopping Mall A  (3)  (c) As a country develops economically, its employment structure changes. Use information from Figures 3a and 3b to explain this statement.  A Country doses not derectope economically, by just making row materials, and people do not come a great liveling in formany activities. (in LEDL'S) because, activities are mainly to do muith industry. This gives better goods to trade and people usually get a fixed mage and are transformed for dissentity jobs. This bring ald on morey.  It these are much richer and better goods and jobs.  More people go for fartiery activities in MEDL'S seeing as most jobs are well paids and advanced than the other.  Comment:  Question set not directly answered.  Explain how employment changes		
3. Tertiary sector  Shopping Mall A  (3)  (c) As a country develops economically, its employment structure changes. Use information from Figures 3a and 3b to explain this statement.  A country does not develope economically by just making row materials, and people do not earn a great liveing in framway estimates (in LEDC'S) Secondary activities are mainly to do with industry. This gives better goods to trade and people usually get a fixed wage and are travely for dissevent jobs. This bring also of maney.  It is country so now it can do seen testiany activities.  These are much richer and better goods and jobs.  More people go for fertiary activities in MEDC's seeing as most jobs are well paids and advanced than the others.  Comment:  Question set not directly answered.  Explain how employment changes	1. Primary sector Farming	
(c) As a country develops economically, its employment structure changes. Use information from Figures 3a and 3b to explain this statement.  A country does not develope economically, by just making row materials, and people do not earn a great investing in formancy extinities (in LEDG'S). Secondary activities are mainly to do muth industry. This gives better goods to trade and people usually get a fixed mage and are trained for different jobs. This bring also as morey.  By the country so now it can do see testiany activities.  These are much riche and better goods and jobs.  These are much riche and better goods and jobs seeing.  Comment:  Question set not directly answered.  Explain how employment changes	2. Secondary sector	
Use information from Figures 3a and 3b to explain this statement.  A country does not derivelope economically by just makeing row materials, and people do not earn a quest liveing in famous activities (in LEDC'S). Secondary activities are mainly to do mith industry. This gives better goods to trade and people usually get a fixed mage and are travely for dissevent jobs. This bring also as movey.  It these are much richer and better goods and jobs.  These are much richer and better goods and jobs.  These are much richer and better goods and jobs.  Comment:  Question set not directly answered.  Explain how employment changes	3. Tertiary sector Shopping Mall A (3)	3
including row materials, and people do not earn a great.  liveing in primary activities (in LEDC's) Secondary.  activities are mainly to do mith industry. This gives better goods to trade and people usually get a fixed mage and are trained for dissevent jobs. This bring also as movey.  By the country so now it can do saw tertiany activities.  These are much richer and better goods and jobs.  More people go for tertiary activities in MEDS's seeing as most jobs are well paide and advanced than the others.  Comment:  Question set not directly answered.  Explain how employment changes		
Liveing in (primary activities (in LEDC'S). Secondary  activities are mainly to do mith industry. This gives better  goods to trade and people usually get a lived mage and  are traved for different jobs. This bring alst at money.  By the country so now it can do for tertiany activities.  These are much richer and better goods and jobs.  More people go for (tertiary activities in MEDC's) seeing as most jobs are well paids and advanced than the other.  Comment:  Question set not directly answered.  Explain how employment changes	A country does not develope economistly by just	
activities are mainly to do mith industry. This gives better  gods to trade and people usually get a fixed mage and  are traved for dissevent jobs. This bring also as movey.  By the country so now it can do soon tertiany activities.  These are much richer and better goods and jobs.  More people go for tertiary activities in MEDC(s) society as most jobs are well paids and advanced than the other.  Comment:  Question set not directly answered.  Explain how employment changes	making row materials, and people do not soon a great	
activities are mainly to do mith industry. This gives better  gods to trade and people usually get a fixed mage and  are traved for dissevent jobs. This bring also as movey.  By the country so now it can do soon tertiany activities.  These are much richer and better goods and jobs.  More people go for tertiary activities in MEDC(s) society as most jobs are well paids and advanced than the other.  Comment:  Question set not directly answered.  Explain how employment changes	liveing in (primary activities (in LEDC'S) Seconsary	
are traved for dissevent jobs. This bring alst on movey.  The country so now it can do some testions, activities.  These are much richer and better goods and jobs.  More people go for testions activities in MEDS's social as most jobs are well paide and advanced than the others.  Comment:  Question set not directly answered.  Explain how employment changes		
These are much richer and better goods and jobs.  More people go for tertiary activities in MEDIS seeing as most jobs are well paids and advanced than the others.  Comment:  Question set not directly answered.  Explain how employment changes	gods to trade and people usually get a fixed mage and	
These are nuch richer and better goods and jobs.  More people go for tertiary activities in MEDGS seeing as most jobs are well paids and advanced than the others.  Comment:  Question set not directly answered.  Explain how employment changes	are travel for dissevent jobs. This bring alot at money	
More people go for tertions activities in MEDG'S Seeing as most jobs are well paids and advanced than the others.  Comment: Question set not directly answered. Explain how employment changes	to the country so now it can do saw tertiany activities.	
Comment: Question set not directly answered. Explain how employment changes		2
	Comment: Question set not directly answered. Explain how employment changes	

	Leave blank	
(d) Farming in some LEDCs (Less Economically Developed Countries) fails to prevent food shortages.		
(i) Explain why such shortages occur.		
In some CEDC's the population is so big that the		
demand for Good is greather than the amount or		
food being produced.		
Also places such as Banglobesh Sovetimes (flood).		
This mins crops as does sever droughts) and other		
extrem elinents.		
Comment:	2	
A good example of mere lists rather than explanation (4)		
<ul><li>(ii) For one named LEDC, describe two attempts that have been made to increase food supply.</li></ul>		
Name of LEDC: Kenzo.		
1. Better farming equipment) such as portors and		
contine howester. Doubles the speed of most work)		
eg planing with attle		
2. The case of chemicals and fortiliter and pechicites		*
this may help [plants to guar better and protect them		
from common pects) but the use of chemicals can		
poison water as can posticisas. 2	11	
Comment:	7	
Valid but lacks Kenyan detail	03	t,
(6) (Total 20 marks)	Q3 1 2	
(Total 20 marks)		
	H rn over	

#### 4. Development

(a) Study Figure 4. This shows information about the South West region of the UK (United Kingdom) in 2000, including wealth, indicated by GDP (Gross Domestic Product) per person.

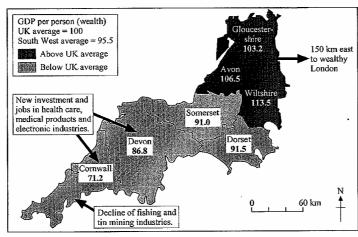


Figure 4

(i) The South West region is one of the less economically developed regions of the UK.

What evidence is there to support this claim?

Commall has less ferrer jobs and medial p	uduets in
health care . Ferre investments and electronic	industives.
There is also a (deline in fishing and time	
Most of the people will more to somewhere i	
can get better jobs.	
	less
It is quite a fremate part of the UK and has	<u>)                                    </u>
	<b>/</b>
Comment:	
Data evidence missing	*******

3

(4)

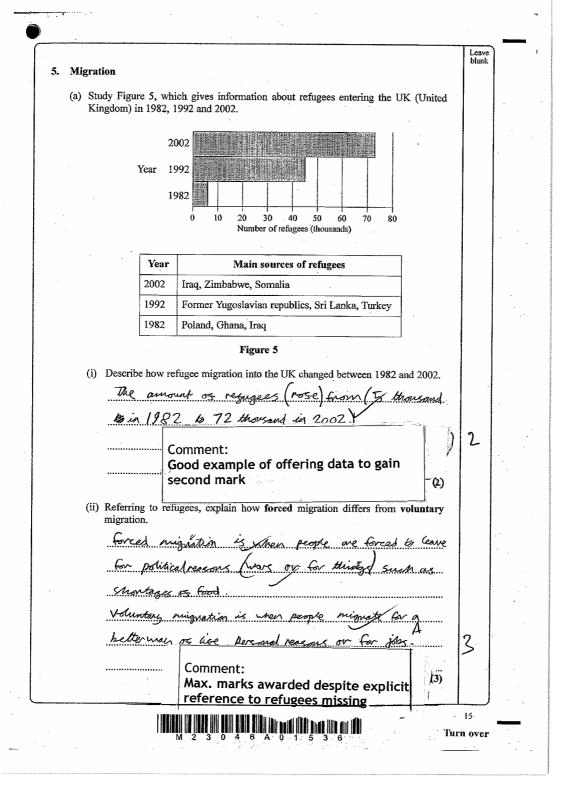
\_\_\_\_\_

12



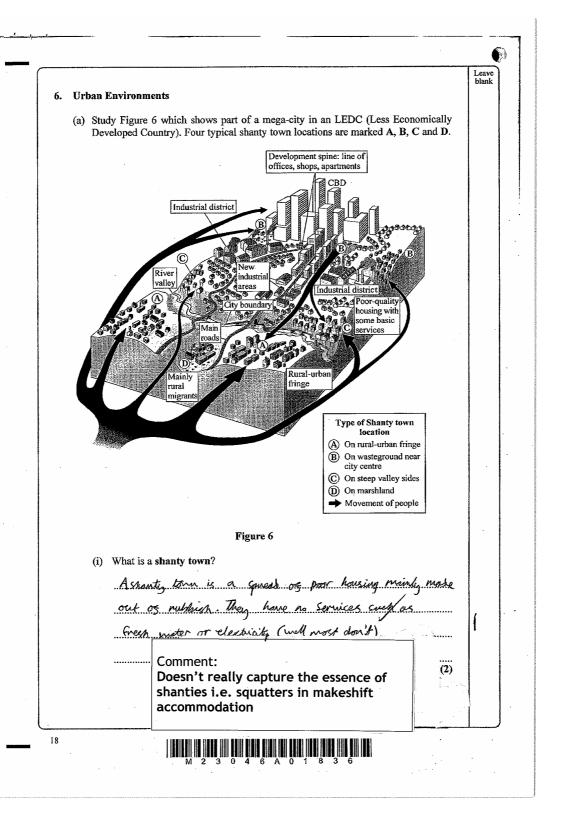
	(ii) Degaribe the nottern of world (CDD assures ) in the Co. d. W.	Leave blank
	(ii) Describe the pattern of wealth (GDP per person) in the South West region.	
	(2)	0
	(iii) Using Figure 4, give two reasons to explain why Cornwall has the lowest GDP	
	per person in the South West region.	
	1. Ferrer jobs in realth care and other abrances	
	folso. People famous more or commute to other	
	regions for betto jobs.	
	- (	
	2 Decline in the weak main source of buistness,	
	Eighing and trin mining mines have become calountes	
	Gener Giph	2
	(4)	
(b)	Apart from a low GDP per person, describe <b>two</b> other features you would expect in a less economically developed area.	
	1 GNP (Gross National Produce), the amount of money	
	a person (on average) can make whithin a country.	
	In this is law it show that most keeple are poor R	
	2. High death and birth rate. This would shan that	
	medical case is poor and that there is no birth controle	1
	lorge population not people die ox decises when	'
	they are young Comment:	
	Poorly chosen features of areas of poverty	
		13 _

_			Leave blank
	(c)	With reference to a named less economically developed area of a country other than the UK, explain why new investment and jobs are so important for development.	
		Named less economically developed area	
			İ
			1
		Comment:	
		Another example of sections not	
		answered	O
		(6)	Q4
		(Total 20 marks)	6
		•	
<b>-</b> 14		1 18 2 18 2 11 11 11 11 11 11 11 11 11 11 11 11 1	**
14			



		Leave blank
(b) (i)	Suggest <b>two</b> reasons why some of the refugees shown in Figure 5 might seek asylum in the UK.	Jank
	Better man of life, more plus or better education.	
	,A	
	Comment:	
	Factors not reasons. Needs development	
	(2)	
(ii)	Suggest why some refugees may later feel that they made the wrong decision in seeking asylum in the UK.	
	Better may of like is poor. Bad living tousingtons and	
	badly paid jobs (Far away from family (homesick))	
		1
THE STATE OF THE S	(3)	
and the second s		
	•	
16		

(c) (i)	Explain the push-pull model of migration.	Leave blank
(0) (1)		
	Bush factors are when migrous people are forced to	
	heave due to for example, mars.	
	Pull Coetors is must moke migrants many to migraile,	
	it might be for a better may of lige.	
	This has we find out my people migrate.	2
2	Comment:	
	Not explanation but throwing vague ideas at the answer  (4)	
(ii)	Use the push-pull model to help explain one named international migration.	
	Named international migration the Jens to Israele).	]-
	7	
	The Jens migrated to Isvale because it was their	
	( new country where they could live and start a new	
	lise there were mainly pull fortages , LIX	
	Comment: Pity because a good example named	2
		- 1
	••••	
		S
	(6)	Q5
		Q5 1 1
	(6)	Q5 1 17

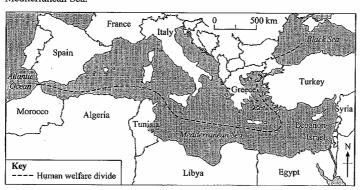


(ii) Explair	how shanty towns contribute to the growth of mega-cities in LEDCs.	Leave blank	
	44 poor people mignate to altys in search of		
	S. They can only appoint to live on the cheap	1	
	mented land on the outshirts of the sty.	į	
	large shanty town estates are formed.	! )	
**********	(2		
(iii) For two is locate	of the locations marked A, B, C or D, give reasons why a shanty toward there.	n	
Locatio	n <u>D</u>		
Reasons	unnated waste land only place past people		
Can	aggord to live much land his cheap and laund by		
	for farming		
*********		.	
Location			
	unmented develop and It is control pear	·	
	industrial district.	1 1	
***************************************	J.	3	
***************************************		.   7	
***************************************	(4,		
	Comment:		
	Along the right lines but no		
	development		
•		.	
			٠,

		Leave blank
	(iv) Suggest why people are moving from location B out towards locations A and C.	
	(2)	0
	(2)	
-	(v) Describe the 'development spine' shown on Figure 6 and suggest why this development is in this location.	
	(4)	0
	Comment:	
The state of the s	Again, section not answered	

(b) How do developments in the rural-urban fringe of cities in MEDCs (Mo Economically Developed Countries) compare with those in the rural-urban fringe	Leave blank					
LEDC cities? Use examples to support your answer.						
Unhow housing is much batter in MEDC & They are						
propoly pand placed housing exteres with good services	ia.					
e. g. frees mater , electricity.						
The when housing found on the finge of LEDC's						
is very poor. It is not placed. Most people live in						
very had conditions without valuble anninetics such as	1 1					
fresh mater or semage Systems.	···.					
	2					
Comment: Vague and poorly focussed comments.						
Not the key contrasts envisaged by the						
question. LEDC shanty development versus commercial development on the						
R.U.F. of MEDC cities	06					
(Total 20 mark						
TOTAL FOR SECTION A: 120 MARK						
·						
	21					

(a) Study Figure 9a, which gives two human welfare indicators for countries around the Mediterranean Sea.



	Human welfare indicator					
Country	Health: number of patients per doctor	Literacy: adult literacy rate (%)				
Spain	360	96				
France	421	99				
Italy	552	97				
Greece	340	93				
Turkey	1385	90				
Syria	1354	65				
Lebanon	1390	80				
Israel	234	96				
Egypt	5419	49				
Lybia	3950	62				
Tunisia	. 2127	65				
Algeria	8400	58				
Morocco	2120	45				

Figure 9a

(i) Suggest why the human welfare divide line has been drawn between countries north of the Mediterranean Sea and those to the south and east.

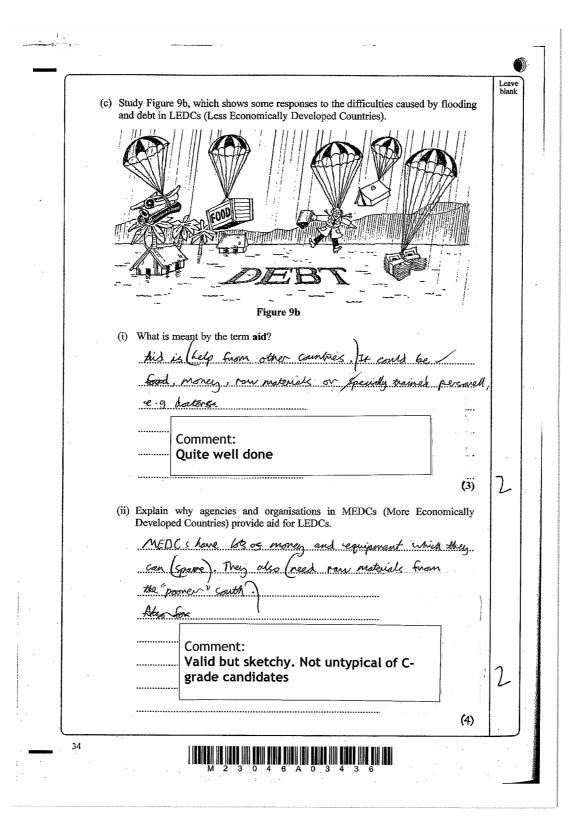
The No	with its mainly MEDCs rule the south	and
east is	mainly LEDCK	
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	Comment: A second mark was available for	
	development or a second point	(2)

31

Turn over

ſ			Leave blank
	(ii)	Explain why literacy and health are often used as indicators of human welfare.	
		Health is to Show what state the medical services	
		are in.	
		literacy is to show how many people can recine	
		education.	
			0
		(4)	
	(iii)	Suggest why the human welfare divide line does not give a full picture of human	
	. 7	welfare differences around the Mediterranean Sea.	
	•	j. 1	
		(4)	0
	,		
		Comment: Disappointing on a choice question	
32		I INTERNALISE MENTER PRIN ERRIK KRING BERKANDAN BERKANDAN BERKANDAN BERKANDAN BERKANDAN	

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. <b>(b)</b>		named country, d		v human welf	are varies	between	its regions.			
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(c)	Describe how aid and trade might be made more appropriate for LEDCs.	eave lank
	Comment: Was this the wise choice of question in	
	Section B? Candidates are advised to choose the question on which they can do the final	
	9 marks.	
		)
	(9)	I
	(Total 30 marks)  TOTAL FOR SECTION B: 30 MARKS	7
-	TOTAL FOR PAPER: 150 MARKS	
	END	
		_ _

#### Attainment at grades A and A\*

An answer awarded an A\* for IGCSE can be distinguished from that achieving an A grade by the depth of knowledge and understanding demonstrated by the candidate. Examples of responses to questions from the May 2005 paper are used here to illustrate the contrasts in answer quality.

Question 1 commenced by asking candidates to use their geographical skills to select the correct words to complete sentences. An A\* candidate displayed the ability to use compass directions, scale lines and to apply knowledge. A typical lower A grade response failed to use one or more of these aspects:

'The straight line distance between Carseri and Kipini is oxbow lake.'

Section a (ii) required candidates to describe the location of flood prone areas. Very high level answers included exact locations and considered the extent of flooding, as shown by the following extract:

'The upper parts of the two tributaries are also prone to flooding until the middle of the streams. one area, 50km from Kislki is also likely to flood'

In contrast, a typical A grade response demonstrated less detailed use of compass directions and distances:

'The area likely to flood are those near the River Tana, most of the area along the river, coming down, passing Bura, Carseri and Kipini.'

Both A and A\* candidates showed similar skill in completion of the graphs in (b) and c (i), however questions c (ii) and (iii) enabled the A\* candidates to develop their answers analytically and to use an extended geographical vocabulary:

'There were natural disasters such as severe drought in 2000 and severe floods in 1998. These either destroyed the crops or prevented farming of next crops.'

A typical A grade response failed to use such specific terms, and lacked depth of analysis: 'Because probably the wheather wasn't so good for planting rice, or the new irrigation scheme that was built didn't work so well due to human mistakes, maybe there was too much irrigation or too little'

Question 2 began by asking candidates to use their geographical skills to label a map and to carry out a basic map reading exercise. These were completed competently by both the A and the A\* students. Sections (b) and (c), however, discriminated between the candidates. While all the candidates were able to complete the flow map, the A\* responses showed greater ability to make in depth conclusions from the observed patterns: The most number of people are from Liverpool, which is quite close to the centre and Bristol which is the furthest from the centre. From Shrewsbury, despite the fact it is the closest, only 3 people visit. From Cardiff and Birmingham, maybe due to the distance (175 km and i45km) the least no. of people come'

The A grade candidates tended to make valid but much more generalised statements: 'the students would learn about where visitors come from ( the name of the town), how many of them come from a given town and how much distance they had travelled to reach Trawsfynydd visitor centre and from which town there is great demand for recreation'.

A similar pattern was evident in section (c) where both A and A\* students showed competence in completing the scatter graph, but the A\* candidates were able to demonstrate the ability to draw sophisticated conclusions and to appreciate any anomalies:

'The relationship is positive correlation. The shorter the distance travelled, the shorter the visitors stay in that area e.g. 20km and 35km people only stay one day.

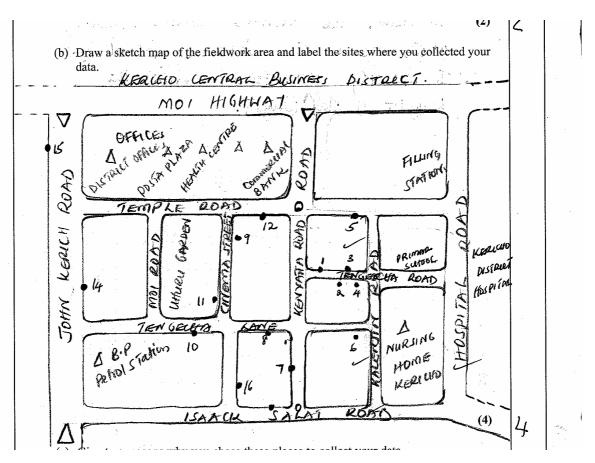
The greater the distance travelled, the longer they stay e.g. people travelled for 200km and 185km stay for 12 days.

the only abnormality is No. 5, where people travelled for 85km stay for less days than people travelled for 80km'.

The A grade candidate tended to make correct but less developed conclusions, and not to comment on any variations from the general trend:

'The further distance travelled to the visit centre (e.g. 200cm) the longer their stay is going to be (e.g. 12 days. The shorter distance travelled to the visitor centre (e.g. 20cm) the shorter their stay is going to be (e.g. 1 day).'

Question 3 required candidates to use their own experience of fieldwork. The A and the A\* candidates were able to demonstrate clear understanding of the aims of the investigation. In addition the A\* students were able to construct highly detailed and labelled maps of their fieldwork areas.



The maps produced by the A grade students tended to lack such specific location information.

In section (c), the A\* students gave full justification for their selection of the data collection sites:

- '1. The water was relatively shallow and the current was not flowing so fast. Thus it was safe enough to go in and measure.'
- 2.'There were less obstacles such as bushes or rocks that were disturbing the flow of the water, thus simpler and easier to measure than other spots'

The A grade students provide less convincing reasons for their site choice, and were sometimes unable to extend their answers beyond a simple statement that they had selected the only suitable site:

'This was the only area of the factory where we could do our observation'.

Section (d) required the candidates to comment on their data collection under the headings of equipment, techniques and sampling procedures. A\* students were able to describe the equipment and techniques in detail and offer some justification for their selection:

'We needed to make recording tables for the width of the channel........... graduated poles to measure the depth of the water/channel; and a spirit level to make sure that the tape and strings are horizontal'

Candidates achieving an A grade did not develop their explanations in depth but provided a more basic outline of the equipment and its use.

'I used questionnaires, tax disc surveys, took photographs and drew sketch maps to collect the data I needed.'

Very few candidates understood the concept of sampling, and even those achieving A\* and A elsewhere on the paper frequently failed to gain marks for this section.

Candidates were asked to explain how they ensured that their date collection was as accurate as possible and to comment on how their data collection might be improved. A\* students were able to suggest, describe and justify their collection, and to write extended answer suggesting improvements:

'For the speed of the river we repeated the process 10 times and got the average of the results to ensure that we got the most accurate result. For measuring the channel width two groups performed it separately so the two results can be compared and get the average.'

In comparison, A grade candidates were able to suggest ways of improving accuracy, but were not always able to show how they made their data collection reliable:

'To make sure my data was correct and accurate, I compared results with other students, re-did some of my data collection and moved positions frequently when asking questions to get a thorough view of my findings.'

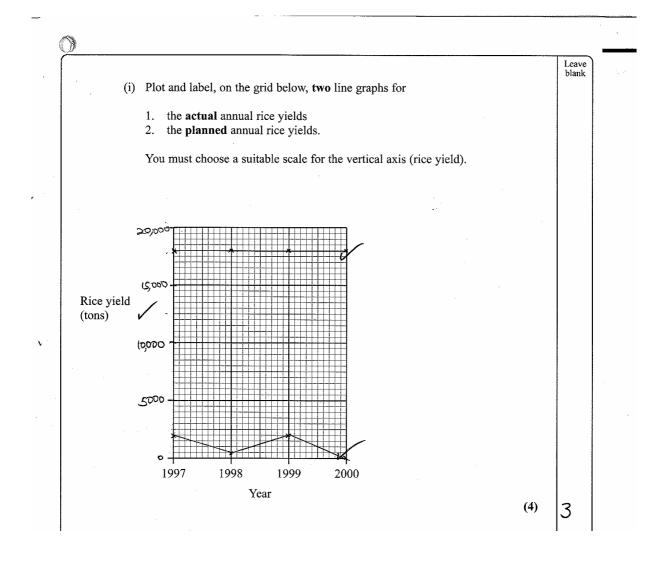
#### Attainment at grades C and D

Candidates were awarded either a D or a C grade depending on their geographical skills and their ability to demonstrate understanding of processes of recording, analysing and making conclusions from a range of resources. A typical C grade student was able to develop their answers beyond the simple statements and repetition of information from the resources which were common in D grade responses.

Both D and C grade candidates were able to complete the majority of the sentences in a (i), and to offer simple descriptions of the flood prone areas in (ii):

'They are mainly between roads and the boundary of the River Tana District.'

Similarly, both sets of students showed competence in completing the graphs for sections (b) and c (i), although the C grade candidates were more likely to label their graphs or to include scale lines, as shown below.

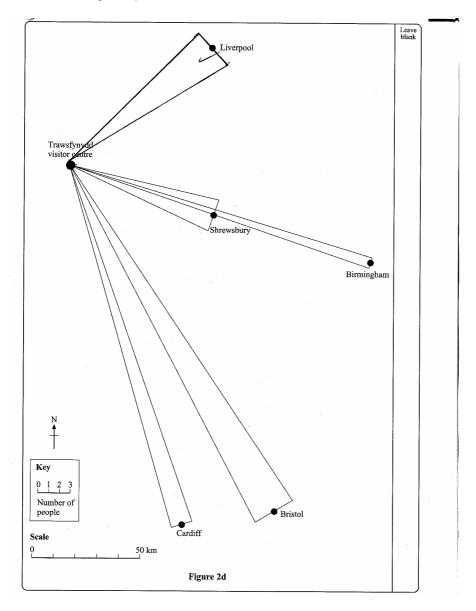


C grade candidates were able to make creditable responses to c (ii) and (iii) sections: 'It might have flooded in that area meaning the irrigation scheme couldn't deal with it.'

The D grade students tended to either ignore these sections or leave the answer space blank, or to write responses that did not answer the question. The following is a typical answer to (iii) where candidates were asked to identify and explain the limitations of the data collected:

The new irrigation scheme favoured only one type of rice grown i.e. Actual annual rice but not planned annual rice.'

The early sections of question 2 enabled both C and D grade students to demonstrate their skills in annotating a map, however both groups found it difficult to read the Ordnance Survey map and there was little to discriminate between answers in this section. However, those obtaining grade C were more successful in the accurate completion of the flow map and describing the patterns shown:



'The visitors lived away from the centre. They travelled a long distance to reach the centre of information'.

In section (c), both the C and D grade candidates were able to use their skills to complete the scatter graph. Those obtaining a C grade, however, could draw some valid, detailed conclusions about the relationships shown by the completed graph:

'As the distance from the Centre increases, the length of stay (days) increases that is, distance is directly proportional to the length of stay.'

The students awarded a D grade were likely to draw basic and brief conclusions: 'The longer the distance travelled the longer the length of stay is.'

Both groups of candidates were able to outline the aims of their fieldwork investigations and many could produce outstanding maps for question 3 (b). However, those obtaining the higher grade provided more detailed accounts of their data collection:

'Counting and recording in travelling and in numbers i.e. counting those who enter the site or come from or pass by the site.'

The candidates reaching a D grade were not able to extend their descriptions of techniques beyond simple statements:

'ask a straight forward question to get a reasonable answer and efficient.'

Section (e) required the candidates to explain how they ensured that their data collection was as accurate and reliable as possible, and to suggest ways in which their data collection might be improved. The students obtaining a D grade tended to make basic suggestions for improvement:

'Writting down only the needed information. Only what is essential.'

Those obtaining a C grade were able to expand on the improvements to their fieldwork but did not extend their responses to explain how these changes would improve their results: 'We could have asked more people and may be gone into a bit more detail about what they were doing on holiday there.'

## Component 4: Coursework

#### Attainment at grades A and A\*

The candidates achieving these grades for the coursework element of IGCSE Geography showed competence in all sections of their investigations. However, those gaining the higher grade demonstrated a clearer appreciation of the aims to be investigated:

'In this coursework I will be investigating the question "'How and why do the processes and landforms of a river change downstream?"'

#### My hypothesis is

- Velocity of the river will increase downstream
- Gradient will decrease downstream
- Bedload will decrease downstream
- Stream discharge will increase downstream
- Wetted perimeter will increase downstream
- Cross sectional area will increase downstream
- Hydraulic radius will increase downstream'

The candidates obtaining an A\* located their study area in detail, frequently with the help of carefully constructed and annotated maps. They demonstrated planning skills and were able to justify the order of data collection.

The students gaining A grades were also able to show well developed and located coursework plans, but these tended to lack the clarity of the A\* accounts:

#### 'Hypothesis:

- 1. There is a relationship between mean velocity and gradient
- 2. There is a relationship between mean velocity and hydraulic radius
- 3. There is a relationship between width and depth
- 4. There is a relationship between distance and discharge
- 5. There is a relationship between bedload shapes and size.'

Both the A\* and the A grade candidates were able to explain and justify the methods used to collect their data, although a typical A\* student showed a greater awareness of the limitations of the data and was able to comment on the problems connected with its collection. Accounts were often accompanied by annotated photographs which provided locations and visual impressions of the data collection site.

#### Method

- Measure the length of the river then divide it by 10 to get points from where you will be picking out the rocks from.
- Then pick out a random rock from the measurement taken and measure the length width and height
- Depending on the size of the rock you choose which ruler to measure it with.



Fig.5 This shows the size and shape of the bedload in the upper course.

#### **Strengths and Limitations:**

The limitations of this method are that when you measure out how far it is for you to pick out a rock, sometimes there is not a rock there so you move your hand around in other directions to find one. The problem with this is that you have then just changed the distance measured out for the correct results. Also the measuring tape usually was not held as straight and as tight as it should have been therefore the distance between each section of the rivers width was not constant. The strengths of this method is that the equipment was quite easy to use and it was very cheap as well.

The students obtaining A grades were able to provide some justification of their selected methods but these tended to lack the development and sophistication of the A\* coursework:

'Reasons for using this method.

Although it might take some time to do the measurements because we need to submerge the tape totally to get accurate readings, but it is the easiest and the least costly method.'

Assessment criterion 3, data presentation, enabled both groups of candidates to demonstrate accurate presentation skills and to use a wide rang of appropriate techniques. The A\* candidates were frequently able to present their information in an original manner, as shown by the following example where the candidate has annotated a series of photographs showing the downstream changes in river characteristics.

# Photos

Fig. 35 Here you can see that there is a waterfall and how there is a slight steepness in the landscape causing the water to flow faster in the upper course.

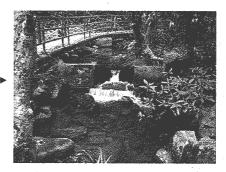
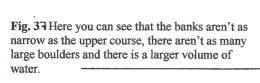


Fig. 36 This is the size and shape of the bedload in the upper

Here you can see that the water is forced to find another route due to the large boulders and veget in the way.





The candidates were able to analyse their data in detail and use evidence to support their conclusions, as illustrated by this typical A grade response:

'Referring to the graphs that I have done for the data presentation I can tell by looking at the bar graphs and scatter graph it has the greatest velocity in the upper course and lowest in the middle course.'

The candidate was then able to consider their original aims and objectives and to make valid comments to justify their ideas:

'I said there is a relationship between the gradient and the velocity which means the higher the gradient is, the faster it is for the velocity. My results actually prove my hypothesis.'

The candidates obtaining A\* grades were able to extend their analyses and conclusions by cross references to specific diagrams, as required in criterion 5, and by indicating that their explanations might be incomplete:

### Attainment at grades C and D

A typical C grade piece of coursework located and introduced the study, outlined the hypothesis being investigated and indicated the sequence of data collection:

'The third aim of this investigation is to determine the relationship between the width and depth of the river.'

The aims provided by D grade candidates lack clarity, and a clear sequence of data collection was usually absent:

'Our main aim on this trip was to find out about the vegetation and watercourses of Kuwait's deserts. In my opinion I think that this was well achieved by both students and staff. Also another big aim for this trip was for all of the geography students to experience exactly what we were studying in school.'

In criterion 2, a D grade piece of coursework provided detailed information about the data required and the methods used to collect and record this information, but did not attempt to explain the choice of methods:

'As we were taken to three different sites, we had to draw and concentrate on different details. After we sketched our drawings we moved to collecting our data. In order to collect our data we had to use ranging poles from one point to another, with a 30m difference in between. We placed our sediment into a plastic bag and named it after the person who collected it.'

C grade candidates were often able to comment on their choice of data and to explain, in some depth, exactly how the data was obtained:

'I believe that the higher the mean velocity the smaller the hydraulic radius. This is because less speed will be lost through friction.

#### **Equipment**

- Measuring tape
- Chain
- Mettre rulers

#### Method

- 1. Check velocity is already known
- 2. Measure out wetted perimeter by using the chain
- 3. Divide width into 10 equal sections
- 4. Measure depth at each section
- 5. Divide cross sectional area by wetted perimeter'

Both grades (C and D) showed the candidates' ability to use a range of methods to present their data. Methods used by the C grade students usually included titles, scales and sometimes figure numbers.

#### The relationship between avrage depth and avrage width.

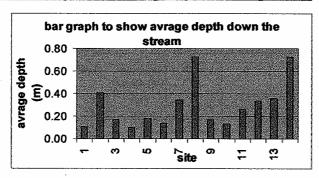


Fig 2.1 shows a bar graph of the average depth down the stream. As you can see from this graph after site 10 the depth has increased as I predicted. Generally throughout the whole river it generally followed this trend. Sites 2, 7 and 8 did not and had very high depths. This could have been caused by human influences or natural such as high discharge caused by rainfall which could lead to more of the river weathered away.

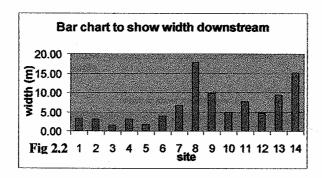
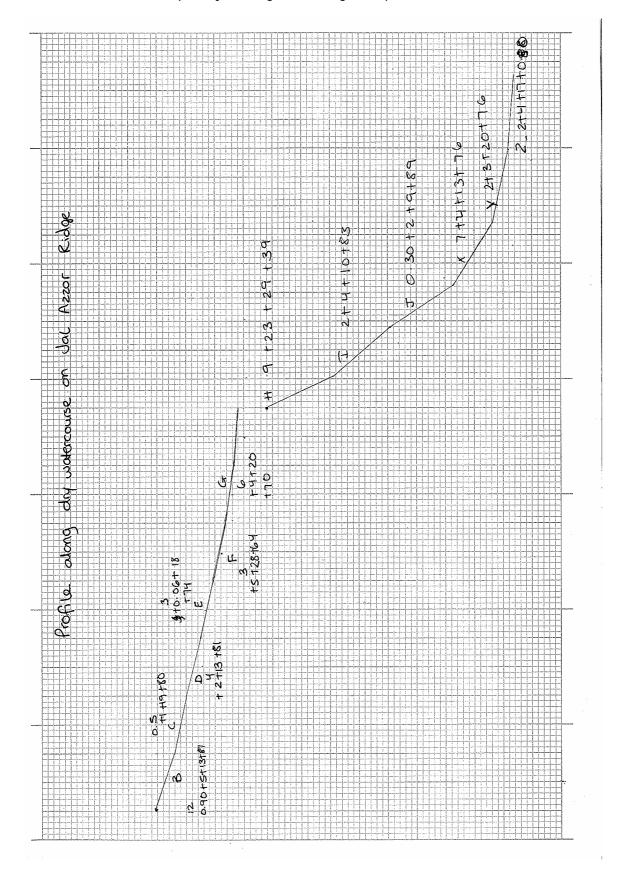


Fig 2.2 is a bar graph to show the change of width down the river. From this graph I can tell that the width has generally increased down the river as I predicted, with some exceptions as like the velocity graph site 8 did not follow the trend.

These details were frequently lacking from a D grade piece of work.



Candidates obtaining a C grade were frequently able to make analytical comments about their data, were able to draw conclusions and recognise limitations and were sometimes able to suggest strategies for improving and developing their studies:

'In fig. 2.9 generally the hydraulic radius has increased as expected, but in this there were also many missing results which would cause in reliability this is mainly due to human error, some people were enable to get sufficient results. But also parts of the river were hard to measure because of the surrounding environment. But this graph shows rouge (rough) result at site 7 where the hydraulic radius is higher than it should be........We could have used sophisticated equipment like flow metres, but many we would not be able to use in such a shallow river.'

A D grade piece of coursework tended to draw more limited conclusions and failed to suggest ways in which the study could be extended:

'In this picture it shows another type of damage. It shows an eroded surface. This is due to the climate and human activity. The rainy season in Kuwait makes this half eroded surface become looser than before. You can work this out using a climate graph.'

The C grade students tended to produce well-organised studies which showed evidence of logical thought. Page numbers and a contents page were usually present, and diagrams were frequently incorporated into the text.

# Contents Page

# Page

- 1-2 Intro and aims
- 3 8 Hypothesis and methodology
- 9 12 Graphs and analysis
- 13 15 Zingg diagrams and analysis
- 16 Conclusions and Evaluation

However, this degree of planning and organisation was often absent from the D grade coursework. Despite containing some high quality maps and diagrams, the studies lacked division into separate sections, and pagination, contents pages and headings were usually missing. This limited the candidates' ability to score highly in criterion 5.

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