SECONDARY SCHOOL ANNUAL EXAMINATIONS 2010

Directorate for Quality and Standards in Education Educational Assessment Unit

FORM 4 GEOGRAPHY (OPTION) TIME: 1h 30 min

For Examiner's use only.

Question No.	1	2	3	4	5	6	7	8	9	Written Exam	Fieldwork Report	Total
Maximum	12	12	Q	10	10	10	10	10	Q	90	10	100
Mark	12	12	0	10	10	10	10	10	0	90	10	100
Score												

Maximum Mark	12	12	8	10	10	10	10	10	8	90	10	100
Score												
The total Write you									ques	tions in t	the space pro	ovided.
Name:										_ Class	s:	
Question 1	Ĺ											
Read the f	ollowi	ng pa	ragi	raph (on hu	ırrica	nes.					
In the east	tern P	acific	, hu	rricai	nes b	egin i	formi	ng b	y mio	d-May, w	hile in the A	tlantic,
Caribbean	, and	Gulf	f of	Mexi	ico, 1	nurri	cane	deve	lopm	ent starts	s in June. F	or the
United Sta	ates, t	he pe	ak]	hurri	cane	threa	at exi	sts fi	rom	mid-Aug	ust to late O	ctober
although t	he off	icial	huri	icane	seas	on b	egins	June	e 1 a	nd ends l	November 30	. Over
other part	s of t	he w	orld,	such	as t	the w	ester	n Pa	cific,	hurrican	ies can occui	r year-
round. De	evelop	ing h	urri	canes	gath	ner h	eat ar	ıd en	ergy	through	contact with	warm
ocean wat	ers. Tl	he ad	ditio	n of	moist	ture b	y eva	pora	tion	from the	sea surface j	powers
them like ş	giant h	ıeat e	ngin	es.								
Now work words give			cise	by an	sweri	ing br	iefly (or cho	oosin	g the corre	ect answer fro	m the
			Ī					•			; Italy; Canad	
											2 winds are at	, marks
50km/l	hr; 30k	km/hr	or 1	19km/	hr.							
											2	! marks
c. What I	nappen	is to t	he hı	ırricaı	ne as	it con	nes in	to co	ntact	with the v	varm ocean w	aters?
											2	2 marks

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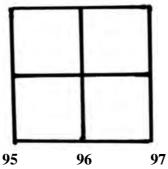
		Studen
d.	How is the weather within the eye of the hurricane? In Rain; Strong gusts of wind	OM
e.	What is the geographical term for the high rise of wa reaches the land? <i>Tide; Tsunami; Storm Surge</i>	ter caused where the hurricane
		2 marks
f.		
••••		2 marks
Ex	Question 2 Examine carefully the given map extract on the following xercise below.	page to help you work out the
a.	. Give the six figure grid reference for :	
	Waterfall	
	Ox bow lake	
	Tributary of River Devon	
		3 marks

b. Tick those characteristics which describe the spring (burn) of the highland area and those which show the characteristics of the River Devon flowing across the flood plain.

Characteristics	Spring	River Devon
The valley is narrow.		
Follows a rather straight course.		
Meanders across the flood plain.		
Flows in an open valley floor.		
The oxbow lake indicates that deposition has occurred.		
The waterfall indicates erosion and fast movement of water.		

3 marks

c. In the given grid mark the northings of the grid boxes 9597; 9697; 9598; and 9698 to correspond with the given OS map. Then shade the area of the settlement Dollar to show its shape when the scale is 1:50000 or 2 cms on the map represent 1 km on the ground.



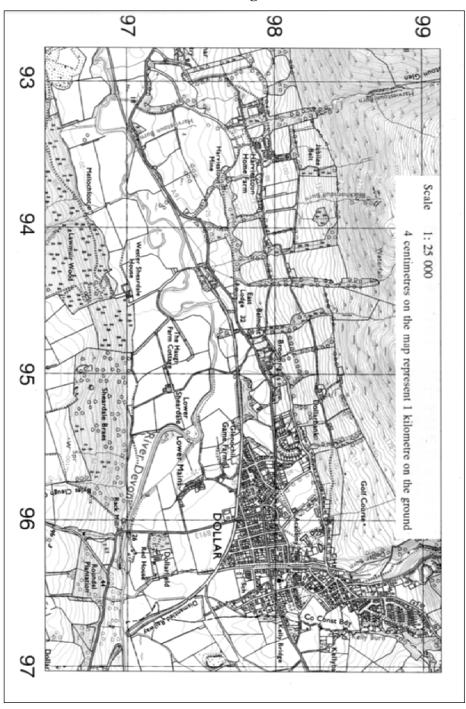
3 marks

d. Explain what led to the development of this settlement Dollar at this particular site on the given map extract. Refer to the map and think about the height of the land; the risk of flooding and resources needed.

.....

3 marks

Northings



Question 3 Examine the given map of the world and read the information that has been given about

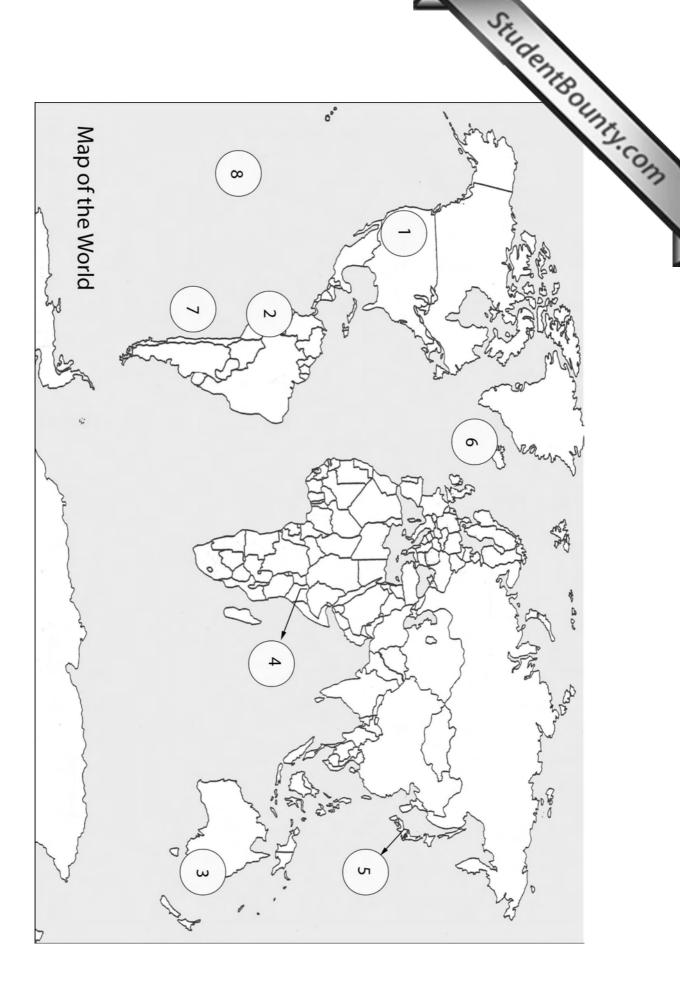
	e given map of the world and read the information that has been given about on to help you.
	THE STATE OF THE S
	1.0
Question 3	
-	e given map of the world and read the information that has been given about
	on to help you.
Locations	Related information
1	They form the major mountain range in western North America. These
	mountains stretch more than 4,800 kilometres from the northernmost part of
	British Columbia, in Canada, to New Mexico, in the United States. The
	range's highest peak is Mount Elbert in Colorado at 4,401m above sea level.
2	These are the world's longest exposed mountain range. They lie as a
	continuous chain of highland along the western coast of South America. The
	range is over 7,000 km long, 200 km to 700 km wide and of an average
	height of about 4,000 m.
3	These mountains are part of the Great Dividing Range, the series of
	mountains and plateaus which run about 3,000 kilometres from northern
4	Queensland to central Victoria. This is a volcano in north-eastern Tanzania rising 4,600 m from its base and
+	is additionally the highest peak in Africa at 5,892 metres, providing a
	dramatic view of the surrounding plains.
5	This is the highest mountain in Japan at 3,776 m. It is an active volcano and
-	is located west of Tokyo, and can be seen on a clear day.
6	This is a volcanic island off the southern coast of Iceland. It was formed in a
	volcanic eruption which began 130 metres below sea level, and reached the
	surface on 14 November 1963. The eruption lasted until 5 June 1967, when
	the island reached its maximum size of 2.7 km ² .
7	This plate is an oceanic tectonic plate in the eastern Pacific Ocean basin off
	the west coast of South America.
3	While most plates are comprised of both continental and oceanic crust this
	plate is almost entirely oceanic.

Fill in the right names which correspond to the numbers from 1 to 8 on the map.

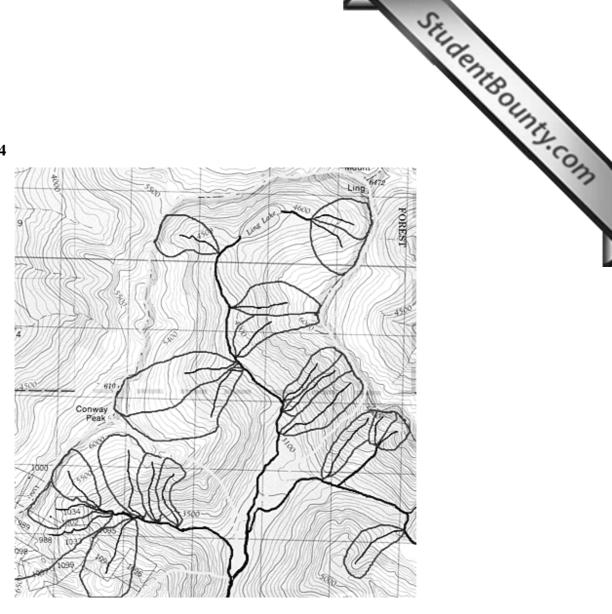
Mountain chain 1 located in North America	
Mountain chain 2 located in South America	
Mountain chain 3 located in Australia	
Volcano 4 located in Tanzania	
Volcano 5 located in Japan	
Volcano 6 located off the coast of Iceland	
Plate 7 off the coast of South America	
Plate 8 is the ocean floor	

8 marks

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a. On the given map the watersheds for the drainage basins of the tributary streams have been drawn.

Using a coloured pencil mark the watershed for the drainage basin of the river that is flowing out from the lake before it joins the other two main rivers.

2 marks

b. On the given map mark the numbers 1 to 2 to indicate the following features of the drainage basin.

1. Source

2. Confluence

2 marks

c. Mark which are the inputs and outputs of a drainage system:

Factors	Inputs	Outputs
Evaporation		
Precipitation		
Snow melt		
Run-off		

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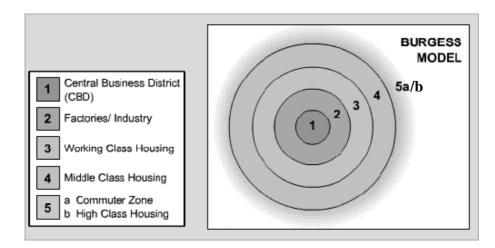
	S
	(Ide
	17/8
d. How does the surface rock of the area at	ffect the water level of a river?
	ffect the water level of a river?
	6 marks
Question 5	
a. The following are names of plates: <i>Nazca</i> ,	; Pacific; Eurasian Plate; African Plate
Give one example of an oceanic plate	
Give one example of a continental plate	
	2 marks
b. Re-write each given point under the rig	
differences between Oceanic and Contine Thickness –	ntal Plates:
• 6-11 km thick.	
 30 to 40 km and with a maximum of 	70 km
Age of rocks –	70 KIII.
 These rocks are older 3.8 billion year 	rs old.
• The rocks are very young, not older t	than 200 million years.
Weight –	
lighter	
• heavier Effects caused by tectonic movement –	
 sinks through the subduction zone an 	nd is constantly being destroyed and replaced.
 cannot sink and is permanent so will chains 	end up being folded and form mountain
Oceanic Plate	Continental Plate

8 marks

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Question 6



Refer to the diagram above and then work out the exercise below.

a. Give three characteristics of the Central Business District or CBD.	
b. Give three main characteristics of zones 2 and 3 which form the Inner City area.	
c. In which zone would you find the most modern buildings?	ſks
d. Explain why a good number of people would like to live in Zone 5.	ks
	cks

Question 7

Student Bounts, com "We know that adults should have about 2,000 calories a day to survive healthily," says Oxfam co-ordinator. "If you cut back to 1,000 they will get sick. Children are especially vulnerable to malnutrition. Hunger means more illness, more medical care, more time to recover, more deaths. It's a cruel circle of misery."

Keaa	ıne	above	ana	ınen	conu	nue in	e sentences	pelow:
	_				_			

a. Malnutrition is a medical condition caused by	
·	2 marks
b. In children malnutrition can	
	2 marks
c. Subsistence agriculture is when farmers grow only enough	
d. Indian subsistence farmers have to use manual labour to	
	2 marks
e. One recent change made by the Indian authorities to help raise the standard of l	iving of
the subsistence farmers is	
	2 marks

Question 8

Farming can cause negative effects on the environment. Explain why for each given point?



Farming	Harms the environment
The draining of wetlands	

Removal of hedgerows and	
rubble walls	
The use of chemicals	
Over cultivation	
Deforestation to increase	
farmland	

10 marks

8 marks

Question 9



Explain why some of the Chinese people have been protesting against the building of the **Three Gorges Dam.** You can refer to **any four** of the following points:

		e; Farmland; Earthquakes;	
• • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •		• • • • • • • • • • • • • • • • • • • •

End of Paper

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