DIRECTORATE FOR QUALITY AND STANDARDS IN EDUCATION

DIRECTORATE FOR QUALITY AND STANDARDS IN EDUCATION Department for Curriculum Management and eLearning Educational Assessment Unit Annual Examinations for Secondary Schools 2012 FORM 3 GEOGRAPHY (Option) TIME: 1h 30min	Name:		Class:
Department for Curriculum Management and eLearning Educational Assessment Unit Trac	FORM 3	GEOGRAPHY (Option)	TIME: 1h 30min
	Department for Curriculu Educational Assessment	im Management and eLearning Unit	Trac

Instructions to Candidates

Answer all questions in the space provided. Write your answers neatly and in good English. Credit will be given for relevant illustrations. The marks for individual questions are shown in round brackets: e.g. (4). There are 9 questions in all. The total mark for this paper is 90.

Examiner's use only

1.

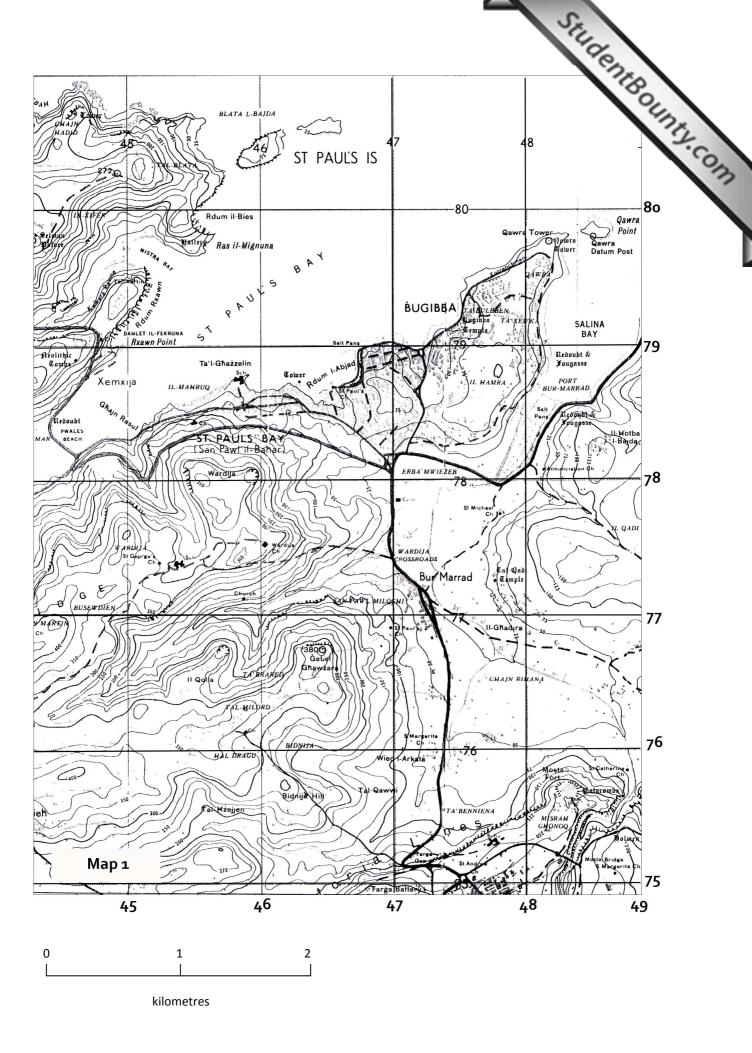
Question No.	1	2	3	4	5	6	7	8	9	Written Exam	Fieldwork Report	Total
Max. Mark	12	8	12	10	10	10	10	9	9	90	10	100
Score												

Stud	ly carefully the topographical map, Map 1 on page 2.	
a.	In which grid squares are the islands of St Paul found?	
		(2)
b.	What would you actually find at each of these map references?	
	458788	
	485757	
		(2)

c. Draw and place the following features on the map itself, using the exact location provided and the appropriate map symbol.

Information centre	479796
Quarry	465765

(4)



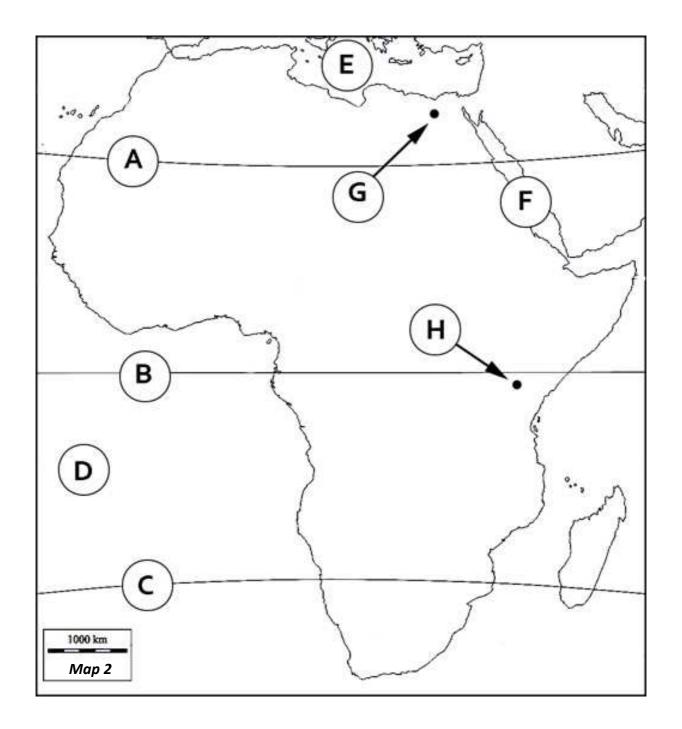
			ide	
d.	Use the linear sca Miġnuna.	ale to measure the straight line distance from	n Qawra Tower to	LID
e.	Shade with a dar	k pencil colour two areas higher than the 35	50 contour line.	(2)
f.	Why do you thin	k that the South Western area of the map is	unsuitable for settlement?	(=)
•••				
				(1)
Stu	dy the map of Afr	rica (Map 2 on page 4) and then answer the	following questions.	
a.	Name the lines o	f latitude marked by the letters A , B and C .		
		Line of Latitude		
	Α			
	В			
	С			(2)
b.	Name the ocean	marked by the letter D .		(3)
		Ocean		
	D			
				(1)
c.	Name the major s	seas marked by the letters ${\bf E}$ and ${\bf F}$.		
		Seas		
	E			
	F			(5)
				(2)

2.

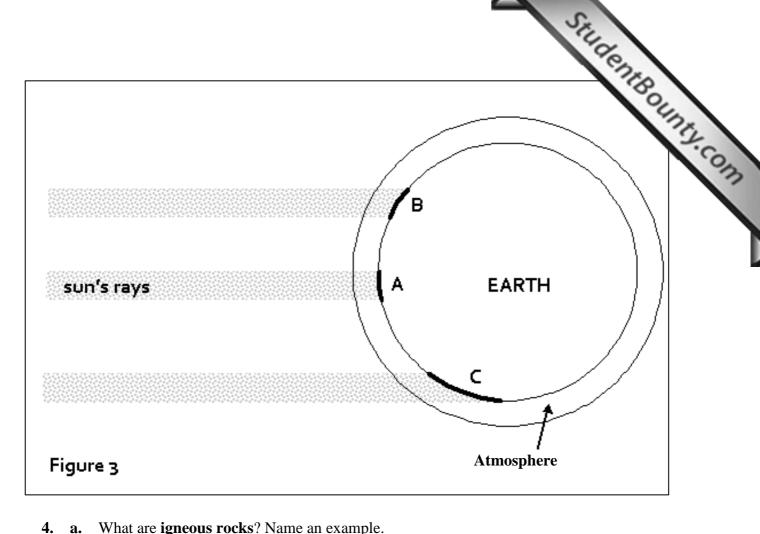
	Capital Cities
G	
Н	

(2)

Student Bounts, com



(4)



a. what are igneous rocks ? Name an example.	
	(3)
b . Explain how <i>metamorphic rocks</i> are different from <i>sedimentary rocks</i> .	
	(4)

c.	Briefly	explain	the	meaning	of the	following	ng to	erms:
					O			

	Briefly explain the meaning of the following terms: Bedding plane:	ry.com
•••	Joint:	13
•••	Impermeable Rock:	

5. a. What type of weathering is represented in the photograph below?



(3)

b.	Describe how the rocks in	the photograph on page 7 are being broken down by
•••		(2)
с.	The diagram below shows thaw weathering.	the initial stage in the breaking down of rocks through freeze-
		 i. In the space provided draw two other diagrams to show how freeze-thaw weathering will finally break up rocks. Label each diagram. (4)
		ii. Write a brief description to show what is happening.
L		

(1)

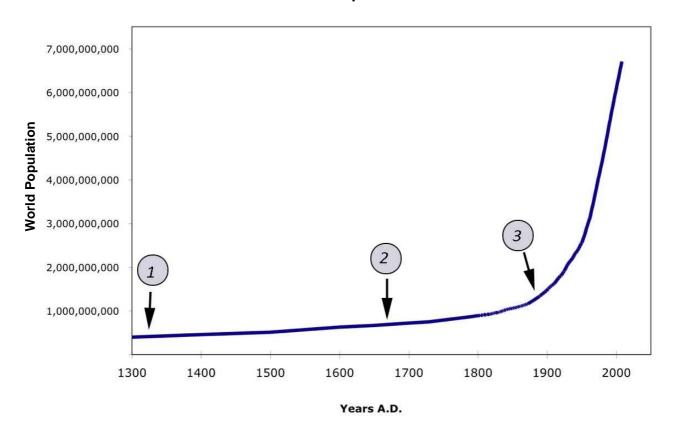
Define the terms: 6. a.

b.

	Stude	
Defi	ine the terms:	
	ine the terms: Birth rate: Death rate:	MILE.C.
i.	Death rate:	
	Natural Population Increase:	I
••••		(6)
-	art from birth rates and death rates, what other aspects of population might affect ulation change in a country?	

Study the graph showing world population growth.

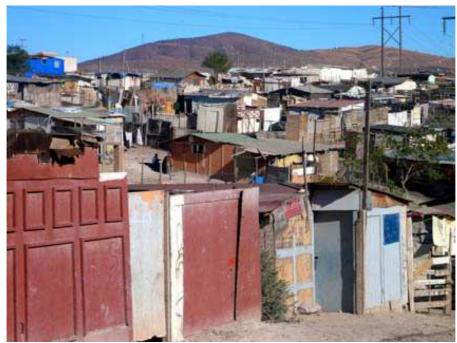
World Population Growth



Describe the popgraph above.			e numbers 1, 2	OH	25
•••••	•••••				1
••••••		• • • • • • • • • • • • • • • • • • • •			•
••••••		• • • • • • • • • • • • • • • • • • • •			•

(3)

7. Study the photographs shown below.



Wooden shacks in Mexico City



The Central Business District of Los Angeles (California)

a.	State and explain possible push and pull factors that might encourage the people the wooden shacks in Mexico City to migrate to Los Angeles.
b.	(5) Describe the advantages and disadvantages of illegal Mexican emigration to the USA.
	(5)

8. Read carefully the following newspaper article about acid rain in China.

Third of China 'hit by acid rain'

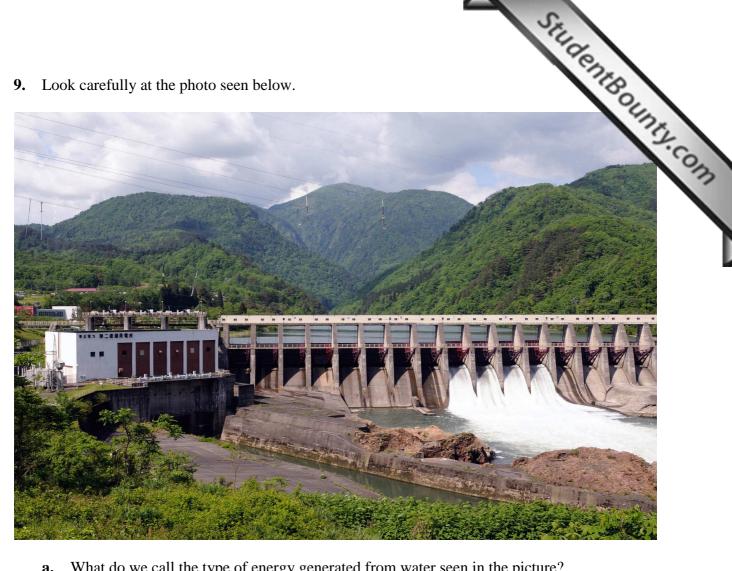
One third of China is suffering from acid rain caused by rapid industrial growth, an official report quoted by the state media says.

Pollution levels have risen and air quality has deteriorated, the report found. This comes despite a pledge by the authorities to clean up the air. China has some of the world's most polluted cities and rivers. A report published recently stated that more than 25.5 million tonnes of sulphur dioxide were spewed out, mainly from the country's coal-burning factories last year - up 27% from 2000. Emissions of sulphur dioxide - the chemical that causes acid rain - were double the safe level, the report said. In some areas, rainfall was 100% acid rain, it added.

Increased sulphur dioxide emissions meant that one-third of China's territory was affected by acid rain, posing a major threat to soil and food safety.

a.	According to the report, what chemical is causing acid rain in most Chinese cit.	2
b.	What is the main source of this chemical in China?	(1)
с.	Name another chemical not mentioned in the report that can also cause acid rain.	(=)
d.	What are the likely effects of acid rain in China?	(1)
e .	What can be done by the Chinese government to reduce the effects of acid rain?	(3)
		•••••
		••••
		••••

(3)



a.	what do we can the type of energy generated from water seen in the picture:	
		(1)
b.	Briefly explain how such energy is produced.	
		• • • • • • • • • • • • • • • • • • • •
		(2)
c.	Explain two advantages and two disadvantages of this source of energy.	

(4)

d.	Name another renewable source of energy that uses water to generate electricity.	
	13.60	1
	(2)	?