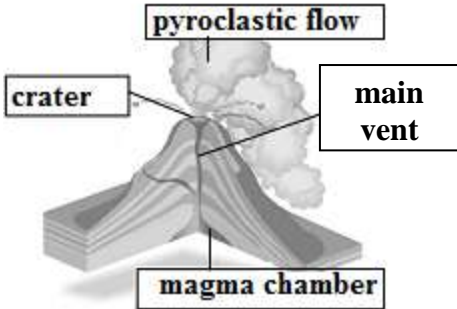


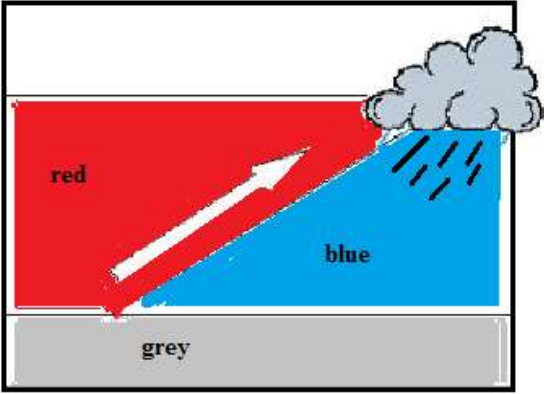
Annual Examinations for Secondary Schools 2014

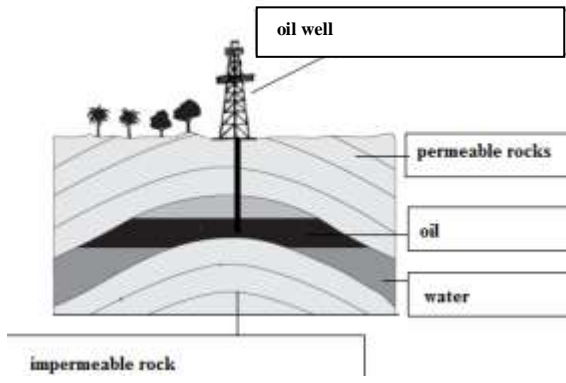
FORM 2	GEOGRAPHY (GENERAL)	MARKING SCHEME
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Question Number	Acceptable Responses	Max. Marks	Mark Allocation	Level
1		23		
1(a)	Hot temperatures in the inner and outer core generate convection currents. These convection currents flow through the mantle. When the convection currents hit the crust, they cause the plates to move and so cause earthquakes and volcanoes. Volcanoes occur on plates that move apart or where one plate sinks under another.	4	1 mark for each of the first three points 1 mark for details of plate movement in relation to volcanoes	L7-3 L8-1
1(b)	Volcano A : Vulcano Volcano B: Etna	2	1 mark x 2	L5-1 L7-1
1(c)	Figure 3	1	1 mark	L7-1
1(d)	An active volcano is a volcano that erupts lava or gas regularly. An extinct volcano is a volcano that no longer erupts because it has no magma.	2	1 mark x 2	L7-2
1(e)	The Mediterranean region is found along a plate boundary. Volcanoes occur on plate boundaries when lava comes out of spaces in the ground. Volcanoes occur along minor plates in the Mediterranean region that move apart or where one plate sinks under another.	3	1 mark each for first two points 1 mark for details of minor plate movement in the Mediterranean region	L7-2 L8-1
1(f)		6	1 mark for each correct label Maximum of 2 marks for clear diagram	L7-6
1(g)	<i>Any two of:</i> Mountains C: Alps Mountains D: Appenines Mountains E: Atlas	2	1 mark x 2	L7-2

1(h)	Fold mountains form when plates move towards each other. The land at the plate boundaries folds and rises forming fold mountains. The fold mountains of the Mediterranean region formed as the Eurasian and African plates moved towards each other.	3	2 marks for the first two points 1 mark for details of collision of Eurasian and African plates	L7-2 L8-1
2		12		
2(a)	A Richter scale 8 earthquake can cause: <i>Any three of:</i> <ul style="list-style-type: none"> • Destruction of buildings • Very high death toll • Tsunami • Permanent changes to the ground • Widespread fires • Widespread damage to livestock and industries 	3	1 mark x 3	L6-3
2(b)	An aftershock is a smaller tremor that occurs after the first earthquake.	1	1 mark	L7-1
2(c)	The aftershock may cause further damage to buildings and more deaths.	2	2 marks	L7-2
2(d)	Figure 6	1	1 mark	L7-1
2(e)	Seismograph	1	1 mark	L7-1
2(f)	Italy, Greece, Morocco or any other relevant answer.	1	1 mark	L6-1
2(g)	<i>The country mentioned in 2(f) to be correctly marked on Figure 2.</i>	1	1 mark	L6-1
2(h)	<ul style="list-style-type: none"> • Do not panic. • Follow the Drop, Cover and Hold procedure. • Do not use lifts. <i>Any other relevant answer.</i>	2	1 mark each for any two points	L6-2
3		19		
3(a)	As rain water falls on the ground, it infiltrates into the soil and into the Upper Coralline Limestone and the Greensands. When it finds the Blue Clay, it stops. Aquifer forms on Blue Clay because it is an impermeable rock.	3	1 mark for each point	L7-3

3(b)	<p>Boreholes or galleries are dug in the ground to reach the aquifer.</p> <p>A pumping station then pumps water from the aquifer.</p> <p>Water is treated with chlorine to remove impurities. Then it is stored in reservoirs and distributed to households and industries.</p>	3	<p>1 mark for each point</p> <p>1 mark for more detailed Level 8 explanation</p>	<p>L7-2</p> <p>L8-1</p>
3(c)	<p>The aquifer is the main source of fresh water in the Maltese Islands.</p> <p>Potable water from the aquifer is cheaper to produce.</p> <p>If aquifer water had to be polluted or exhausted, we would have to produce more water from RO plants which is more costly and which would cause more air pollution.</p>	3	1 mark for each point	L7-3
3(d) (i)	<ul style="list-style-type: none"> - Washing car with pipe. - Use main water instead of well water. - Use high pressure of water to wash car. 	2	1 mark each for any 2 points	L6-2
3(d)(ii)	<p>They could wash the car using buckets of water.</p> <p>They could use well water.</p>	2	1 mark for each point	L6-2
3(d)(iii)	<p>The dirty water may flow onto a permeable surface such as soil or exposed rock.</p> <p>This dirty water may infiltrate the rocks and reach the aquifer.</p>	2	1 mark for each point	L7-2
3(e)	<ul style="list-style-type: none"> • If farmers use too much pesticides, these infiltrate through the soil and rocks and pollute the aquifer. • Toxic waste material from dumping sites can reach the aquifer by infiltration. • Untreated sewage from farms may pollute the aquifer after infiltrating through the soil and rocks. 	4	2 marks each for any 2 points	L7-4
4		14		
4(a)	<p>evaporation</p> <p>rainfall</p> <p>condensation</p> <p>spring</p> <p>aquifer</p>	5	1 mark x 5	L7-5

4(b)		3	1 mark x 3	L6-3
4(c)	Relief rain	1	1 mark	L6-1
4(d)	Cold, warm, rises over, thunder, hail.	5	1 mark x 5	L7-5
5		11		
5(a)	Correct location of the Equator at 0° latitude.	1	1 mark	L5-1
5(b)	Correct location of the Prime Meridian at 0° longitude. Correct location of the International Date Line at 180° longitude.	2	1 mark x 2	L6-1 L7-1
5(c)	Correct location of latitude and longitude passing over the Maltese Islands.	2	1 mark x 2	L7-2
5(d)	Correct location of Sahara Desert in Africa	2	1 mark for correct name of desert 1 mark for correct location	L5-1 L6-1
5(e)	Correct name of any one country partly covered by the Sahara desert.	2	2 marks	L6-2
5(f)	Correct location of any one of the mentioned hot deserts.	2	1 mark for locating desert in the correct continent but not in exact location 2 marks for exact location of the desert	L6-1 L7-1
6		21		
6(a)	Rainfall in the desert is low throughout the year (generally less than 250mm in a year). Rain tends to fall during a few heavy showers during the year. The temperatures are high all year round. Temperatures may reach 40°C to 45°C in	3	1 mark for a sentence describing rainfall 1 mark for a sentence describing temperature 1 mark for Level 8	L7-2 L8-1

	summer. Temperature range between highest and lowest temperatures is high.		detail	
6(b)		5	1 mark x 5	L5-5
6(c)	<p>Oil is transported to the ports through pipelines.</p> <p>Oil is transported to other countries by tankers to be refined.</p> <p>Products of oil such as petrol and diesel are produced in the refinery.</p> <p>Refined oil products are exported.</p>	4	1 mark x 4	L7-4
6(d)	Waxy leaves, store water in branches, roots are short and spread out, low bushes, small leaves	5	1 mark x 5	L6-5
6(e)	Thorns reduce evapotranspiration from plants and so cactus can survive without rain for a long period of time.	2	2 marks	L7-2
6(f)	Figure 17 and Figure 18	2	1 mark x 2	L5-2

Geography

Form 2 –
Marking Scheme Levels 5 - 8
Page 4 No 4 (c)
Answer should read: Frontal rain.