

JUNIOR LYCEUM ANNUAL EXAMINATIONS 2004
Educational Assessment Unit – Education Division

FORM 3

GEOGRAPHY OPTION

Time 1hr 30mins

NAME: _____

CLASS: _____

Section A: Map Reading

1. Refer to the OS Map of Zurrieq and Qrendi (Scale 2cm = ½ km) and answer all questions in this section.

(a) What is the compass direction from:

i) Blue Grotto to Hagar Qim _____

ii) Nigred to Zurrieq Church _____

iii) Mqabba to San Niklaw _____

(3 marks)

(b) What would you find actually on the ground at each of these map references.

528 643 _____

531 649 _____

505668 _____

507673 _____

(4 marks)

(c) What evidence is there on the map that this area was inhabited during pre-historic times?

(1 mark)

(d) What are the four figure reference of these areas

Tal Lanza _____

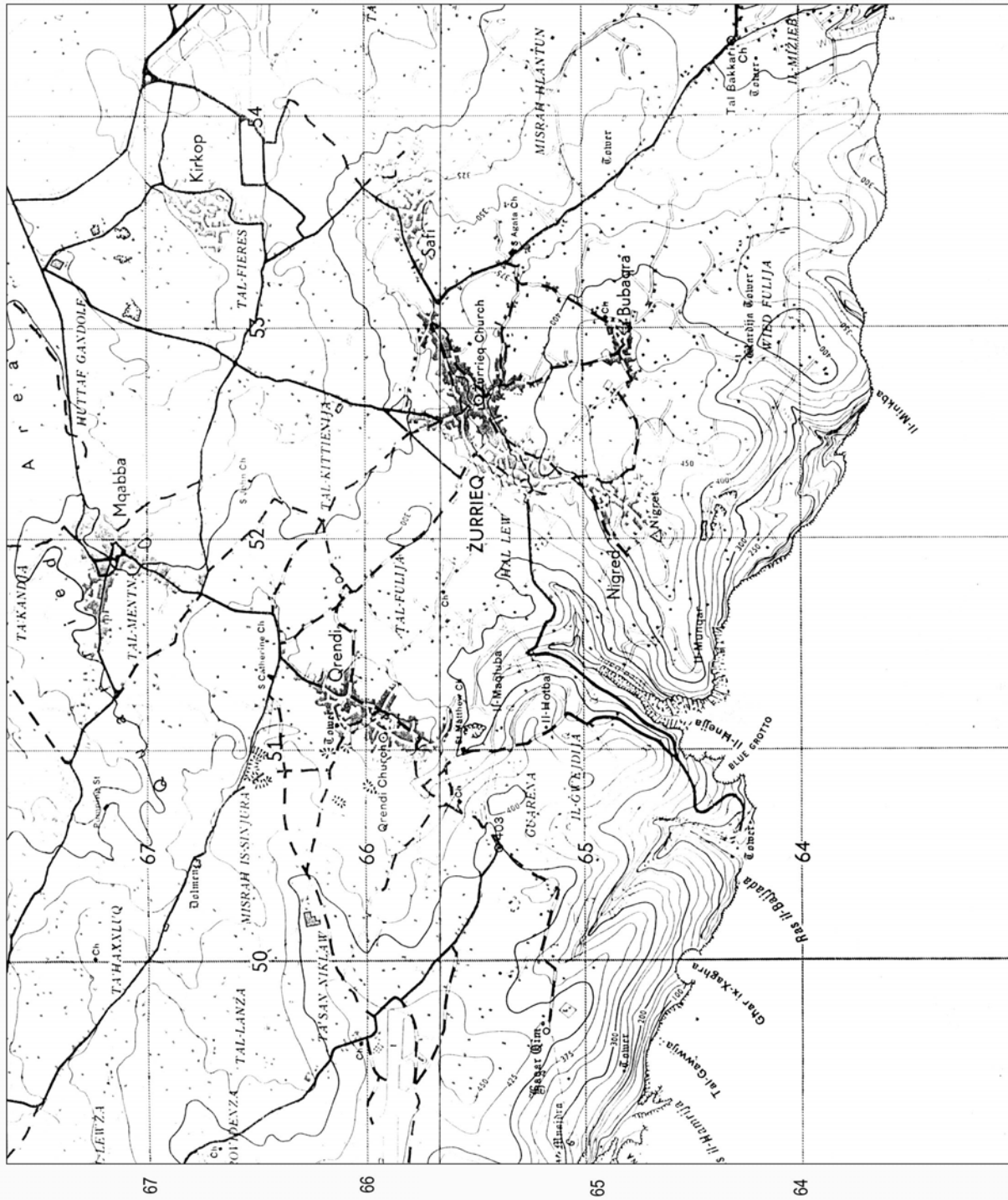
Kirkop _____

Tal-Fulija _____

Ta' Kandja _____

(4 marks)

OS Map Zurrieq and Qrendi



(e) Work out the direct, or straight line distance between

i) Bubaqra Church to Qrendi Church _____

ii) Wardija Tower to St Catherine Church _____

(2 marks)

(f) Work out the shortest route if you go by car from Zurrieq Church to Hagar Qim.

(2 marks)

(g) In which grid squares are the steepest slopes found?

(2 marks)

(h) Suggest one reason for the refusal of a permit by the Malta Environmental Planning Authority to start a quarry in grid square 4965.

(2 marks)

Section B: Physical Environment

2. Refer to the Map of the World and answer all the following questions.

(a) Name the city marked by the number 1.

(1 mark)

(b) In 1755 city 1 on the map, was devastated by a natural hazard. Name the natural hazard that devastated city 1.

(1 mark)

(c) Briefly describe two types of danger experienced by the people living in city 1 during its devastation in 1755.

(2 marks)

(d) Name the island marked by the number 2 on the map.

(1 mark)

(e) Name a volcano found on this island.

(1 mark)

(f) Continue the following

Stretching south of Island 2 is the underwater ridge known as

_____. According to Harry Hess, an American

_____ the ocean floor is very slowly spreading sideways in both

directions from the ridge. This movement is the result of _____

currents in the molten rock below the ocean floor.

(3 marks)

(g) Fill in the table below by writing down the name of one volcano in each named region. Mark and name these volcanoes on the map of the world.

Mediterranean	
South America	
North America	
Asia (excluding Volcano 4)	

(8 marks)

(h) Name the fault marked by the number 3 on the map.

(1 mark)

(i) This fault is found in the state of (California, Arizona, Texas).

(1 mark)

(j) Describe why the area marked 3 on the map is hit by severe earthquakes.

(2 marks)

(k) Name the volcanic island marked by the number 4 on the map.

(1 mark)

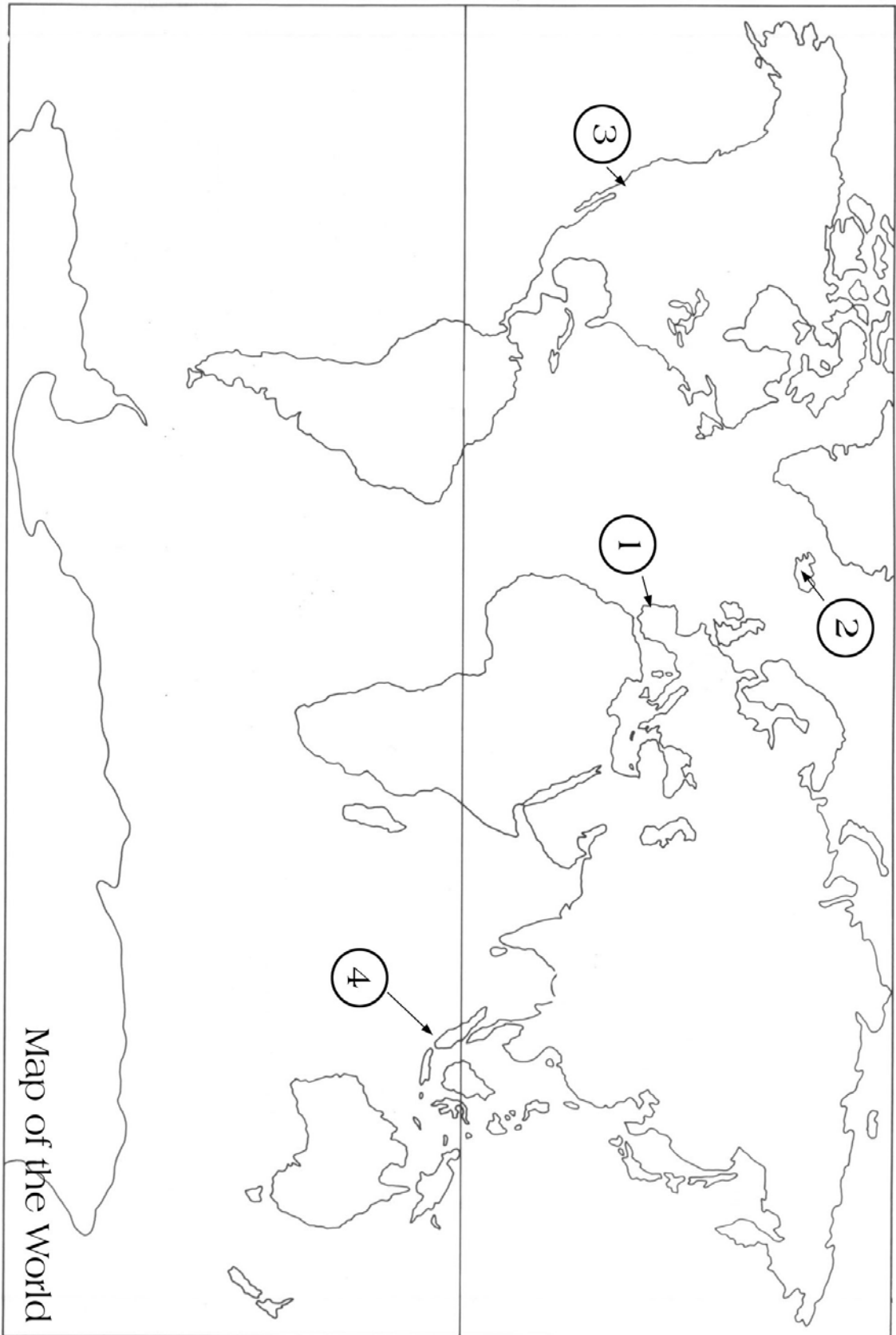
(l) Describe what happened in 1883 when volcano 4 erupted.

(2 marks)

(m) Say if the following statements are true or false by ticking (4) the correct box.

	True	False
The ash blown into the air when volcano 4 erupted fell all into the sea around Indonesia itself.		
The ash thrown out from volcano 4 was blown around the world by the jet stream.		
The jet stream is a wind blowing at 30 km above the earth's surface.		
The layer of ash between the sun and the earth's surface increased the temperature on the ground.		

(4 marks)



3. Read the newspaper headlines entitled 'Prestige Oil Disaster'.

Prestige Oil Disaster

19th November 2002

The tanker 'Prestige' carrying 20 million gallons of oil split and sank off the north west of Spain triggering one of the world's worst oil spills.

In total, 915 kilometres of coastline have been closed to fishing and shellfish gathering, affecting 90,000 people whose livelihood depends directly on these activities. The Spanish government has promised financial compensation for losses sustained by the fishermen, in an area which is famous for its shellfish, octopus and crabs.

Spanish beaches are ruined in oil and scores of animals are covered in sludge.



(a) Where did the tanker run aground?

(2 marks)

(b) What was it carrying?

(2 marks)

(c) Name two direct effects on the coastline.

(2 marks)

(d) Name two economic activities severely hit by the accident.

(2 marks)

(e) Name another country that could easily be affected by this accident.

(1 marks)

(f) Name two other sources of sea pollution.

(2 marks)

4. (a) Say if the following statements are true or false by ticking (4) the correct box.

		True	False
1	The earth spins round every 23½ hours.		
2	That part of the earth facing the sun will be daylight.		
3	The sun is moving round the earth once every 364½ days.		
4	Europe is found in the Northern Hemisphere while Australia is found in the Southern Hemisphere.		
5	The Earth is tilted with an angle of 42½ °		
6	In July the North Pole is tilted towards the sun and it is warmer in the Northern Hemisphere.		
7	Near the North Pole in July the sun sets at about 8:00 pm.		

(b) Now rewrite the false sentences from exercise 4(a) to form correct statements.

(11 marks)

Section C: Human Environment

5. (a) On the Map of the World, shade and name three densely and three sparsely populated areas.

(6 marks)

(b) What is meant by the terms;

(i) sparsely populated

(ii) densely populated

(2 marks)

(c) How is the density of a country calculated?

(2 marks)

6. (a) What is meant by the term megacity?

(2 marks)

(b) On the map of the world mark and name 5 megacities.

(5 marks)

(c) Many megacities are growing rapidly due to the fact that many people are moving to them from the surrounding rural areas.

(i) What is this movement of people called?

(1 mark)

(ii) Give three reasons why people from the countryside may wish to move into cities.

(6 marks)

(iii) Name three problems likely to occur in urban areas when large numbers of people move into them.

(6 marks)

End of Paper