

**JUNIOR LYCEUM ANNUAL EXAMINATIONS 2007**  
**Educational Assessment Unit – Education Division**

**FORM 3**

**GEOGRAPHY OPTION**

**Time 1h 30min**

**NAME:** \_\_\_\_\_

**CLASS:** \_\_\_\_\_

**Answer ALL questions.**

1. Refer to the OS Map of Wied Moqbol.

a. Give the four and six figure grid reference of the following letters marked on the map.

<b>Grid Reference</b>		
	<b>4-figure grid reference</b>	<b>6-figure grid reference</b>
<b>A</b>		
<b>B</b>		
<b>C</b>		

(3 marks)

b. Name two features found in grid square 5463.

\_\_\_\_\_

(1 mark)

c. What would you find actually on the ground at each of these map references:

557632 \_\_\_\_\_

548625 \_\_\_\_\_

(1 mark)

d. What is the compass direction from:

i. the centre of the quarry in grid square 5765 to the Bronze Age remains.

\_\_\_\_\_

ii. the rock in grid square 5861 to the water tank in grid square 5464.

\_\_\_\_\_

(2 marks)

- e. Name two economic activities practised in the area represented by the map. What evidence can you find from the map?

Economic activity	Evidence from the map

(2 marks)

- f. Calculate the distance from:

- i. letter D to letter E in the quarry in a **straight line**.

\_\_\_\_\_

- ii. from letter F to grid reference 578645 **along the road**.

\_\_\_\_\_

(2 marks)

- g. What evidence is there on the map to show that the area was habitable thousands of years ago?

\_\_\_\_\_

(1 mark)

- h. In the following grid squares or grid references draw the following OS map symbols.

6065	Quarry
5665	Coniferous trees
5763	Spoil heap
5662	Picnic site
5662	Caravan site
5961	Lighthouse

(3 marks)

2. By referring to the map of the world,

a. Name the following energy rich countries:

1		4	
2		5	
3		6	

(3 marks)

b. On the map mark and name the following countries:

Kenya	Turkey
Brazil	Indonesia
Canada	China

(3 Marks)

c. Name the seas numbered:

7		10	
8		11	
9		12	

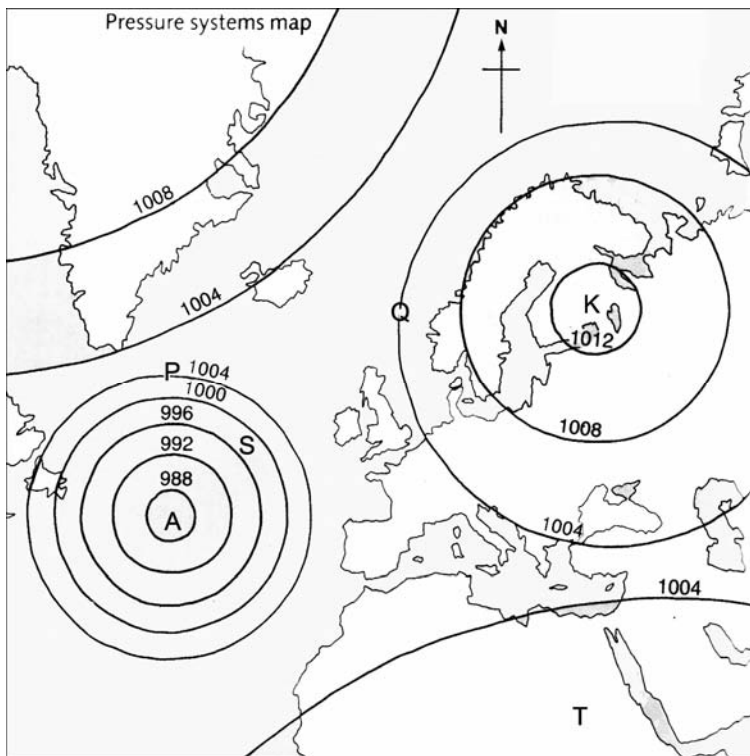
(3 marks)

d. Name the ocean currents marked by arrows on the world map. Next to each ocean current, in the box below, write if it is warm or cold.

<b>Ocean Currents</b>		
	Name of Ocean Current	Warm or Cold
13		
14		
15		
16		

(6 marks)

3. Study carefully the following synoptic chart. Now answer the following questions.



a. What do we call the lines drawn on the map above? What do they show?

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(2 marks)

b. The air pressure at P is \_\_\_\_\_ millibars.

(1 mark)

c. The pressure at Q is \_\_\_\_\_ .

(1 mark)

d. The pressure is lowest at the place labelled \_\_\_\_\_ on the map. It is about \_\_\_\_\_ mb .

(1 mark)

e. Which letter shows a place at high pressure? \_\_\_\_\_

(1 mark)

f. Which place is likely to be windier, S or T? \_\_\_\_\_ Why?

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(2 marks)

g. Which place is more likely to have rain, K or A? \_\_\_\_\_ Why?

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(2 marks)

4 a. Write the geographical term used to describe the following:

Meaning	Word
Where an underground spring flows out into the open.	
Where a stream disappears and flows underground.	
A large opening under the ground. It is made when water flows underground.	
Water drips from the roof of the cave. Limestone is left behind, making a finger-shaped stone.	
Lines of weakness or cracks at right angles to the bedding planes.	
Limestone builds up on the cave floor because water with limestone in it drips down.	
Where stalactites and stalagmites join.	
Horizontal junctions between layers of limestone from which water passes.	

(4 marks)

b. Study the diagram showing limestone scenery. Explain why surface stream disappears at A and reappears at B.

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





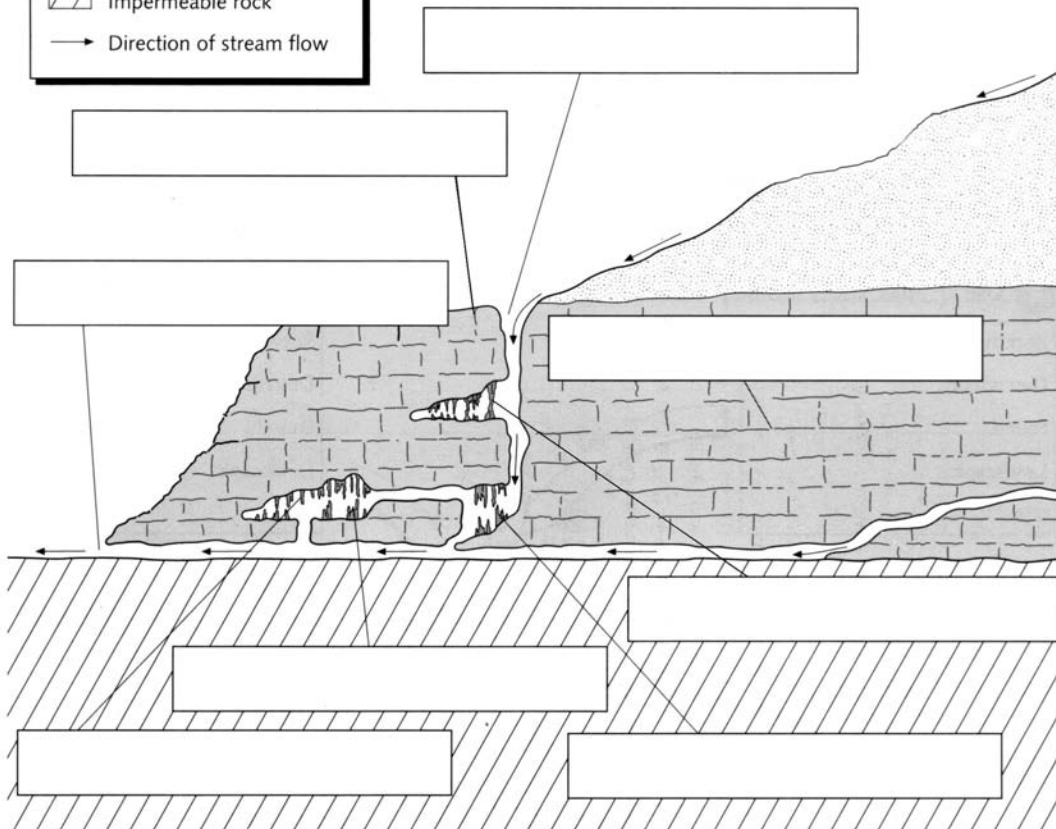
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(2 marks)

c. Now label the diagram below, with the same key words used in question 4a.

**Limestone scenery**

	Impermeable rock
	Carboniferous limestone
	Impermeable rock
	Direction of stream flow



(4 marks)

5. Explain the meaning of:

a. **population distribution:**

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(2 marks)

b. **population density:**

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(2 marks)

c. Work out the population density for the following countries. The numbers have been simplified.

<b>Country</b>	<b>Area</b> <i>thousands km<sup>2</sup></i>	<b>Population</b> <i>thousands</i>	<b>Population density</b> <i>(people / km<sup>2</sup>)</i>
Norway	300	3900	
Bangladesh	150	90000	
Australia	7500	15000	
Singapore	0.5	25000	
Malta	0.3	400	
Libya	1800	5300	

(3 marks)

d. From the table above name two countries with a very high density of population.

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(1 mark)

e. Describe the problems that can be created in countries with a very high density.

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(2 marks)

6. Read what this Swede has to say about pollution in his country.

*I live in Sweden and we have been fighting to reduce sulphur dioxide and nitrogen oxide emissions for years. We have cut our energy consumption and cleaned up our power stations but well over half our acid pollution comes from other countries. A fifth of our lakes are damaged and many are already dead. Coniferous forests are suffering, which hurts our economy - and tourism.*



a. Name the two chemicals that are causing serious damage to the forests.

\_\_\_\_\_

(2 marks)

b. The weakening of trees in Sweden is the result of

Global warming	
Acid Rain	
Ozone Depletion	

(1 mark)

c. How the Swedes manage to reduce these chemical emissions from the air?

\_\_\_\_\_  
\_\_\_\_\_

(2 marks)

d. Although the Swedes managed to reduce by half these emissions the problem still persists. Why?

\_\_\_\_\_  
\_\_\_\_\_

(1 mark)



e. Name two effects of acid pollution in this country.

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(2 marks)

f. Name two other problems that can result from acid pollution.

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(2 marks)

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7. Study carefully the following diagram.

a. On the diagram itself mark:

- i. the earth's axis,
- ii. the angle of the earth's axis with the perpendicular, and
- iii. the North and South Pole.

(4 marks)

b. With a light pencil colour shade the area in daylight.

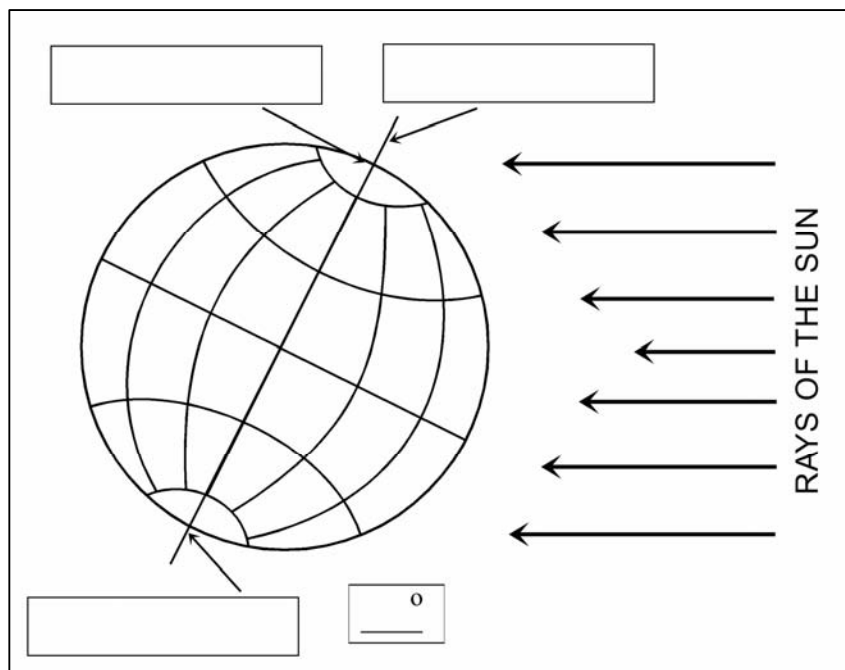
(2 marks)

c. With a dark pencil colour shade the part in darkness.

(2 marks)

d. Draw an arrow on the diagram itself to indicate the direction of the earth's rotation.

(2 marks)



8. Give the meaning of the following terms:

a. **international migration:** \_\_\_\_\_

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(2 marks)

b. **rural-to-urban migration:** \_\_\_\_\_

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(2 marks)

c. **counter-urbanisation:** \_\_\_\_\_

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(2 marks)

d. What is the difference between forced and voluntary migration? Give a reason for each.

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(6 marks)

e. Many thousands of people migrate every year from Mexico to the USA.

i. Give some reasons to explain why this movement of people takes place.

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(4 marks)

ii. List two types of jobs done by Mexican workers in the USA.

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(2 marks)

iii. Give two reasons to explain why the USA authorities try to restrict Mexican workers.

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(2 marks)



