JUNIOR LYCEUM ANNUAL EXAMINATIONS 2010
Directorate for Quality and Standards in Education
Educational Assessment Unit

FORM 5 GEOGRAPHY (OPTION) TIME: 1h 45min

Name: __________________________                                                 Class: _________

N.B. Answer all questions. Read carefully all the instructions for each question and use good English. The use of blank paper, pieces of string and calculators is allowed.

1. Study figure 1, Ordnance Survey map GOZO, of scale 1:25000 or 4cm = 1km and answer the following questions:
   a. What building is situated at grid reference 397852? _______________    (1)
   b. Work out the six-figure grid reference for Taĉ-Ċawl Rocks. _______________  (1)
   c. What is the compass direction from Cominotto (388859) to Mġarr Harbour (370872)? _______________ (1)
   d. If you walk from Church at Mġarr Harbour (365872) due West for 500 metres what building would you find? _______________ (1)
   e. Measure the straight line distance, in metres or kilometres, between Ghar Dorf (400886) and Hondoq ir-Rummien (390874). _______________ (1)
   f. Measure the distance in metres or kilometres along the coast between the two same places. _______________ (1)
   g. Historical monuments and buildings are usually named in the Gothic style of writing. Mention TWO such places shown on the map. _______________ _______________ (2)
   h. Give one proof that sea transport is important in the area. _______________ (1)
   i. Look at the areas in grid squares 3790, 3988 and 4088. What primary industry is or was carried out there? _______________ (1)
   j. In grid square 3888 (Il-Wilha), the contour lines are widely spaced. What does this mean? ____________________ (1)
   k. In the space below plot a cross-section of the line A – B from west of Hondoq ir-Rummien in Gozo to south of Ghar Ghana in Comino. Remember that the coastline is at 0 metres height or sea level. State whether there is intervisibility between the two places or not.

___________________________________________ (4)

Cross-section A – B
2. Study figure 2 Outline Map of the World and answer the following:
   a. What major ports are marked 1 to 5? (5)
      1. ________________ 2. ________________ 3. ________________
      4. ________________ 5. ________________
   b. Mention the major ice-covered areas where A to E are situated. (5)
      A. ________________ B. ________________ C. ________________
      D. ________________ E. ________________

3. Figure 3 below is a climograph for Mumbai (Bombay) in India, which has a tropical monsoon type of climate. Study the graph and answer the following questions.

   **Figure 3 – Climograph of Mumbai (Bombay)**

   a. What is the annual average total precipitation for Mumbai? ____________ (1)
   b. What is the annual range of temperature at Mumbai? ____________ (1)
   c. What is the average temperature in January? ____________ (1)
   d. Which is the hottest month? ____________ (1)
      Give TWO reasons for this.
      i. _______________________________________________________ (1)
      ii._______________________________________________________ (1)
e. Mention one rainless or dry month. ____________________

f. Which are the two wettest months? ____________ ____________

(2)

g. What is the total rainfall for the 4-month period from June to September. ____________

(2)
h. Mention TWO countries, other than India, which have a monsoon type of climate.

________________________ ____________________

(2)
i. Give one simple cause for the onset of the summer monsoon. ____________

_______________________________________________________________________

(2)

4. Study figure 4 Cross-Section of Valley Glacier below and answer the following questions.

Figure 4 – Cross-Section of Valley Glacier

a. Name the features marked 1, 2 and 3. (3)

1. ________________ 2. _______________ 3. _______________

b. What are zones X and Y called? (2)

Zone X __________________________ Zone Y ____________________________

c. What is happening at A? __________________________

(1)
d. What are the features B and C called? (2)

B. ________________ C. ________________

e. Which two types of erosion are most common at B? (2)

________________________ ____________________

5. a. Define the term **erratic**. ________________________________________________

_______________________________________________________________________

(2)
b. Define the term **drumlin**. ________________________________________________

_______________________________________________________________________

(2)
c. In the space provided below, draw a simple diagram of a drumlin. With an arrow show the direction of movement of ice. 

Diagram of a drumlin

(2)

d. Outline the circumstances under which a glacier will retreat. What is happening to the world’s glaciers today?

___________________________________________________________________________
___________________________________________________________________________
___________________________________________________________________________
___________________________________________________________________________
___________________________________________________________________________

(4)

6a. What is the difference between secondary and tertiary industry?

___________________________________________________________________________
___________________________________________________________________________
___________________________________________________________________________
___________________________________________________________________________
___________________________________________________________________________

(4)

b. What does de-industrialisation mean?

___________________________________________________________________________

(2)

c. Here are two factors that affect location of industry. Give the reason why each is important for a decision about where to build a factory.

i. raw materials

___________________________________________________________________________

(2)

ii. market

___________________________________________________________________________

(2)
7. Study the following figure 5 – Triangular Graph of Employment Structures and then answer the questions below.

Figure 5 – Triangular Graph of Employment Structures in Countries A and B

a. What does the triangular graph above show? _____________________________________ ___________________________________________________________________ (2)

b. Find out the percentage number of workers occupied in each of the three sectors in Country A and Country B.
   
   Country A - primary - _______ secondary - _______ tertiary - _______ (2)

   Country B - primary - _______ secondary - _______ tertiary - _______ (2)

   By looking at the answer of question 7 b, which of A and B, do you think is the More Economically Developed Country? __________ (2)

d. Why do you think so? ________________________________________________________ ___________________________________________________________________ (2)

8a. Define the term ecosystem. (2)

   ____________________________________________________________________________ __________________________________________________________________________

   b. Why are air and solar energy important non-living components of an ecosystem? (2)
      i. air  __________________________________________________________________________

      ii. solar energy  __________________________________________________________________________
c. Here is a list of six ecosystems. Write them down under the proper heading.  

wetland, freshwater pond, under a stone, tundra, water droplet, hot desert

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<th>Ecosystems</th>
<th>Micro</th>
<th>Meso (Middle)</th>
<th>Global (Biome)</th>
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9. Comment about the causes and effects of deforestation in the Amazon Rainforest.  

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Fig. 1 for Q. 1 - GOZO Map
(1:25000 / 4cm=1km)