

JUNIOR LYCEUM ANNUAL EXAMINATIONS 2010

Directorate for Quality and Standards in Education
Educational Assessment Unit

StudentBounty.com

FORM 5

GEOGRAPHY (OPTION)

TIME: 1h 45min

Name: _____

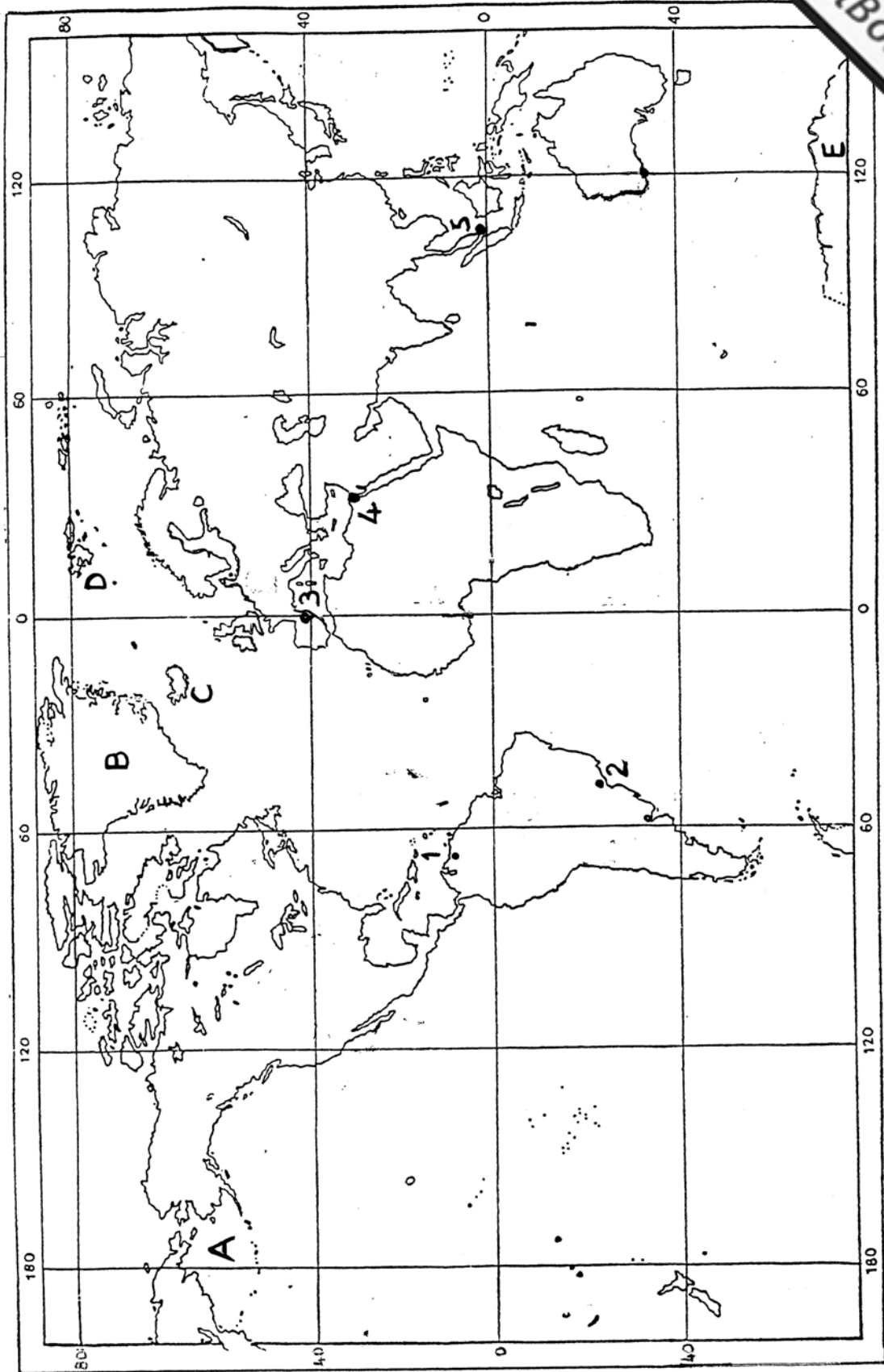
Class: _____

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 Taç-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 Għar 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-Wilga), 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 Għar Għana 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

Fig. 2 for Q. 2 – WORLD MAP



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)

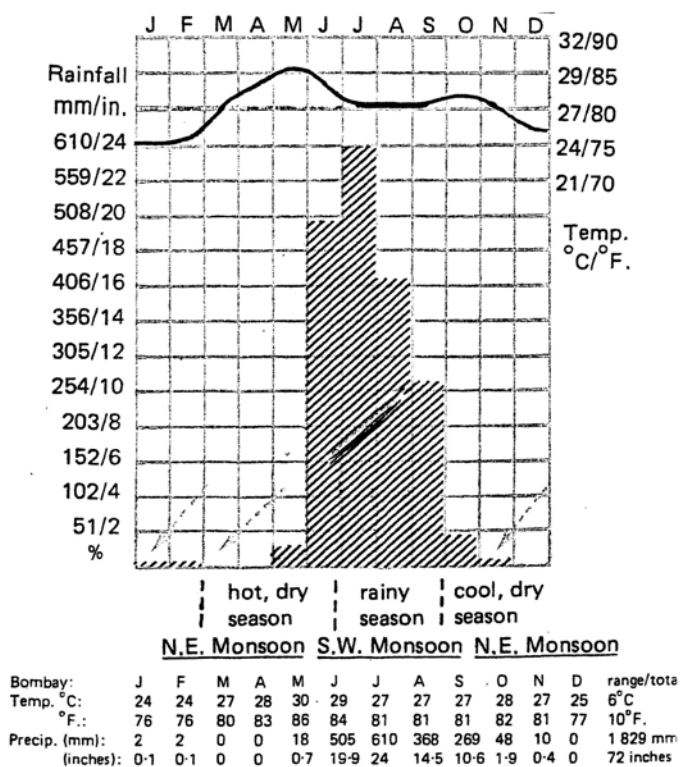
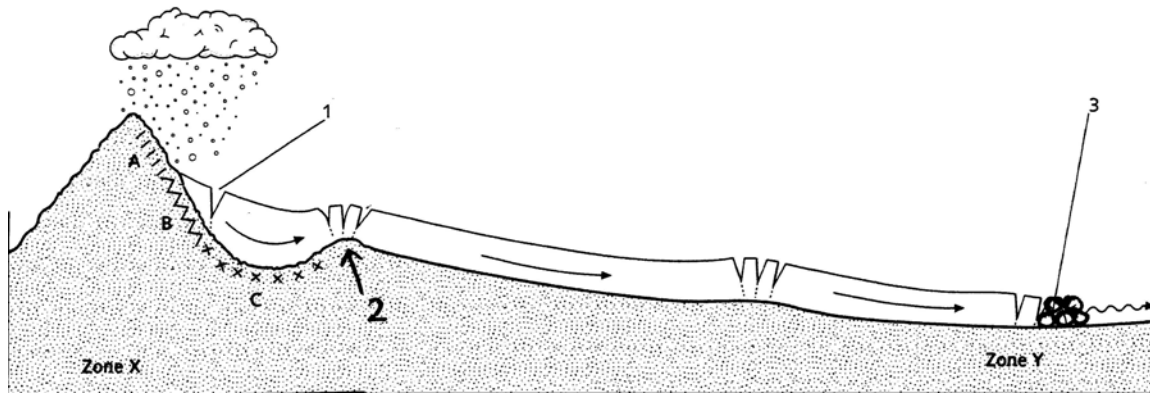


Fig. 16.3
 Tropical Monsoon Climate
 Place: Bombay, India (18° 55' N, 73° E)
 Altitude: 11 m (37 feet)
 Annual precipitation: 1 829 mm (72 inches)
 Annual temperature range: 6°C (30° - 24°C) / 10°F. (86° - 76°F.)

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

- 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)

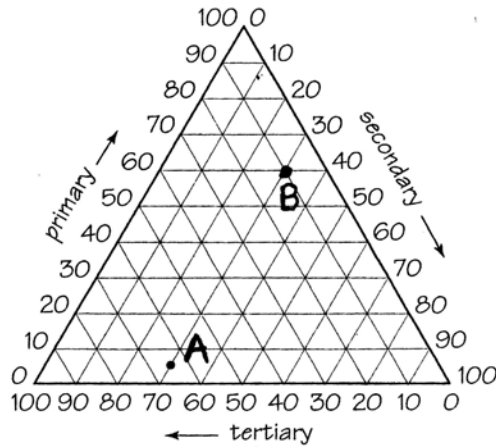
- c. Here are two factors that affect location of industry. Give the reason why each is important for a decision about where to build a factory.

- 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)
- c. 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* _____

Please Enlarge Map

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

