

FORM 5

GEOGRAPHY (Option)

TIME: 1h 45min

Name: _____

Class: _____

Instructions to Candidates

Answer all questions in the space provided. Write your answers neatly and in good English. Credit will be given for relevant illustrations. The marks for individual questions are shown in round brackets: e.g. (4). There are 9 questions in all. The total mark for this paper is 90. The use of blank paper, pieces of string and calculators is allowed.

Examiner's use only

Question No.	1	2	3	4	5	6	7	8	9	Written Exam	Fieldwork Report	Total
Max. Mark	12	8	12	8	12	10	10	10	8	90	10	100
Score												

1. Study figure 1, given on a separate sheet, showing an Ordnance Survey map of part of Malta with a scale of 1:25000 or 4cm = 1 km and then underline the right answer in the brackets:
 - a. The village of Qrendi is to the (north, east, southeast, west) of Siggiewi. (1)
 - b. Kirkop village is in grid square (5366, 5466, 5066, 5668). (1)
 - c. Ras il-Hamrija point is in grid reference (499649, 493646, 545662, 533637). (1)
 - d. The straight line distance between San Niklaw reservoir at 502662 and Luqa reservoir at 534685 is (3.1 km, 4 km, 4.9 km, 5.9 km). (1)
 - e. The distance along the main road between the roundabout at Bir Miftuħ (544679) and the roundabout at Tal-Ghammer Chapel (5516 46) is (7.9 km, 8.1 km, 1.2 km, 4.2 km). (1)
 - f. All along the south coast one finds (sandy shores, quays, cliffs, river estuaries). (1)
 - g. The land in grid square 5467 is very flat because there are no (contours, buildings, fields, roads). (1)
 - h. One historical place or monument shown in the map is (Valletta, Wied Fulija, il-Munqar, Mnajdra). (1)
 - i. Luqa airport is very visible in the map. Another airfield shown in the map is (Hal Far, Ta' Qali, il-Gwejdiġa, Blue Grotto). (1)
 - j. (Horse racing, boating, fishing, quarrying) is carried on in grid square 5267. (1)
 - k. In the blank space below, draw a cross-section along the line from A (492643) to Haġar Qim (497652). Remember that the sea level is marked by the 0 contour. (2)

Cross-Section

2. Look at figure 2 on page 3 showing the world map and then name the following:

a. **major ports** - Choose from: *New York; Singapore; Buenos Aires; Cape Town*

1 _____ 2 _____

3 _____ 4 _____

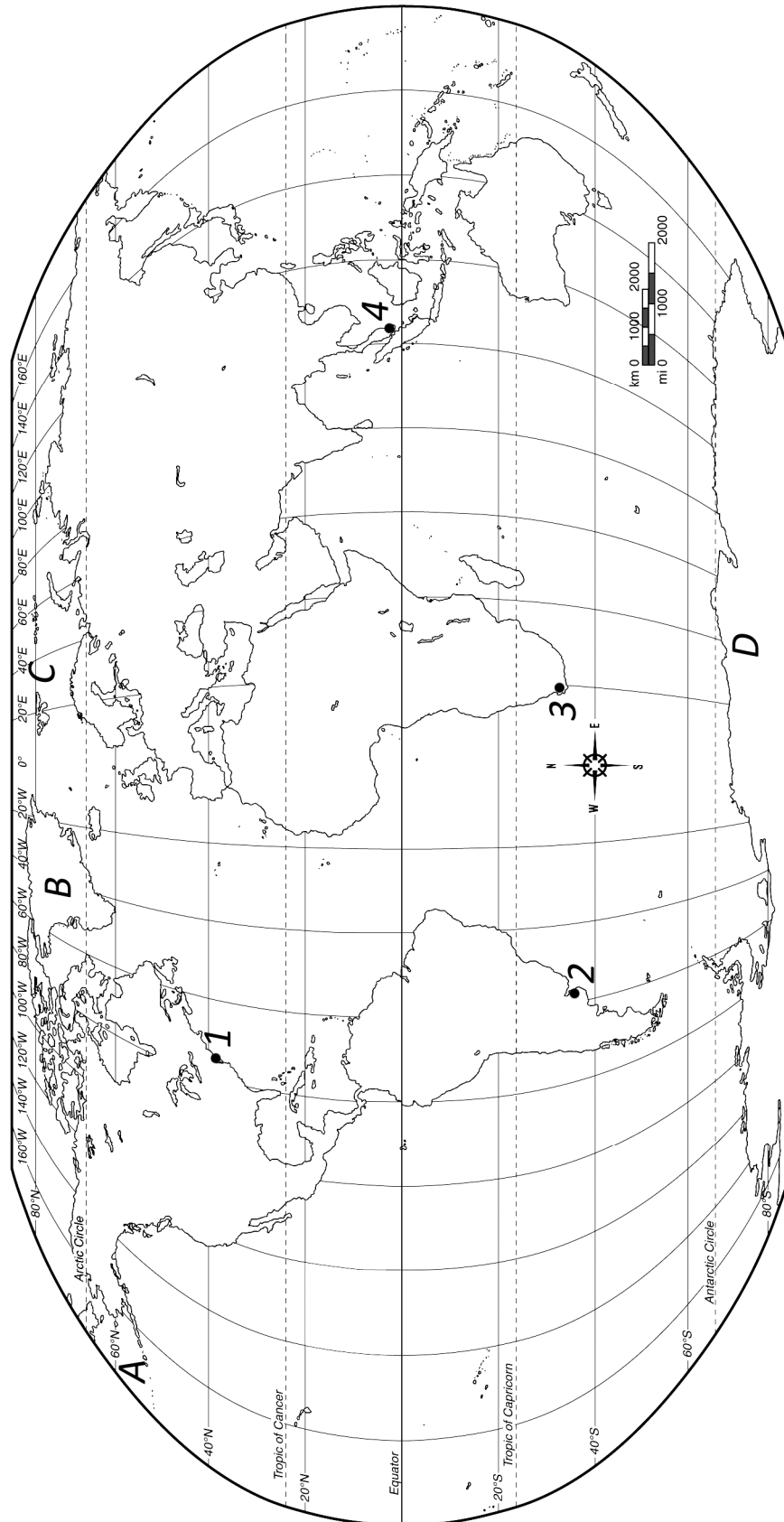
b. **ice covered areas** – Choose from: *Antartica; Spitzbergen; Bering Sea; Greenland*

A _____ B _____

C _____ D _____

(8)

Figure 2 for question 2 - World Map



3. Fill in the blanks in the following paragraph to show the differences between the **Mediterranean Type** of climate and the **Monsoon Type** of climate.

Choose from the following list:

low; May and June; higher; winter; Chile; Convergent; western; India; Asia; months; summer; overhead

The Mediterranean type of climate exists between 30 degrees and 45 degrees latitudes on the side of continents like the Mediterranean Region, California and Central, while the Monsoon type of climate is a tropical climate found mostly in and south-east In the Mediterranean most rain falls in the season, while in the Monsoon lands rain falls mostly in the season. Total annual rainfall is much in the Monsoon areas than in the Mediterranean. The warmest two in the Mediterranean region are July and August, while in the Monsoon lands, the warmest two months are since the sun is and the rains have not yet started. While the dry season of the Mediterranean is caused by anti-cyclone conditions, the extensive rains in the Monsoon are caused by massive pressure area in Central Asia and the northern migration of the Inter-Tropical Zone. (12)

4. Study the diagram figure 3 on page 5 and then answer the following questions by underlining the right answers in the brackets.
- In which month is the position of the Earth in relation to the sun's rays as in the diagram? (January, May, September, December)
 - What is this date or Earth's position called? (northern solstice, southern solstice, equinox, leap year)
 - Which of the poles is having midnight sun? (South Pole, North Pole, Equator)
 - Which of the poles is having 24 hour night? (South Pole, North Pole, Equator)
 - On which tropic is the sun overhead? (Tropic of Capricorn, Northern Tropic, Tropic of Cancer)
 - Would the days in Malta be longer or shorter than the nights? (longer, shorter, equal)
 - Apart from 21 March, when does the equinox also occur? (21 June, 21 September, 21 December, 21 August)
 - How many days does the earth take to travel around the sun? ($200\frac{1}{4}$ days, $360\frac{1}{4}$ days, $365\frac{1}{4}$ days, $1000\frac{1}{4}$ days) (8)

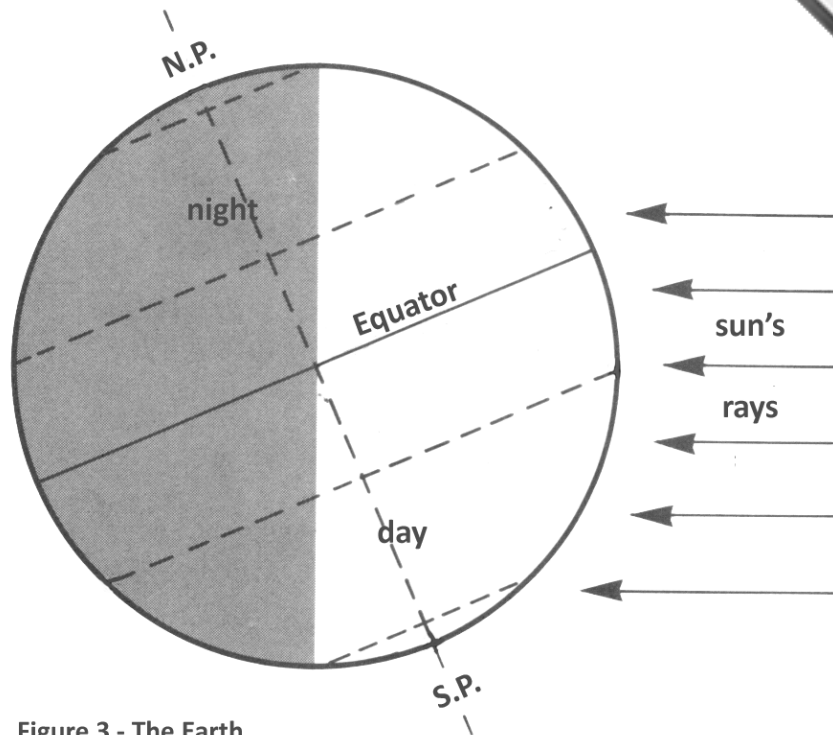


Figure 3 - The Earth

5. Study figure 4 below showing a glaciated upland area and then answer the following questions.

a. Name the landforms of glaciation marked A to F. Choose from the following:

tarn; cirque; pyramidal peak; waterfall; hanging valley; arete

A _____ B _____ C _____
 D _____ E _____ F _____

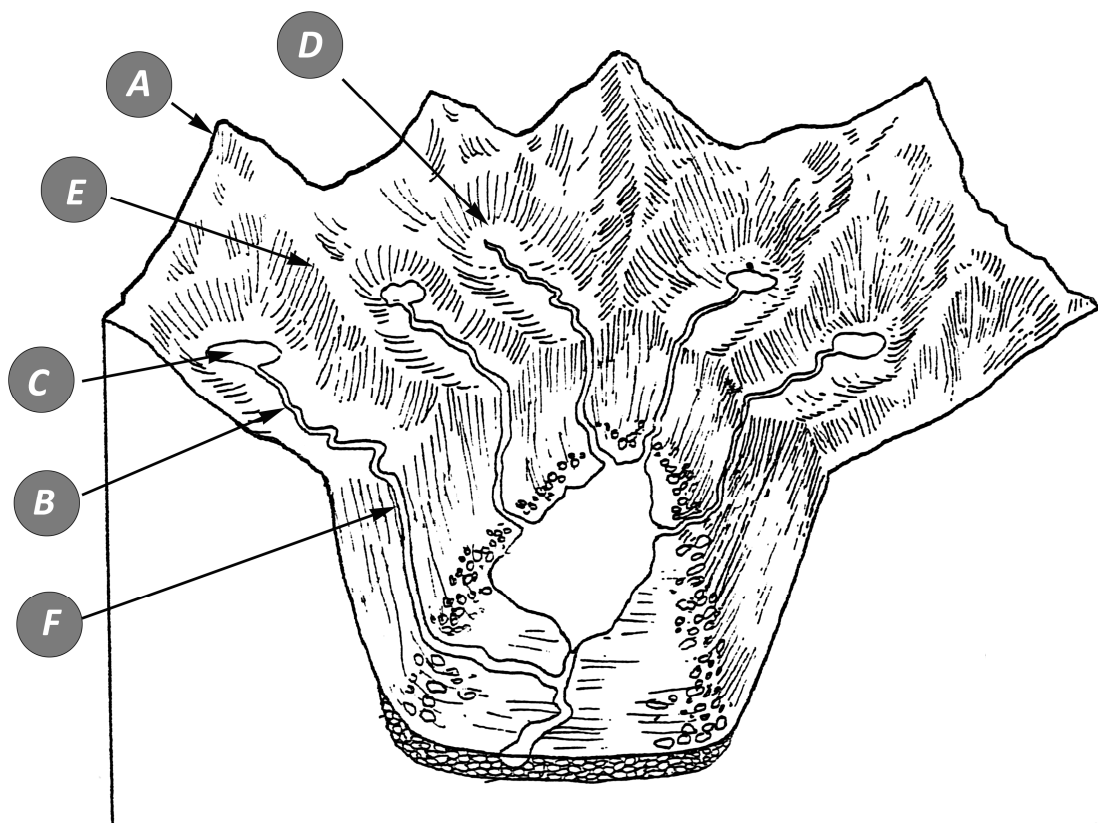


Figure 4 - Glaciated Upland

- b. Explain how plucking contributes to the formation of a cirque (corrie).

(2)

- c. Briefly explain how an arete forms.

(2)

- d. Indicate **two** ways by which glaciated uplands are used by people. These may be farming, industrial, touristic or sporting activities.

(2)

6. a. Here is a list of jobs. Write them down in the table below near the proper type of industry, i.e., primary, secondary, tertiary or quaternary.

Professional footballer; forestry; market research; carpentry; computer programming; oil exploration; textiles and clothing; lawyer; nurse; quarrying; glazier; farming

Type of Industry	Type of Jobs			
<i>primary</i>				
<i>secondary</i>				
<i>tertiary</i>				
<i>quaternary</i>				

(6)

- b. Match the following types of industry with the following descriptions:

services; manufacturing; high technology; extractive

- i. primary _____
- ii. secondary _____
- iii. tertiary _____
- iv. quaternary _____

(4)

7. a. What does N.I.C. mean? _____ (1)
- b. Mention 2 N.I.Cs in Asia. Choose from: *South Korea; Iraq; New Zealand; Singapore*

_____ (2)
- c. What does the Pacific Rim mean?

_____ (1)
- d. Mention one Asian N.I.C. of the Pacific Rim. Choose from: *India; Taiwan; Japan; Zambia*
_____ (1)
- e. Give one reason for the rapid economic growth of Asian N.I.Cs.

_____ (2)
- f. Which Asian country was the first to industrialise about 1900?
_____ (2)
8. Define the following terms:
- a. **ecosystem**

_____ (3)
- b. **food chain**

_____ (3)
- c. **litter**

_____ (2)
- d. **biomass**

_____ (2)

9. a. Give **two** reasons why the tropical rainforest of Brazil is being cleared.

(4)

- b. What effects can forest clearance have on species?

(2)

- c. What is the effect of deforestation in the Amazon basin on soils?

(2)

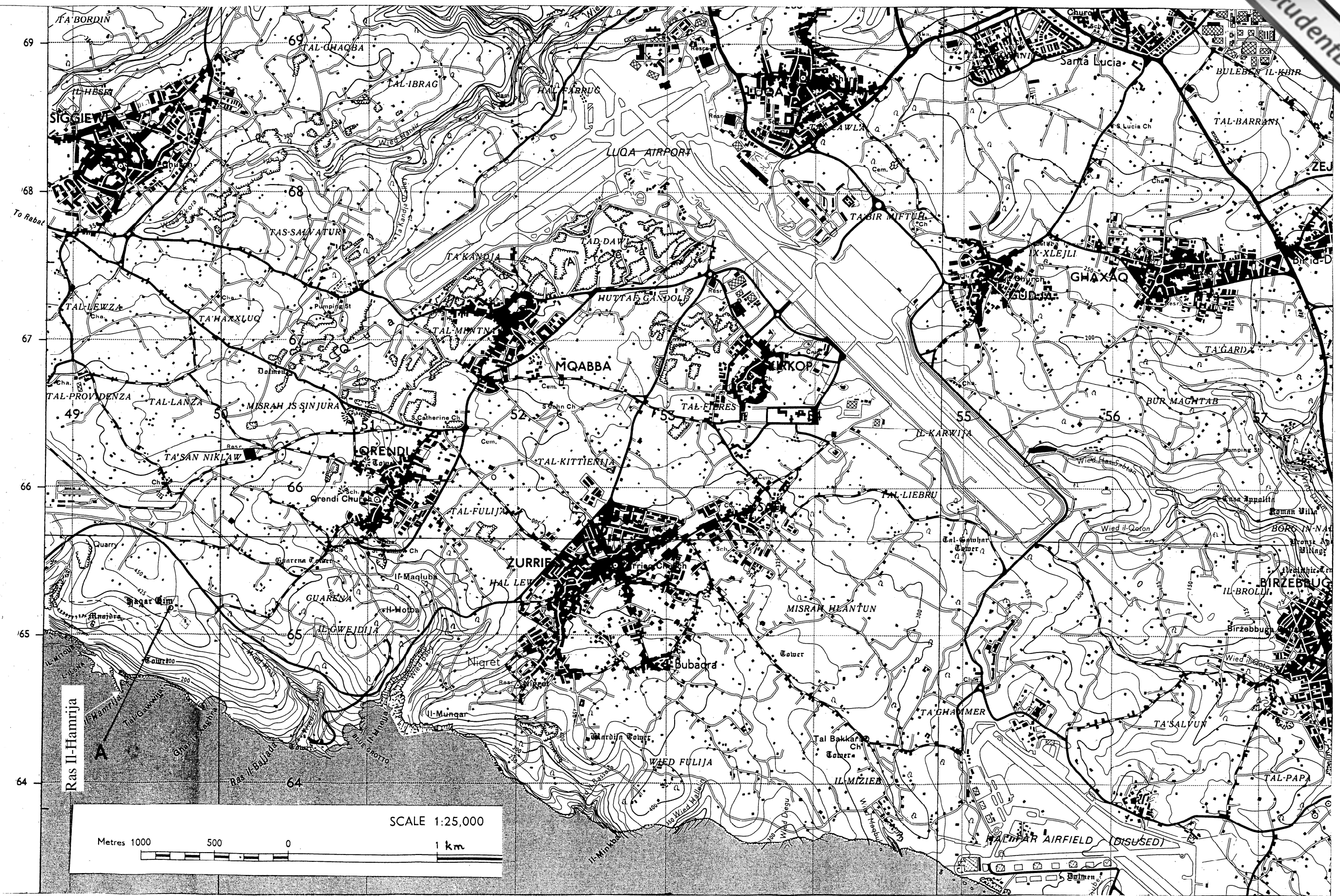


Figure 1 for Question 1 -
MALTA EAST 1:25000 O.S. map extract