### 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.

### For the Examiner’s use only

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1. Study carefully Figure 1 – *(Map of Western Gozo)* and then answer the following questions. The scale of the map is 1:25000 or 4cm:1km.
   a. What compass direction is Ġordan Hill (298925) from ta’ Ghammar Hill (298910)? (1)
   b. Give the 4-figure grid square reference of the area called Ta’ Sarraflu, near Santa Luċija. (1)
   c. Give the 6-figure grid reference of Knisja ta’ Pinu near Gharb. (1)
   d. What does the symbol at 298925 tell us about the building on Ġordan Hill? (1)
   e. The area of the map is sparsely built up and most of it is white in colour. What would you say is the main economic activity in the area? (1)
   f. What other primary industry is shown by the symbols in grid squares 2790, 2789, 2788, 2889 and 2888? (1)
   g. How would you describe the coast in this part of Gozo according to the map? (1)
Figure 2 for question 2

WORLD MAP
h. What is the straight line distance in kilometres or metres from Il-Ponta tad-Dwejra (269904) to Il-Ponta tal-Wardija (267885)? ____________________ (1)

i. What is the distance between the two same points along the coast? ________________ (1)

j. Mention one valley shown on the map. ______________________ (1)

k. Ta’ Dbieği (292902) and Ta’ Ghammar (298910) are the two highest hills in Gozo. In the space provided draw a cross-section along the line A-B joining the two hills. In the cross-section, show the position of the main road. Remember that contour intervals are every 10 metres height. (2)

2. Look at Figure 2 WORLD MAP on page 2 and then name the following:

   Major biomes – A ________________ B ________________
   C ________________ D ________________

   Major ports – 1 ________________ 2 ________________
   3 ________________ 4 ________________

   (8)
3. Study Figure 3 – A Tropical Rainforest below and then answer the questions.

**Figure 3 – A Tropical Rainforest**

![Diagram of a Tropical Rainforest]

a. How high are the tallest trees? _______________  

(1)

b. What is the correct name for the parts of the forest shown at A and B?  
   A ____________________  
   B ____________________  

(2)

c. Explain two ways the rainforest is adapted to the hot, wet tropical climate:  
   i. ____________________________________________________________________________  
   ____________________________________________________________________________  
   (2)

   ii. ____________________________________________________________________________  
   ____________________________________________________________________________  
   (2)

d. List three causes of deforestation in the Tropical Rainforest.  
   ____________________________________________________________________________  
   ____________________________________________________________________________  
   ____________________________________________________________________________  
   (3)

e. Mention two large areas of tropical rainforest.  
   ____________________________________________________________________________  
   (2)
4. Study Figure 4 – **Diagram of the Earth** hereunder with lines of day and night and then answer the questions.

Figure 4 – **Diagram of the Earth**

- ![Diagram of the Earth](image)

a. What is line N – S called? _________________________

b. What is the horizontal line halfway between the North and South Pole called? _______________

c. By how many degrees is the tilt of the Earth’s axis? _______________

d. What special parallel lines of latitude are located at this angle? _____________________

e. In which month is the Earth in this position in relation to the sun? _______________

f. When the Earth is in this position, are the days in Malta longer or shorter than the nights? __________

g. According to the diagram in Figure 4, what is the length of the day at the South Pole? _______________

h. Why is this so? ________________________________________________
5. Look carefully at Figure 5 – **Some glacial features in the Lake District, UK**, and then answer the questions.

**Figure 5 - Some glacial features in the Lake District, UK**

![Diagram of glacial features](image)

a. Mention the features marked A to E in the diagram.
   
   A ____________________  B ____________________  C ____________________
   
   D ____________________  E ____________________  (5)

b. How does **abrasion** cause glacial erosion?

   ______________________________________________________________________
   ______________________________________________________________________  (2)

c. How is an **arête** formed?

   ______________________________________________________________________
   ______________________________________________________________________  (2)

d. What sort of material is a **moraine** made of?

   ______________________________________________________________________
   ______________________________________________________________________  (2)

e. Mention one type of moraine.

   ___________________________________________  (1)
6. Complete the table below to show the differences between **formal** and **informal** industries.

<table>
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<tr>
<th>Features</th>
<th>Formal sector</th>
<th>Informal sector</th>
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<td>Quality of goods</td>
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<tr>
<td>Materials used</td>
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(10)

7a. What does the term **globalisation** mean? ____________________________________________________________ (2)

b. What does the term **transnational corporations** (or **multinational companies**) mean?
   ____________________________________________________________________________ (2)

c. Give **two** reasons why car manufacturers find it beneficial to locate in different parts of the world.
   ____________________________________________________________________________ (2)

d. Give **two** advantages and **two** disadvantages of having transnational corporations in a developing country.
   advantages ________________________________________________________________________
   ______________________________________________________________________________
   disadvantages _________________________________________________________________
   ______________________________________________________________________________ (4)

8a. Define the following terms:

   A. **ecosystem** _________________________________________________________________
   ______________________________________________________________________________

   B. **nutrients** _________________________________________________________________
   ______________________________________________________________________________
C. photosynthesis

D. decomposers

b. Here are five stages in the process of nutrient recycling in a forest. Write numbers 1 to 5 near each stage according to the proper order. The first stage is shown for you.

Leaves die and fall to the forest floor. 

Nutrients are added to soil as leaves decompose. 

Trees use nutrients to grow and produce leaves. 

Food is absorbed by tree roots. 

Fungi and bacteria break down leaves. 

9. How have the following three practices led to deforestation in the Amazon rainforest?

a. Subsistence farming 

b. Cattle ranching 

c. Logging companies