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 7 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

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1. Study carefully Figure 1 – Malta East extract on a loose sheet and then answer the following questions. The scale of the map is 1:25000 or 4cm:1km.

a. What compass direction from Attard school (497723) is Balzan church (505730)?

__________________________________________  (1)

b. In which grid square (4-figure reference) are S. Anton Palace and Gardens?

__________________________________________  (1)

c. What is the 6-figure grid reference of Tal-Hlas chapel?

__________________________________________  (1)

d. What is the straight line distance in metres from Żebbuġ church (497700) to Ta’ Srina roundabout? (494708)

__________________________________________  (1)

e. What is the distance in kilometres along the road between Ta’ Srina roundabout at 494708 and Attard school at 496722?

__________________________________________  (2)
f. Judging by the shape of the contour lines, does the watercourse at Wied is-Sewda in grid squares 4971, 5071 and 5171 flow towards west, east or south?

________________________________  

(1)

g. What would you say is the major industry or occupation in the following grid squares?

4971  ________________________________  

5071  ________________________________  

(2)

h. One can notice many types of street and building patterns in the towns of this map. What types can be seen in the following areas? Choose from:

winding and narrow streets, villas, grid patterns

i. west part of grid square 5173  ________________________________  
   
ii. east part of grid square 5173  ________________________________  
   
iii. west part of grid square 4972  ________________________________  

(3)

2. Look at Figure 2 on page 3, showing a World Map, and then name the following:

a. major winter ice-caps

   A ________________________________  B ________________________________
   C ________________________________  D ________________________________  

(4)

b. major ports

   1 ________________________________  2 ________________________________
   3 ________________________________  4 ________________________________  

(4)
Figure 2 for Question 2

WORLD MAP
3. Complete this paragraph by filling in the blanks. Choose the correct 12 terms (from 15) in the following list:

**rainforest, seasonal, doldrums, Mediterranean, afternoons, high, Equator, luxuriant, anticyclone, uniform, humidity, light, convectional, Savanna, Amazon**

The Equatorial Type of Climate

Places with an equatorial climate lie within 5º either side of the ___________. The main areas are the large drainage basins of the ____________ (South America) and Congo (Africa) rivers. Temperatures are ____________ throughout the year. Equatorial areas have annual rainfall totals over 2000 mm, due to ____________ thunderstorms which occur during most ____________ throughout the year. Winds are generally ____________. Over the equatorial oceans there are areas of calm, called the ____________. Equatorial climate is characterised by its high ____________, a lack of ____________ change, and a daily weather pattern that remains very ____________ throughout the year. The typical biome of this area is the tropical ____________ which has the most ____________ vegetation system in the world.

(12)

4. Study carefully Figure 3 below, entitled *Longitudes and Latitudes*, and then answer the questions.

![Figure 3 – Longitudes and Latitudes](image-url)
a. Name the lines of latitude marked:
   A ___________________________
   B ___________________________
   C ___________________________

b. Name the line of longitude D. ___________________________

c. Name the place E. ___________________________

d. What are the lines such as 90° E called? ___________________________

e. What is another name for 180° longitude approximately? ___________________________

f. Which is the longest line of latitude? ___________________________

g. Apart from showing the position of a place, what are lines of longitude used for?
   __________________________________________________________________________
   __________________________________________________________________________

h. Which line of latitude has equal days and nights throughout the year?
   __________________________________________________________________________

(10)

5. a. Complete the diagram in Figure 4 below, by filling in the blanks, to show a glacier system.

   Figure 4 – A Glacier System
b. Describe the two main processes of glacial erosion.
   i. ______________________________________________________________
      ______________________________________________________________
      ______________________________________________________________
      ______________________________________________________________

   ii. ______________________________________________________________
      ______________________________________________________________
      ______________________________________________________________
      ______________________________________________________________
      ______________________________________________________________
      ______________________________________________________________

(4)

6. Answer the following questions.
   a. Define the term transnational corporation.
      ______________________________________________________________
      ______________________________________________________________

(2)

b. Give another name for transnational corporation.
      ______________________________________________________________

(2)

c. Give two types of industry or economic activities that have many transnational corporations.
      ______________________________________________________________

(2)

d. Give the names of two such transnational corporations or companies.
      ______________________________________________________________

(2)
e. Give **two** advantages of having transnational corporations in one’s own country.

_________________________________________________________________________
_________________________________________________________________________
_________________________________________________________________________

(4)

f. Give **two** disadvantages of having transnational corporations in one’s own country.

_________________________________________________________________________
_________________________________________________________________________
_________________________________________________________________________

(4)

g. Give **one** reason why a car manufacturer may choose to become a transnational corporation and operate in many countries.

_________________________________________________________________________
_________________________________________________________________________
_________________________________________________________________________

(2)

h. What is meant by a **Newly Industrialising Country**?

_________________________________________________________________________
_________________________________________________________________________
_________________________________________________________________________

(2)

7. Study the diagram of *A Food Web* in Figure 5 on page 8.

a. Complete the following paragraph, using the words provided.

    *photosynthesis, organisms, food, sunlight, chemicals, food chain*

    Ecosystems obtain their energy from _______________. Green plants trap solar energy and use it to convert simple _______________ into _______________. This process is called _______________. The energy then flows along the _______________ by passing through the _______________ which live within the ecosystem. (6)
b. What is a **herbivore**?

________________________________________________________________________

________________________________________________________________________ (2)

c. From the diagram, name **two** herbivores.

________________________________________________________________________

________________________________________________________________________ (2)

d. What is a **carnivore**?

________________________________________________________________________

________________________________________________________________________ (2)

e. From the diagram, name **two** carnivores.

________________________________________________________________________

________________________________________________________________________ (2)
f. In any food chain, top consumers are often referred to as **predators**. Explain what this means.

_________________________________________________________________________
_________________________________________________________________________
_________________________________________________________________________
_________________________________________________________________________(2)

g. Give one example of a **decomposer**.

______________________________

(1)

h. Describe the part played by decomposers in a food chain.

_________________________________________________________________________
_________________________________________________________________________
_________________________________________________________________________
_________________________________________________________________________(1)
Figure 1 for Question 1
MALTA EAST (map extract)

Scale 1:25000 or 4 cm : 1 km