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

<table>
<thead>
<tr>
<th>Question No.</th>
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<th>Written Exam</th>
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<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max. Mark</td>
<td>12</td>
<td>8</td>
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<td>12</td>
<td>10</td>
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<td>8</td>
<td>90</td>
<td>10</td>
<td>100</td>
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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 Siġġiewi. (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 Miftuh (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-Ġwejdia, 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)
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: Antarctica; Spitzbergen; Bering Sea; Greenland

   A _________________  B _________________

   C _________________  D _________________

(8)
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.

a. In which month is the positon of the Earth in relation to the sun’s rays as in the diagram? 
   (January, May, September, December)

b. What is this date or Earth’s position called? (northern solstice, southern solstice, equinox, 
   leap year)

c. Which of the poles is having midnight sun? (South Pole, North Pole, Equator)

d. Which of the poles is having 24 hour night? (South Pole, North Pole, Equator)

e. On which tropic is the sun overhead? (Tropic of Capricorn, Northern Tropic, Tropic of 
   Cancer)

f. Would the days in Malta be longer or shorter than the nights? (longer, shorter, equal)

g. Apart from 21 March, when does the equinox also occur? (21 June, 21 September, 
   21 December, 21 August)

h. How many days does the earth take to travel around the sun? (200¼ days, 360¼ days, 
   365¼ days, 1000¼ days) (8)
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 __________________________
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

<table>
<thead>
<tr>
<th>Type of Industry</th>
<th>Type of Jobs</th>
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<tbody>
<tr>
<td>primary</td>
<td></td>
</tr>
<tr>
<td>secondary</td>
<td></td>
</tr>
<tr>
<td>tertiary</td>
<td></td>
</tr>
<tr>
<td>quaternary</td>
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</table>

(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? _____________________________________________ (2)
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)