

Annual Examinations for Secondary Schools 2022

YEAR 9	Geography (Option)	TIME: 1h 30 min
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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	10	10	10	10	10	8	90	10	100
Score												

Question 1

Study carefully the map extract of Durlston in figure 1, on page 2, and then work out the given exercise.

- a. In which grid square is Durlston Country Park? _____ (1)
- b. Give the six figure grid reference of:
- i. South Barn marked with letter A - _____
- ii. California Farm marked with letter B - _____ (2)
- c. At what height is the trigonometrical station in grid square 0177 marked with the letter E found? _____ (1)
- d. Give the compass direction from Putlake Farm to Anvil point.

(1)

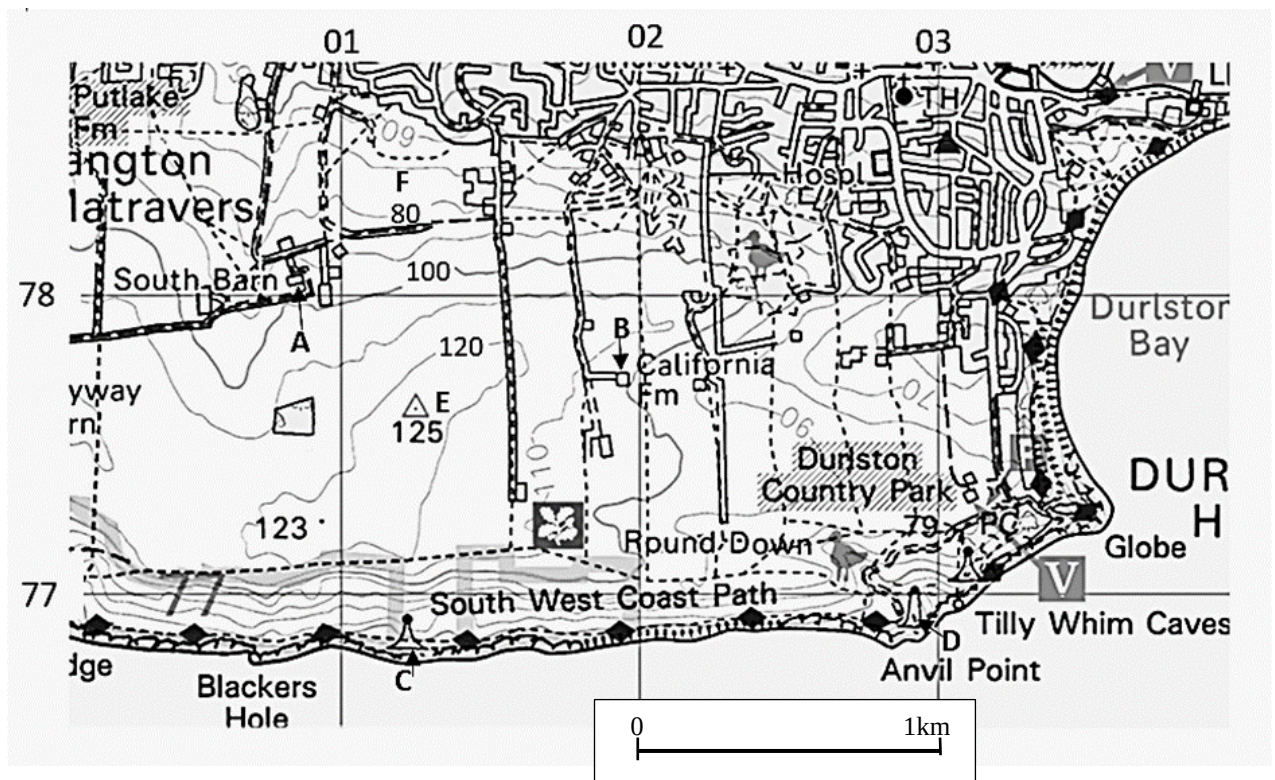


Figure 1

- e. The scale of the map is 1:25000 (1cm represents 250m). Calculate the distance along the South West Coast Path from the beacon marked with letter C to the lighthouse marked with letter D. Show all your working.

(3)

- f. Mention **one** coastal erosion feature that can be seen on the map.

(2)

- g. If you are walking from the trigonometrical station marked with letter E, north to point F, will you be going uphill or downhill?

(2)

Question 2

- a. In the table below, four energy resource rich countries are numbered 1 to 4. Write the name of each country.

Energy Resource Rich Countries	Number on map
	1
	2
	3
	4

(4)



Figure 2

- b. In the table below four important tourist destinations are marked by the letters A to D. Write the letter of each destination in the correct circle in figure 2.

Letter on Map	Tourist Destination
A	South Africa
B	Spain
C	Kenya
D	Caribbean Islands

(4)

Question 3

The graph below, figure 3, shows a temperature and precipitation (rainfall) graph.

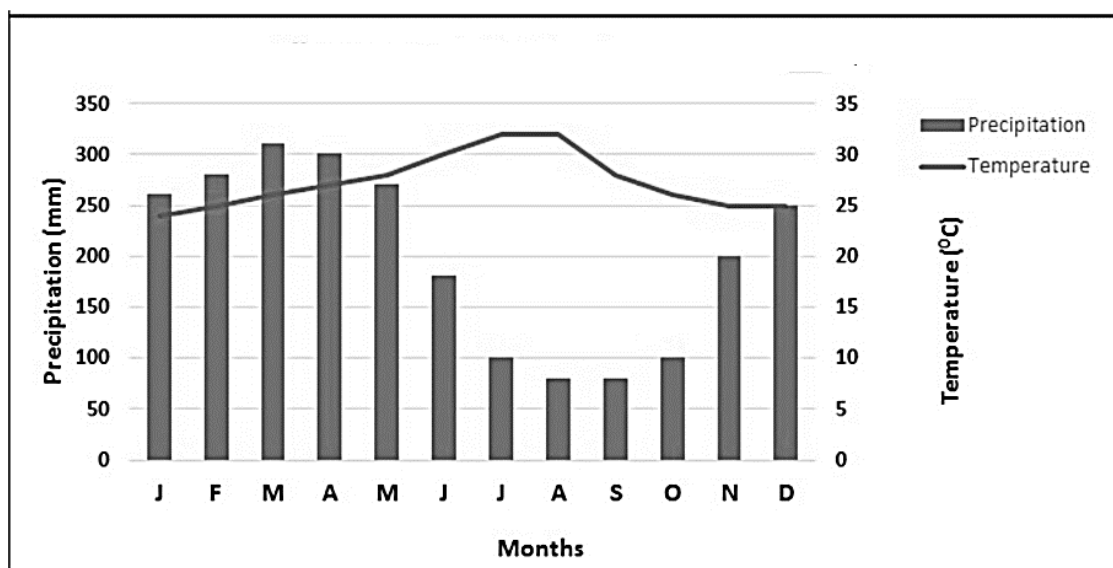


Figure 3

a. Use the data from the graph to complete the table below:

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Temperature (°C)		25	26	27	27		32	32	28	27	25	
Precipitation (mm)	260	280	310		265	180	100		80	100	200	250

(5)

b. Calculate the mean annual temperature. Show all your working.

(2)

c. Which weather instrument is used to measure:

i. Temperature: _____

ii. Rain: _____

(2)

d. Do you think this temperature and rainfall graph is of the Maltese islands? Why?

(3)

Question 4

- a. Explain how headlands and bays are formed.

(3)

- b. Draw a labelled diagram/s to show how headlands and bays are formed.



(3)

- c. State whether the following terms are associated with coastal erosion, transportation or deposition. The first one is done for you as an example.

Term	Coastal Erosion/Transportation/Deposition
Cave	Coastal Erosion
Longshore drift	
Beach	
Arch	
Spit	

(4)

Question 5

Figure 4 shows a sketch of the five layers of the Maltese rocks.

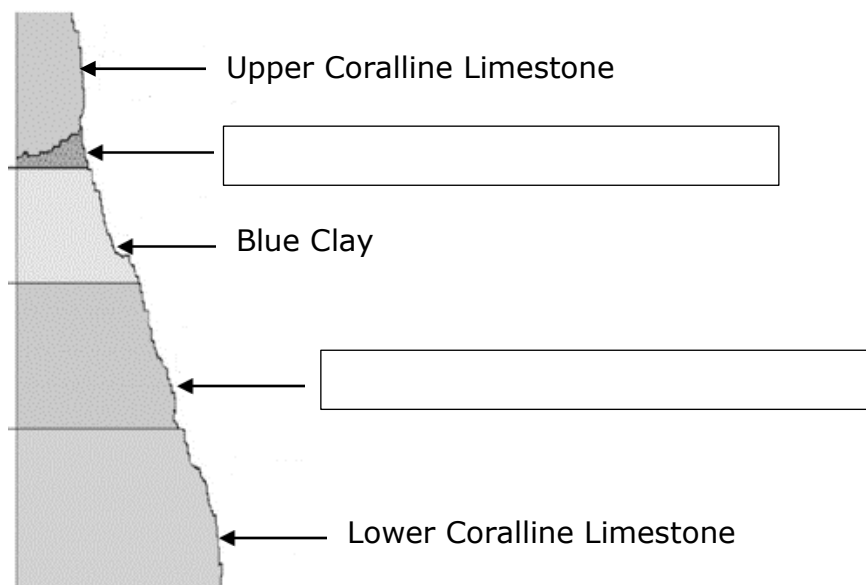


Figure 4

a. Complete figure 4 with the names of the missing layers of rock.

(2)

b. Briefly describe how the Maltese rocks were formed.

(3)

c. Which layer of rock can be best described as:

i. grainy, orange coloured rock – _____

ii. the oldest and hardest layer of rock – _____

iii. an impermeable layer of rock where water accumulates –

iv. the most common layer found on the surface of the Maltese Islands –

v. the one that forms barren rock surfaces full of hollows and cracks –

(5)

Question 6

- a. Briefly explain **one** factor affecting the development of early settlements.

(2)

- b. Figure 5 below shows three different settlement shapes. Write the name of the settlement shape on figure 5.

(3)

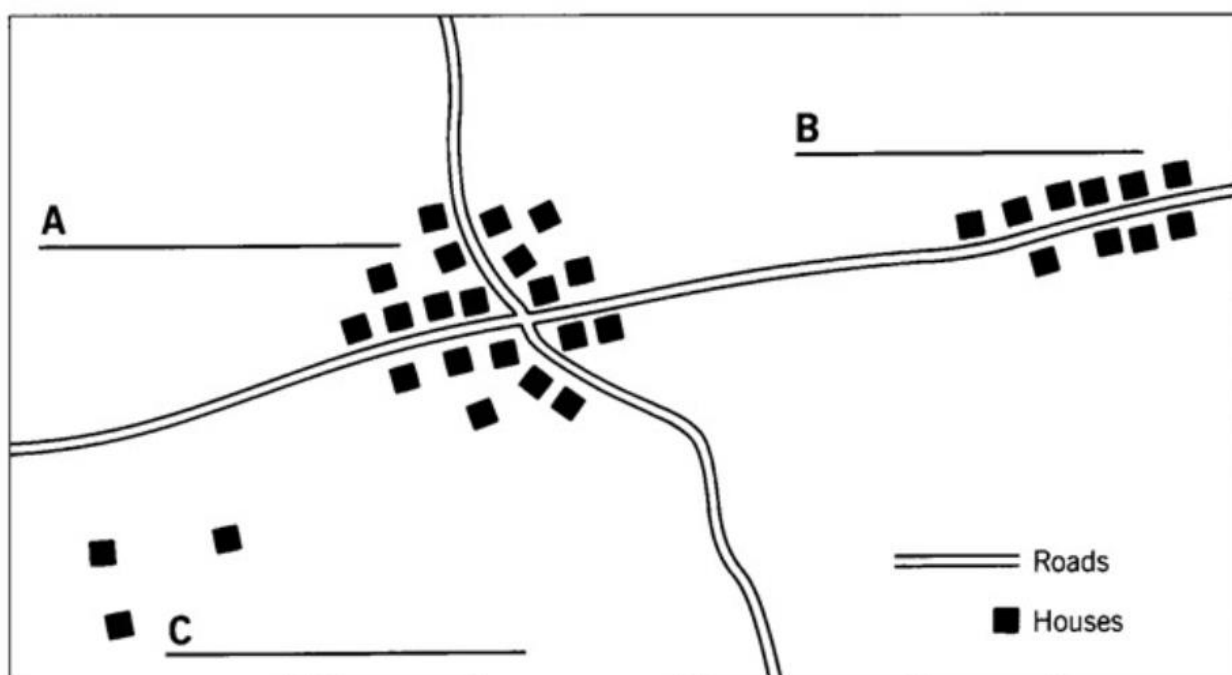


Figure 5

- c. Many cities grow through the process of urbanisation.

- i. What is urbanisation?

(2)

- ii. Give **three** reasons why urbanisation is happening.

(3)

Question 7

Figure 6 shows the world population growth including United Nations projections.

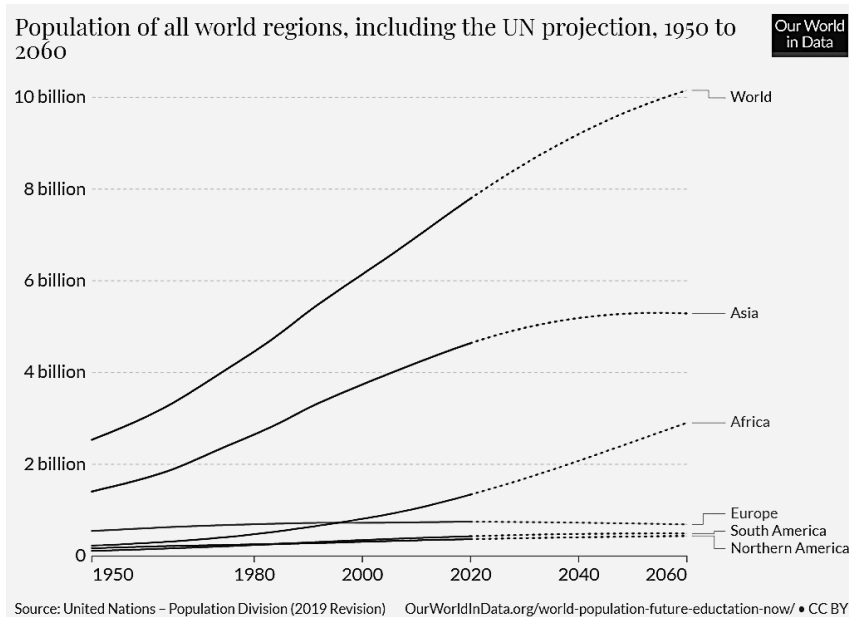


Figure 6

- a. Using figure 6, has the world population been increasing or decreasing between 1950 and 2020?

_____ (1)

- b. Which continent has experienced the fastest population growth between 1950 and 2020?

_____ (1)

- c. World population growth depends on **birth rate** and **death rate**. Briefly explain these terms.

_____ (4)

- d. The world population is not evenly distributed. What does this mean?

_____ (2)

- e. Give **one** physical factor and **one** human factor that affects the distribution of population.

_____ (2)

Question 8

- a. Name **one** type of fossil fuel.

(1)

- b. Name **two** sources of renewable energy.

(2)

- c. Name **one** source of energy that is commonly used in rural areas of LEDCs especially in Africa and Asia.

(1)

- d. Give **one** reason why the demand for world's resources is increasing.

(2)

- e. Give **two** advantages of using renewable sources of energy instead of non-renewable sources.

(4)

Question 9

- a. Which are the **two** main causes of acid rain?

(2)

- b. Mention **two** effects of acid rain on the natural environment.

(4)

- c. Mention **one** way by which countries can reduce the problem of acid rain.

(2)

_____ END OF PAPER _____