

**Annual Examinations for Secondary Schools 2019**

**YEAR 9** **Geography (Option)** **TIME: 1h 30 min**

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 of Anglesey in Figure 1, on page 2, and then work out the given exercise.

- a. Which coastal landform is found in each of the following grid squares? Choose your answer from the table below:

Bay	Cliffs	Headland
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3594 - \_\_\_\_\_

4094 - \_\_\_\_\_

3995 - \_\_\_\_\_

(3)

b. What would you find at each of these grid references?

359 925 - \_\_\_\_\_

369913 - \_\_\_\_\_

(2)

c. Give the six-figure grid reference of:

Camping site - \_\_\_\_\_

Windmill - \_\_\_\_\_

(2)



Figure 1

d. In grid squares 3792 and 3892 there are many wind turbines. Why do you think these wind turbines were located here?

\_\_\_\_\_

\_\_\_\_\_

(2)

e. Name an evidence from the map that shows:

an agricultural activity - \_\_\_\_\_

a historical site - \_\_\_\_\_

a recreation site - \_\_\_\_\_

(3)

**Question 2**

a. In the table below four oceans are numbered 1 to 4. Write the corresponding number of the oceans from the given table in the circles on figure 2.

Oceans	Number
Pacific	1
Atlantic	2
Indian	3
Southern	4

(4)

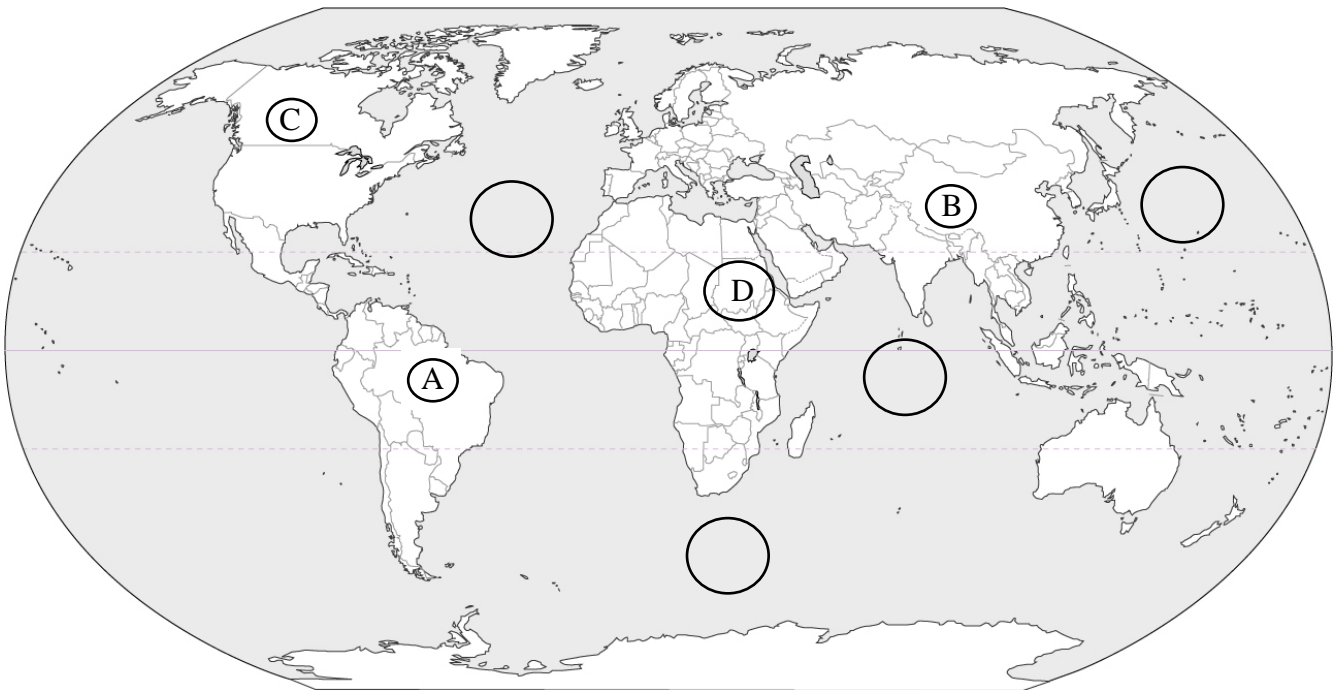


Figure 2

b. Name the countries marked by the letters A to D.

Country A - \_\_\_\_\_

Country B - \_\_\_\_\_

Country C - \_\_\_\_\_

Country D - \_\_\_\_\_

(4)

**Question 3**

The graph below, figure 3, shows the temperature graph of Quetta in Pakistan.

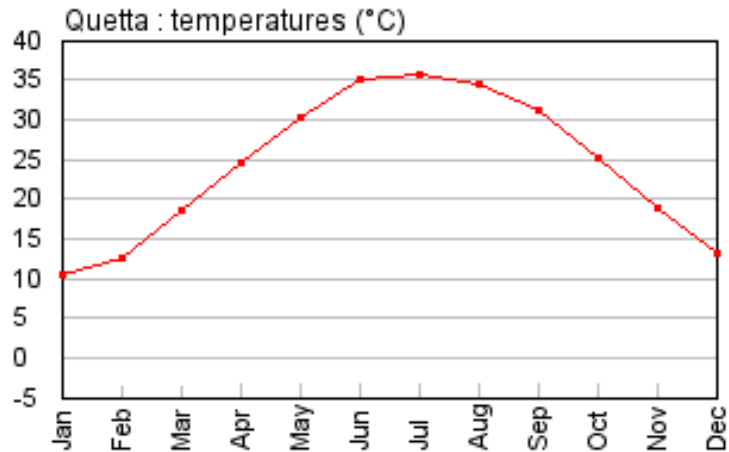


Figure 3

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

Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
	13	18		30		36	34	31		18	14

(4)

b. Calculate the mean annual temperature in Quetta, Pakistan. Show your working.

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(2)

The graph below, figure 4, shows the rainfall graph of Quetta in Pakistan.

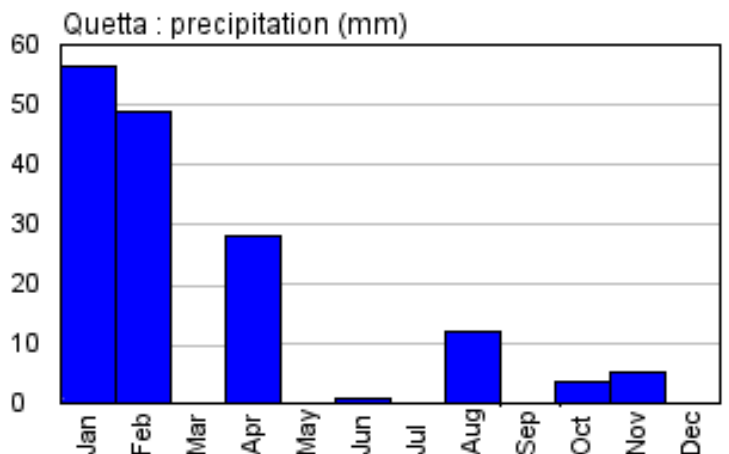


Figure 4

c. Use the information in the table below to draw the **four** missing months on the graph (Figure 4)

Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
55	48	54	28	5	2	10	12	0	4	5	30

(4)

d. Calculate the total amount of rainfall in a year in Quetta, Pakistan.

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(2)

### Question 4

Weathering is the breaking down of rocks, by the action of rainwater, extremes of temperature and biological activity. Look at the diagram below and answer the following questions.

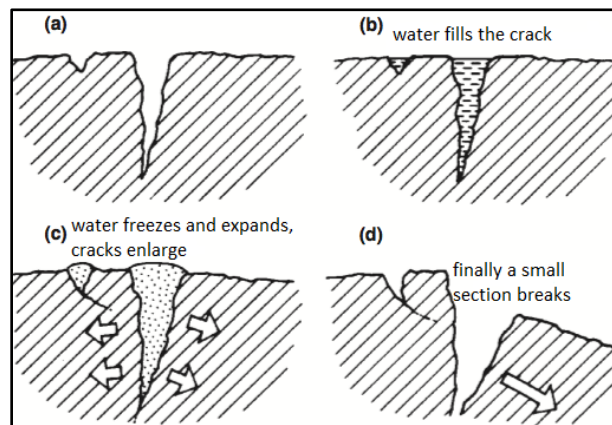


Figure 5

a. What type of weathering is shown in figure 5?

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(2)

b. What type of weathering would you expect to find in the following places?

i. A rainforest - \_\_\_\_\_

ii. A hot desert - \_\_\_\_\_

iii. A mountain area in the Alps - \_\_\_\_\_

iv. A polluted city - \_\_\_\_\_

(4)

- c. While walking around a city you took the pictures below. Choose either figure 6 or 7 and
- name the type of weathering shown
  - explain the weathering process shown.



- Figure \_\_\_\_\_ shows \_\_\_\_\_ weathering.
- Explanation of the weathering process: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

(4)

**Question 5**

- Waves can erode the coastline by different processes such as abrasion (corrasion), attrition, hydraulic action and solution (corrosion). Choose **one** of these processes and explain how it works.

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

(2)

- Figure 8 shows the process by which the sea transports sediment along the coast.

What is this process called? \_\_\_\_\_

(2)

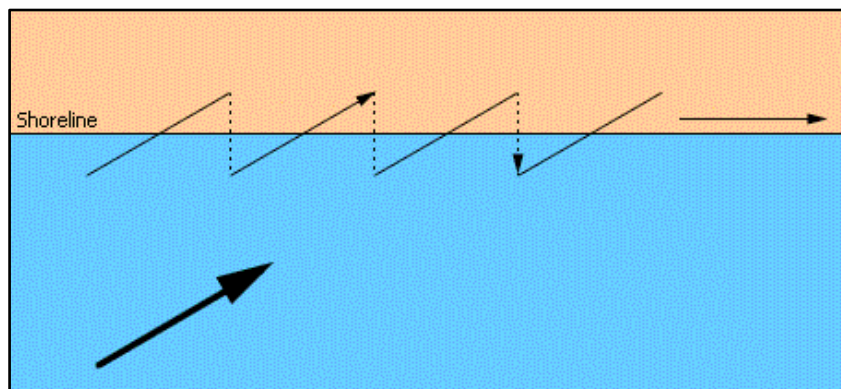


Figure 8

c. Use the words below to label the diagram:

Swash	Sea	Land
Direction of prevailing wind	Direction of longshore drift	Backwash

(6)

**Question 6**

The table below shows the population and area of two countries.

Country	Population	Area (km <sup>2</sup> )	Population Density
Canada	36,4000,000	9,071,595	
Kenya	47,600,000	569,293	

a. Calculate the population density of each country.

(2)

b. Which of these countries is the most:

densely populated? \_\_\_\_\_

sparsely populated? \_\_\_\_\_

(4)

c. Mention **two** natural factors that affect the distribution of population.

\_\_\_\_\_

\_\_\_\_\_

(2)

d. Mention **two** human factors that affect the distribution of population.

\_\_\_\_\_

\_\_\_\_\_

(2)

**Question 7**

Urbanisation is mostly caused by rural to urban migration.

a. What is urbanisation?

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(2)

Rural to urban migration is caused by push and pull factors as shown in figure 9.



Figure 9

b. List **two** urban pull factors

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(2)

c. List **two** rural push factors

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(2)

Illegal migration in the Mediterranean region is one of the most popular topic discussed at an international level.

d. Mention **two** causes leading to illegal migration in the Mediterranean region.

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(2)

e. Mention **two** effects of this migration on the receiving country.

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(2)



### Question 8

The energy resources shown in figure 10 are non-renewable resources.

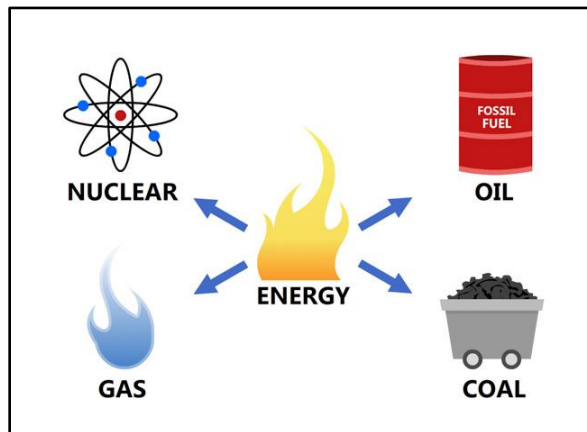


Figure 10

a. What are non-renewable resources?

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(2)

b. Which energy resource shown in figure 10 is not a fossil fuel?

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(2)

c. Choose any **one** of the resources above and write **two** disadvantages of using that type of energy.

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(2)

d. Give **two** reasons why the demand for natural resources is increasing.

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(2)

Figure 11 below shows the Aswan Dam in Egypt. It is a source of hydro-electric power (HEP) which is a renewable source of energy.



Figure 11

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

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(2)

### Question 9

As a geography option student, you were asked by your teacher to write an article to raise awareness about global warming. Your article should include:

- The meaning of global warming.
- The main causes of global warming.
- The effects of global warming.
- What you as a teenager can do to help reduce greenhouse gas emissions.

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(8)