

1 Study the map extract for Blessington (Baile Coimín), Ireland. The scale is 1 : 50 000.

(a) Fig. 1.1 shows some of the features in the north-east of the map extract.

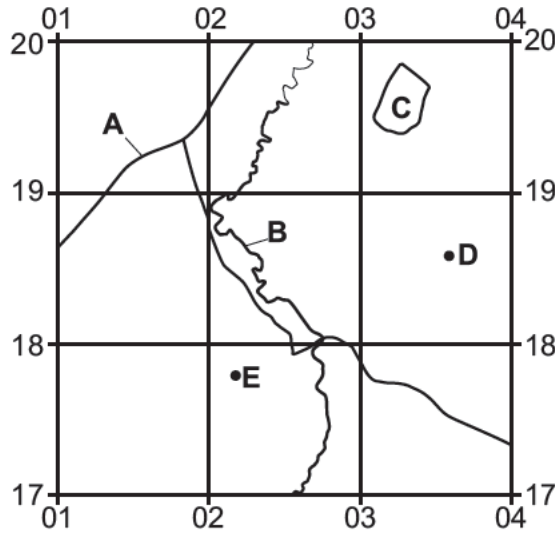


Fig. 1.1

Using the map extract, identify the following features shown in Fig. 1.1:

(i) the type of road at **A**

..... [1]

(ii) feature **B**

..... [1]

(iii) the land use at **C**

..... [1]

(iv) height above sea level of the spot height at **D**

..... metres [1]

(v) feature **E**.

..... [1]

(b) Identify **three** services in Blessington.

1

2

3

[3]





- (e) (i) Find the Regional Road R410 in the north-west of the map extract. Measure the distance along the R410 **from** the western edge of the map **to** the road junction at the church in Eadestown.

Choose your answer to the nearest 500 m from the list provided in the following table. Tick (✓) **one** box.

	tick (✓)
2500 m	
3000 m	
3500 m	
4000 m	

[1]

- (ii) What is the six-figure grid reference for this road junction? Tick (✓) **one** box.

	tick (✓)
178951	
955175	
958171	
951178	

[1]

- (iii) Describe the distribution of settlement in the area to the north of the R410 and west of Eadestown.

.....

.....

.....

.....

.....

.....

..... [3]

[Total: 20]



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2 (a) Fig. 2.1 shows the climate of the Atacama hot desert in Chile.

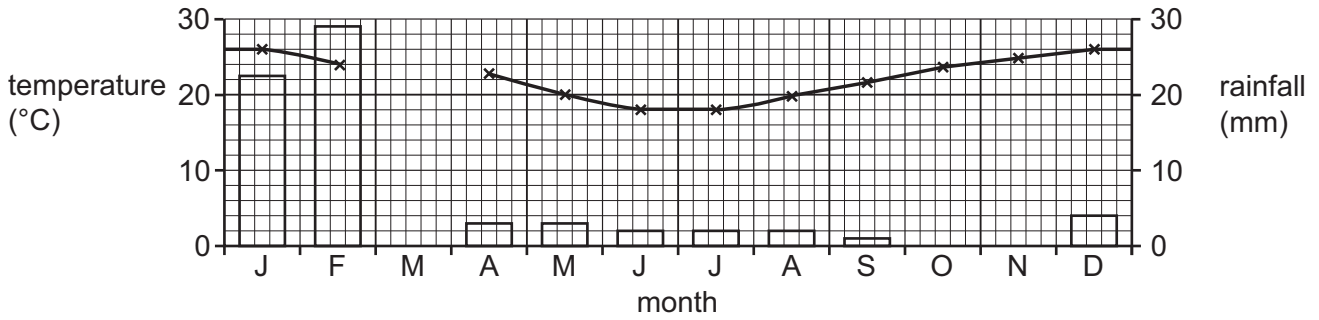


Fig. 2.1

(i) Complete the graph for March using the following data.

temperature (°C)	rainfall (mm)
24	14

[2]

(ii) Using Fig. 2.1, state the annual range of temperature.

..... °C

[1]

(b) Which **two** of the following statements describe the climate of the area shown in Fig. 2.1?

Tick (✓) only **two** boxes.

	tick (✓)
July is the driest month.	
Rain falls throughout the year.	
Temperatures are high throughout the year.	
The hottest monthly temperature is 30 °C.	
There are four seasons.	
There is low annual rainfall.	

[2]





(c) What evidence from Fig. 2.1 suggests the Atacama desert is in the southern hemisphere?

.....
..... [1]

(d) Study Fig. 2.2 (Insert), which shows a type of vegetation found in the Atacama desert. Explain **two** different ways this type of vegetation has adapted to the hot desert climate.

1

.....

2

..... [2]

[Total: 8]

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3 (a) Fig. 3.1 shows the hydrological cycle.

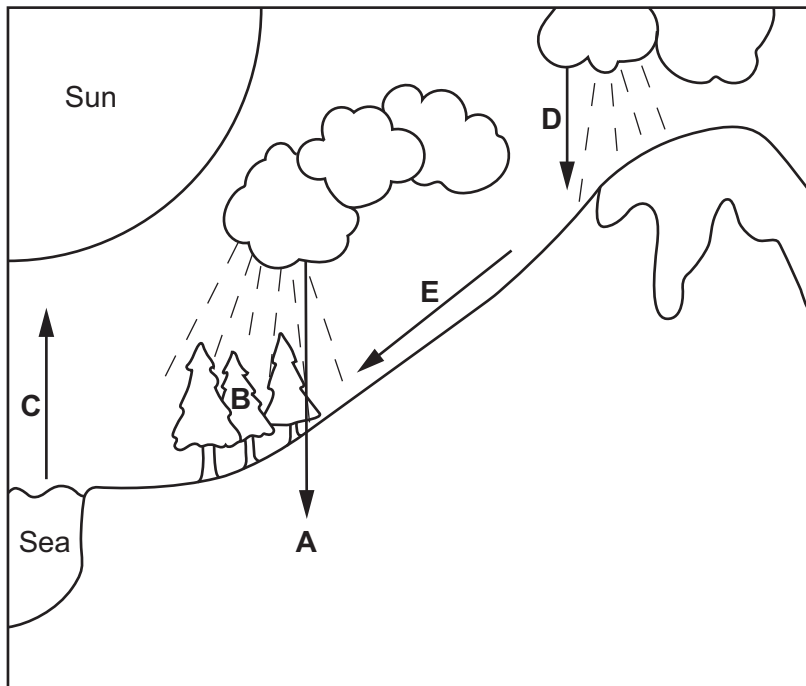


Fig. 3.1

(i) Complete the labels C, D and E.

A and B have been given as examples.

A infiltration

B interception

C

D

E

[3]

(ii) What is meant by the following terms?

infiltration

.....
.....

interception

.....
.....

[2]





(b) (i) Explain how deforestation disrupts the hydrological cycle.

.....

.....

.....

..... [2]

(ii) Suggest another way that people can disrupt the hydrological cycle.

.....

..... [1]

[Total: 8]

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- 4 (a) Study Fig. 4.1, a map showing the main destinations for migrants **from** Venezuela, a country in South America.

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Fig. 4.1

Using Fig. 4.1, describe the pattern of migration from Venezuela. Do **not** use statistics in your answer.

.....

.....

.....

.....

.....

.....

.....

.....

.....

..... [4]





(b) Suggest **two** reasons why people such as those from Venezuela may migrate.

1

.....

2

.....

[2]

(c) (i) Suggest **one** economic opportunity that migrants can bring to the country they have moved to.

.....

..... [1]

(ii) Suggest **one** social problem that migrants may experience in the country they have moved to.

.....

..... [1]

[Total: 8]

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6 (a) Study Table 6.1, which shows development indicators for seven countries in 2021.

Table 6.1

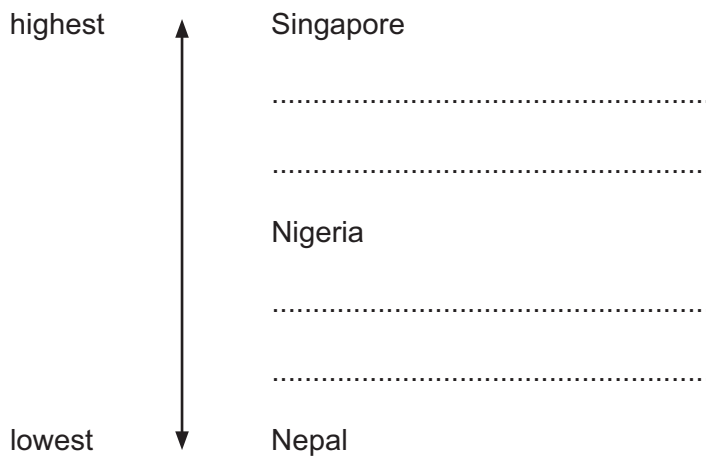
country	life expectancy (years)	GNP per capita (\$US)	literacy rate (%)	population living in urban areas (%)
Moldova	70	5 231	99	43
Nepal	69	1 208	71	21
Nicaragua	72	2 046	83	59
Nigeria	53	2 066	62	53
Norway	83	89 154	100	83
Pakistan	66	1 505	58	37
Singapore	84	72 794	97	100

(i) Suggest **one** reason why the percentage of population living in urban areas can be used as an indicator of development.

.....
..... [1]

(ii) Put the data for the percentage of population living in urban areas in order from highest to lowest.

Three have been done for you.



[2]

(iii) Look at the literacy rate for Moldova. What is unusual about this data compared to Moldova's other development indicators?

.....
..... [2]



(b) Fig. 6.1 is a scatter graph showing data from Table 6.1.

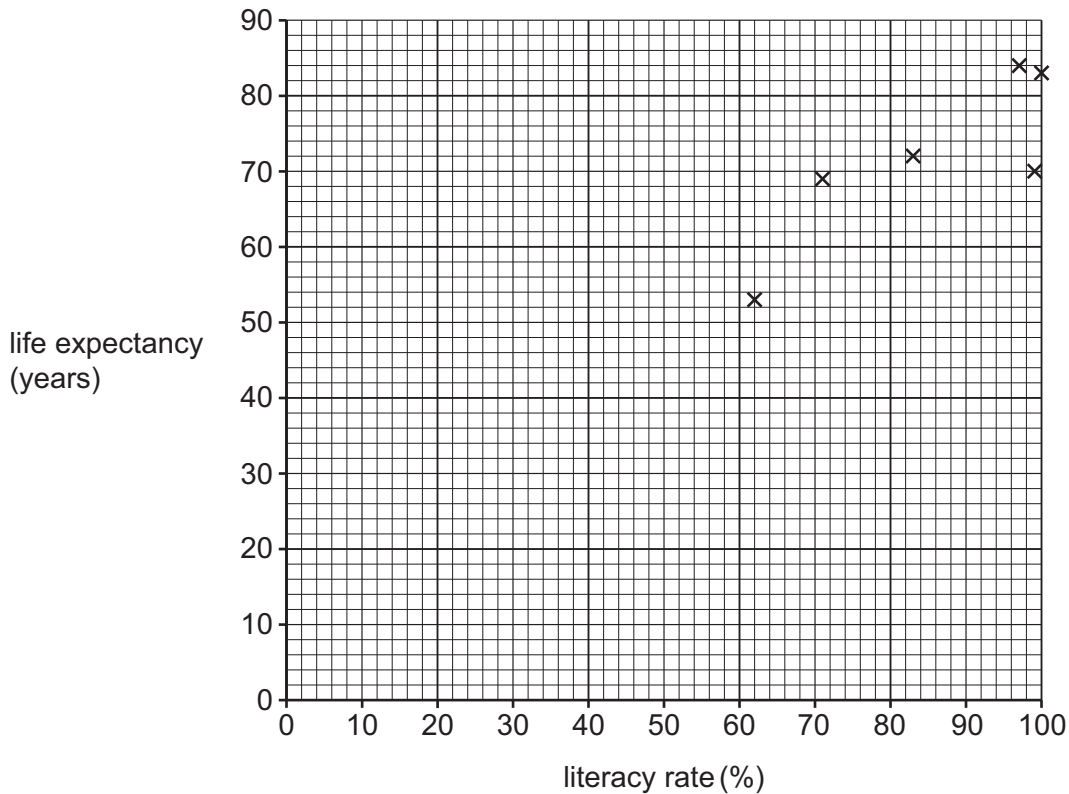


Fig. 6.1

(i) Plot the data for Pakistan shown in Table 6.1. [1]

(ii) Using Fig. 6.1, describe the relationship between literacy rate and life expectancy.

..... [1]

(iii) Suggest one reason for this relationship.

..... [1]

[Total: 8]



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