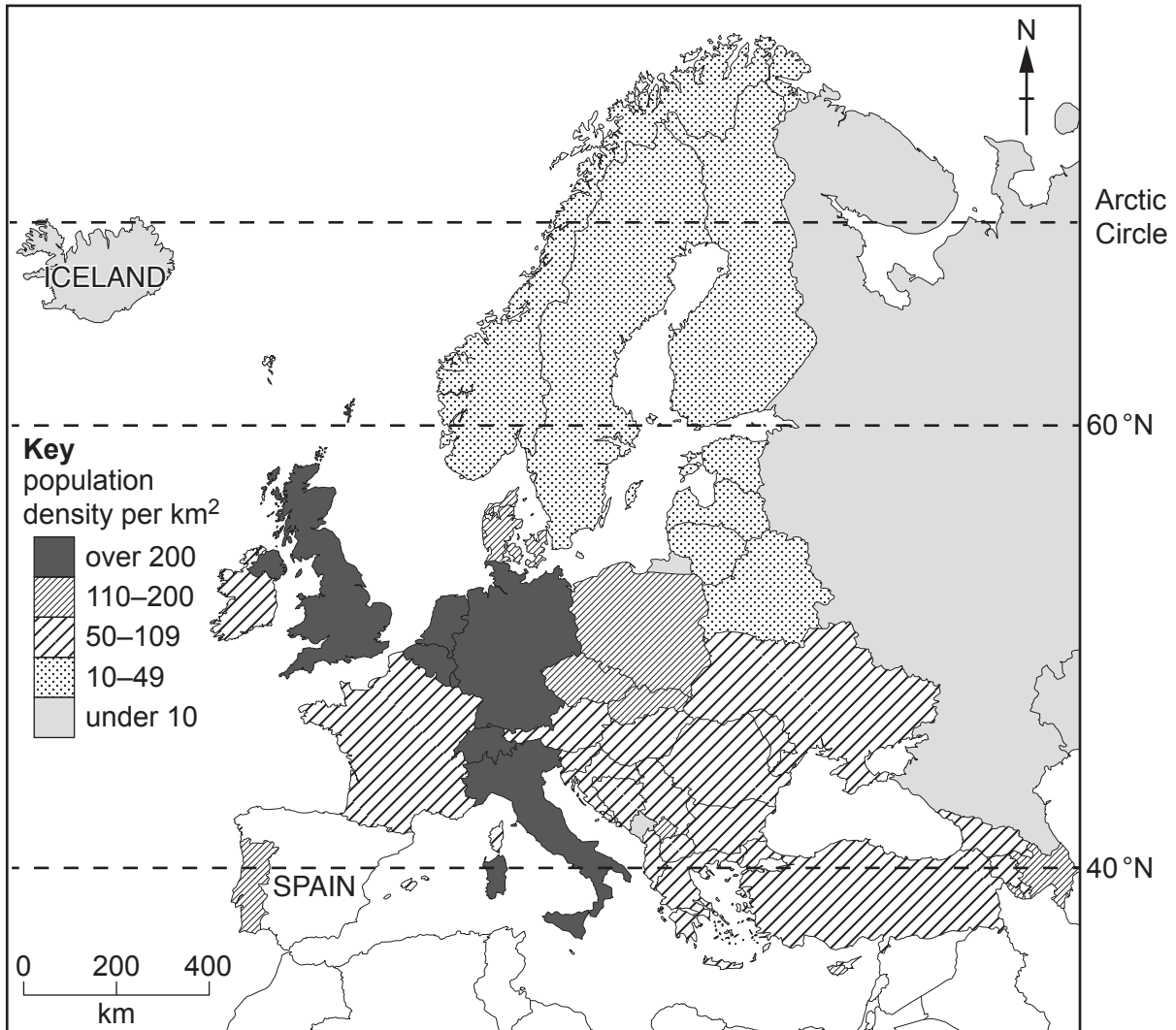




## Section A

Answer **one** question from this section.

- 1 (a) Study Fig. 1.1, which shows information about population density in Europe in 2018.



**Fig. 1.1**

- (i) **Complete Fig. 1.1** by plotting the following information:

The population density of Spain is 91 people per km<sup>2</sup>.

[1]

- (ii) The continent of Europe had a population of 743 million in 2018. The land area is 10.18 million km<sup>2</sup>.

Calculate the population density of Europe.

You should show your calculations in the box below and give your answer to the nearest whole number.

..... per km <sup>2</sup>
---------------------------

[2]

- (iii) Describe the distribution of the areas in Europe with over 200 people per km<sup>2</sup>.

.....

.....

.....

.....

.....

.....

..... [3]

- (iv) Suggest how **two** different physical factors have resulted in Iceland being sparsely populated.

1 .....

.....

.....

.....

.....

2 .....

.....

.....

..... [4]

(b) Study Fig. 1.2 (Insert), which is a photograph taken in Amman, the capital city of Jordan.

(i) Give **three** pieces of evidence from Fig. 1.2 which suggest that Amman is densely populated.

1 .....

.....

2 .....

.....

3 .....

..... [3]

(ii) Describe the problems experienced by people living in densely populated cities, such as Amman.

.....

.....

.....

.....

.....

.....

.....

.....

.....

..... [5]



2 (a) Study Fig. 2.1, which is a map showing the Lower Don Valley in Sheffield, a city in the UK.

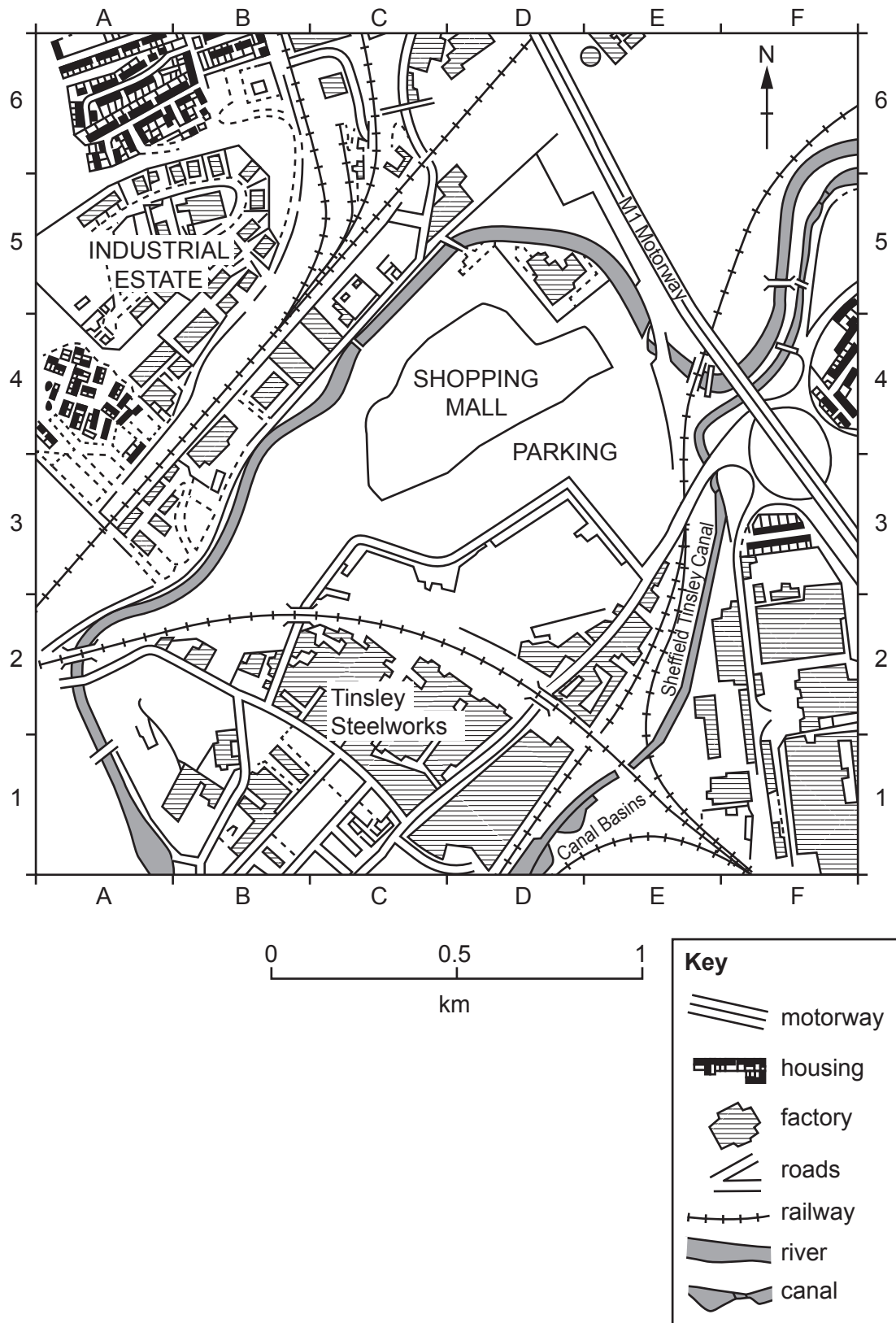


Fig. 2.1









Section B

Answer **one** question from this section.

3 (a) Study Figs. 3.1 and 3.2, which are diagrams of different types of volcano.

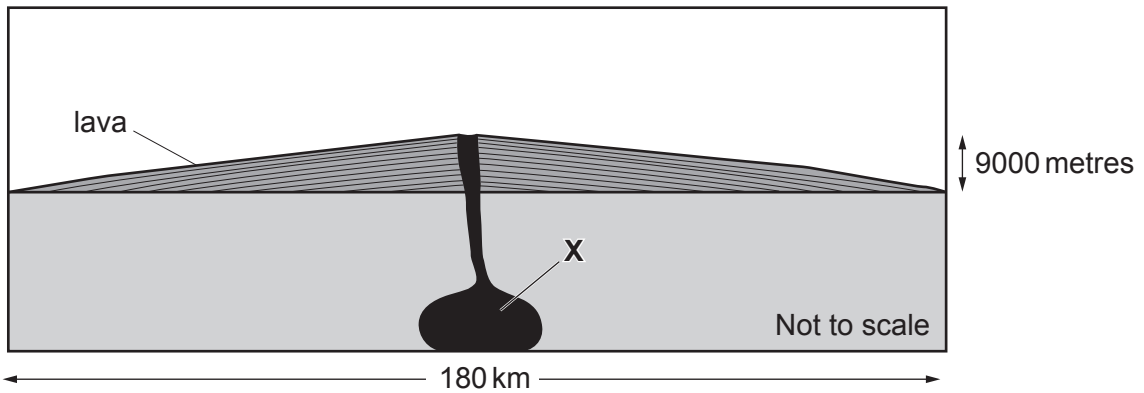


Fig. 3.1

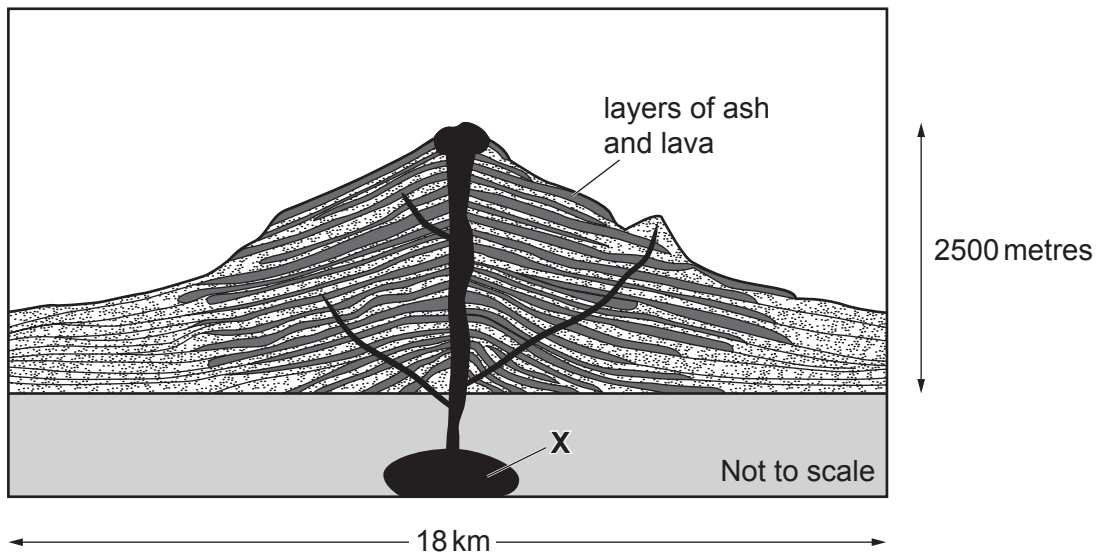


Fig. 3.2

(i) What feature is shown by X in Figs. 3.1 and 3.2?  
..... [1]

(ii) Which types of volcano are shown in Figs. 3.1 and 3.2?  
Fig. 3.1 .....  
Fig. 3.2 ..... [2]

(iii) Using Figs. 3.1 and 3.2 **only**, describe **three** differences between the volcanoes shown.

- 1 .....
- .....
- 2 .....
- .....
- 3 .....
- ..... [3]

(iv) Describe the benefits of living close to a volcano.

- .....
- .....
- .....
- .....
- .....
- .....
- .....
- .....
- ..... [4]





- 4 (a) Study Fig. 4.1, which shows four instruments which are used for weather recording.

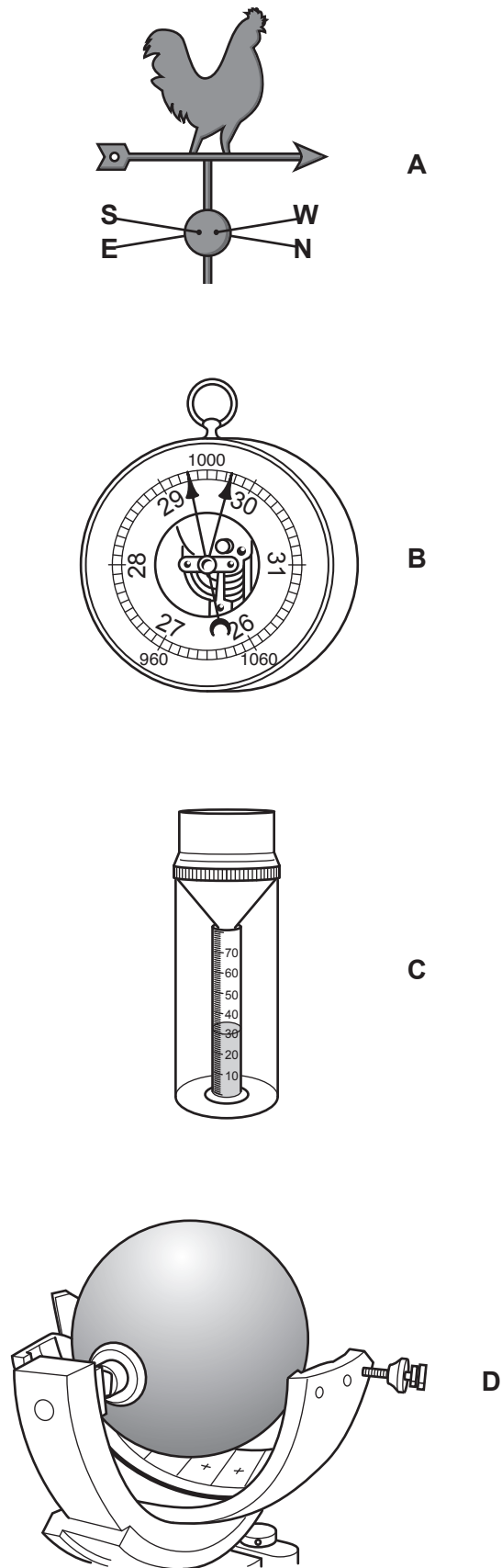


Fig. 4.1



(b) Study Fig. 4.2 (Insert), which is a photograph showing different types of clouds.

(i) Using Fig. 4.2:

identify the type of cloud at **X** .....

estimate the amount of cloud cover ..... oktas

describe **one** feature of the cloud type shown at **X**.

.....  
..... [3]

(ii) Explain how observations of cloud type and cover can be made and used to compare two different months.

.....  
.....  
.....  
.....  
.....  
.....  
.....  
.....  
.....  
.....  
..... [5]





Section C

Answer **one** question from this section.

- 5 (a) Study Fig. 5.1, which shows the sources used for electricity production in Finland (an MEDC in Europe) in 2015.

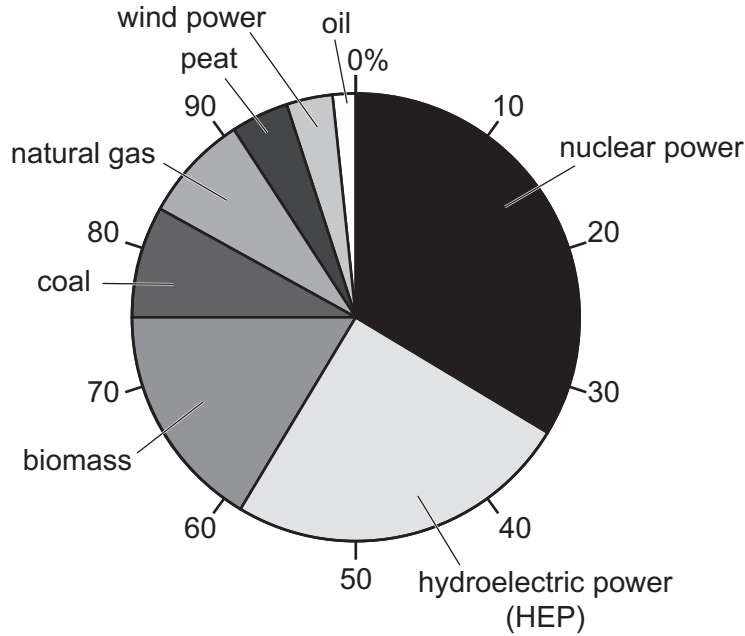


Fig. 5.1

(i) What percentage of electricity was generated using coal in Finland in 2015?  
..... % [1]

(ii) Identify **two** renewable methods of electricity generation which were used in Finland in 2015.  
1 .....  
2 ..... [2]

(iii) Suggest reasons to explain why Finland is planning to increase its use of renewable energy.  
.....  
.....  
.....  
.....  
.....  
..... [3]

(iv) Give **two** advantages and **two** disadvantages of using nuclear power to generate electricity.

Advantage 1

.....  
.....

Advantage 2

.....  
.....

Disadvantage 1

.....  
.....

Disadvantage 2

.....  
..... [4]

(b) Study Fig. 5.2, which shows the site of a proposed dam and HEP station in The Gambia (an LEDC in Africa).

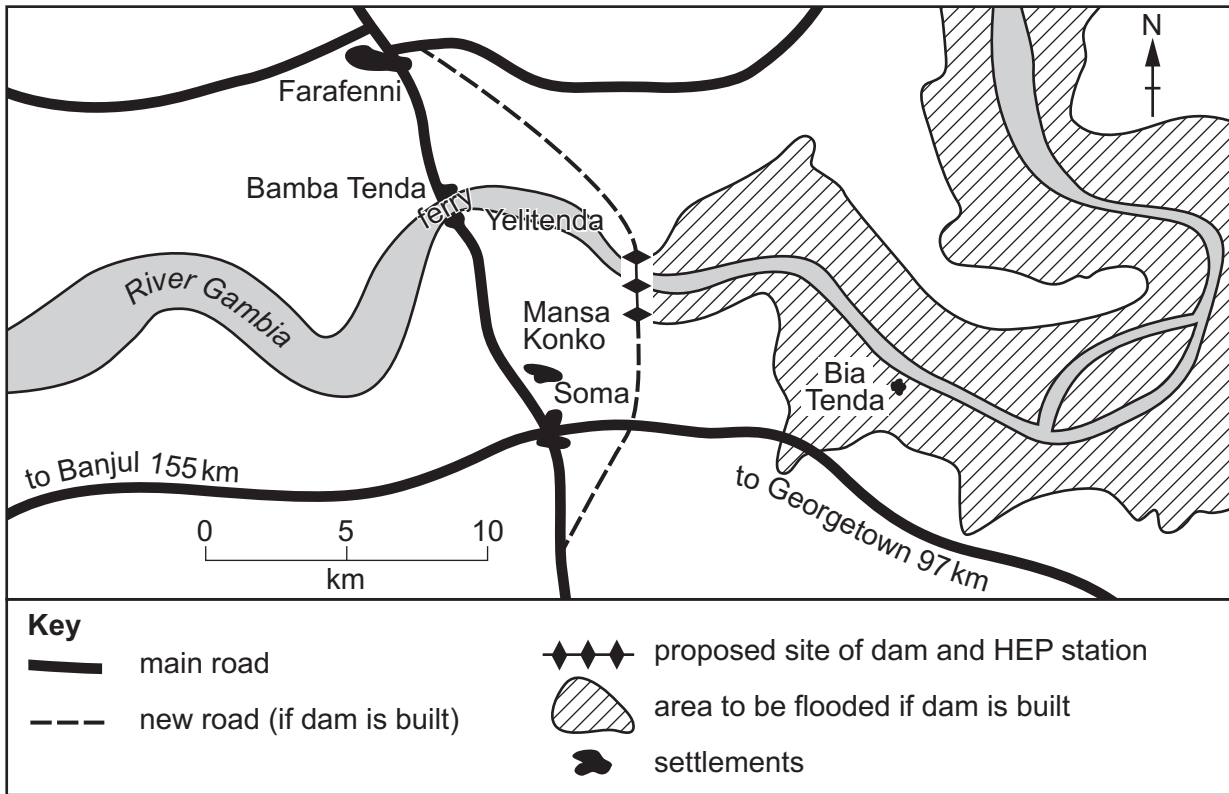


Fig. 5.2

(i) Suggest **three** problems which may be caused by building the dam and HEP station shown in Fig. 5.2.

- 1 .....
- .....
- 2 .....
- .....
- 3 .....
- ..... [3]





- 6 (a) Study Fig. 6.1, which shows information about the relationship between two indicators of development in selected countries.

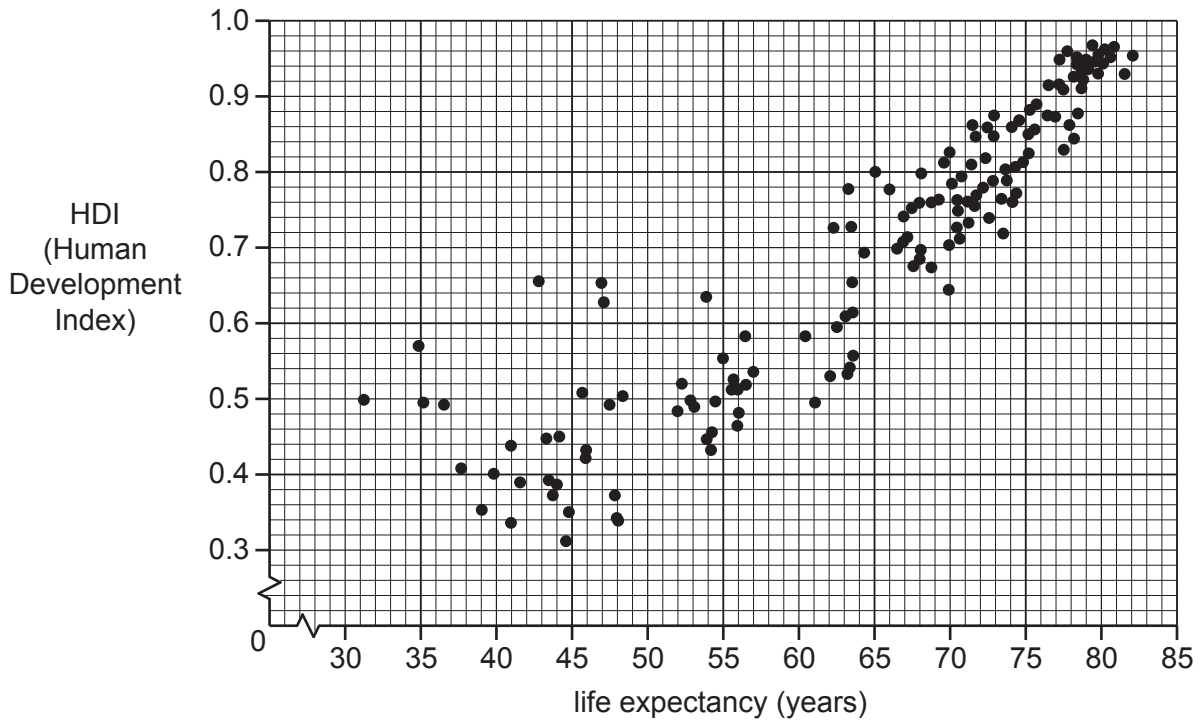


Fig. 6.1

- (i) Draw a best-fit line on Fig. 6.1. [1]

- (ii) To what extent does Fig. 6.1 show that there is a relationship between HDI and life expectancy?

.....

.....

..... [2]

- (iii) Explain why there is a relationship between HDI and life expectancy.

.....

.....

.....

.....

..... [3]

(iv) Explain why HDI is a more useful measure of the development of a country than using average income per person.

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

..... [4]

(b) Study Fig. 6.2, which shows changes in the employment structure of Brazil between 2007 and 2017. Brazil is a newly industrialised country (NIC) in South America.

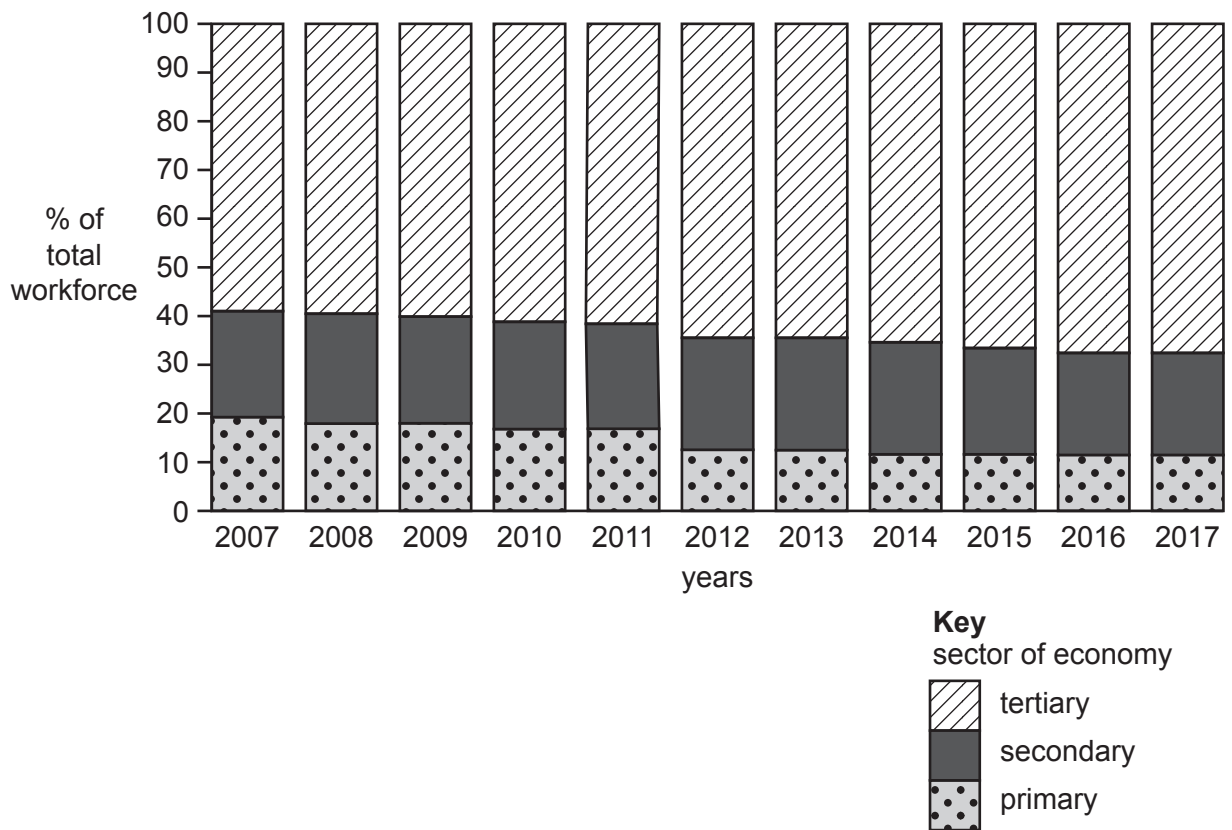


Fig. 6.2









