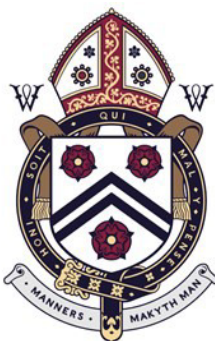


Name

School



WINCHESTER
COLLEGE

Entrance Examination Geography

Specimen Paper 1

Total time allowed: 1 hour

55 marks

Candidates answer on the Question Paper.

Write in dark blue or black pen.

Additional materials: Calculator, Ruler, Protractor, HB pencil.

SECTION A

Candidates should answer all questions in this section.

SECTION B & C

Pupils are to answer one question from either section B or C

SECTION D

Candidates should answer all questions in this section.

SECTION A
THESE QUESTIONS ARE ON UK AND GLOBAL KNOWLEDGE

Answer ALL the questions in this section.

1) Shade and name the following countries on the world map on **page 3**:

(a) Nigeria (b) Norway (c) Colombia (3)

2) Label the Tropic of Capricorn on the world map. (1)

3) Label the Antarctic Circle on the world map. (1)

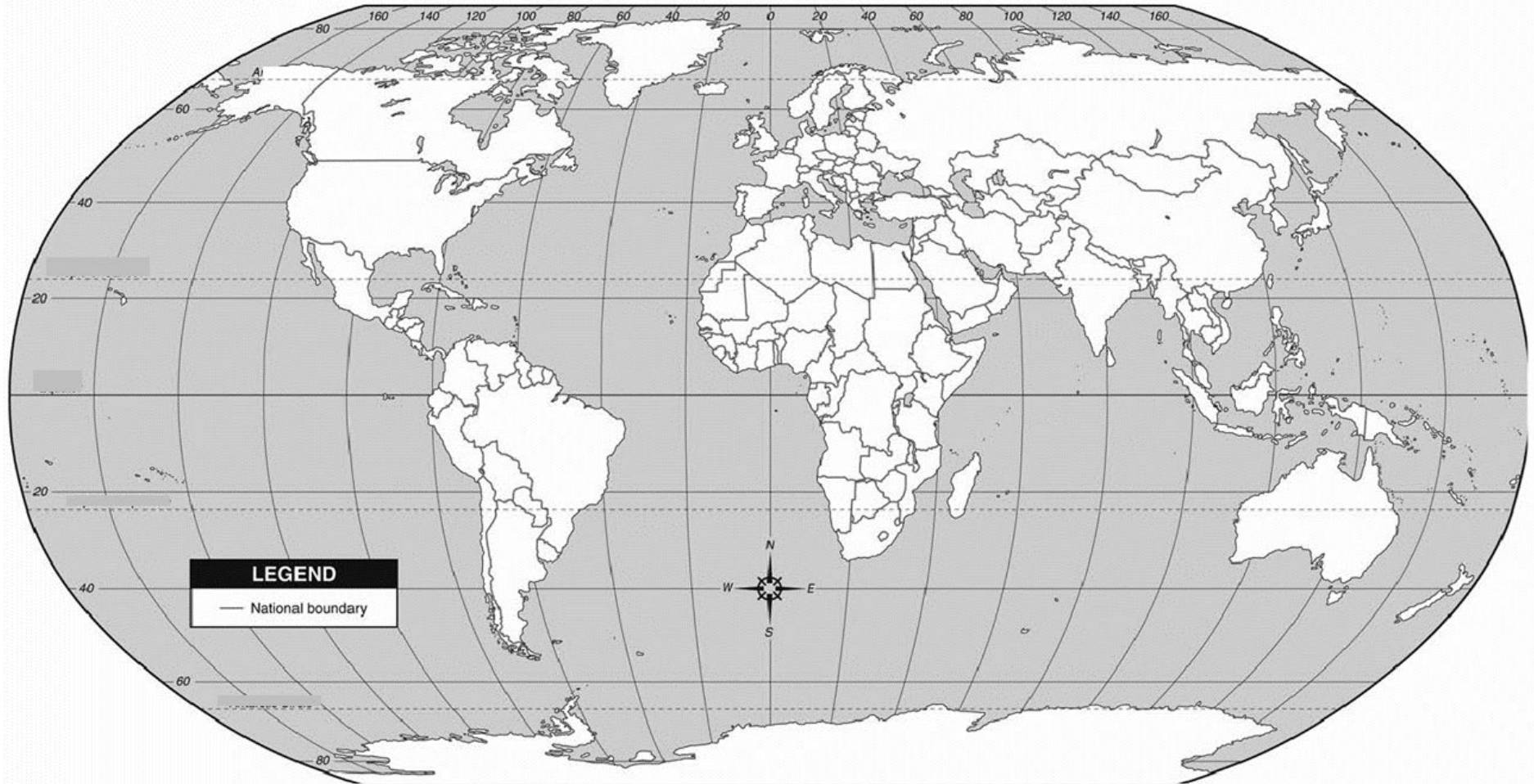
4) Locate and label the following cities on the world map: Tehran and Vancouver. (2)

5) Look at the map of the UK on **page 4**.

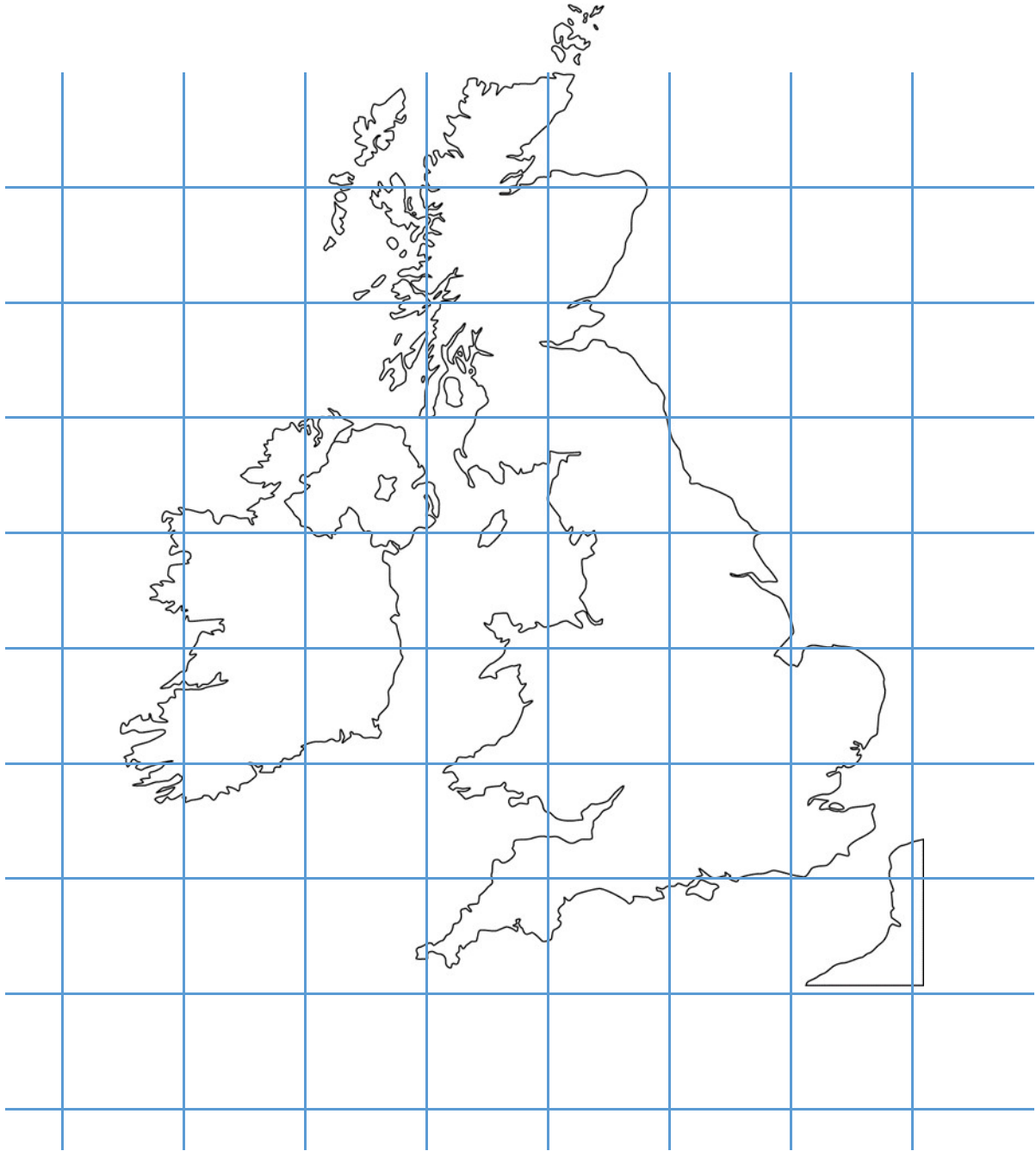
- (a) Locate and label Bristol, Dublin and Edinburgh on the map. (3)
- (b) What is the name of the upland area in grid square 0408? (1)
- (c) What is the grid square due east of grid square 0408? (1)
- (d) What is the six figure grid reference of location A on the map? (1)
- (e) What is the name of the city at location A? (1)
- (f) What is the name of the river that flows through the city at location A? (1)

(Total = 15 Marks)

WORLD MAP



MAP OF THE UK



Answers to:

5)

b)

c)

d)

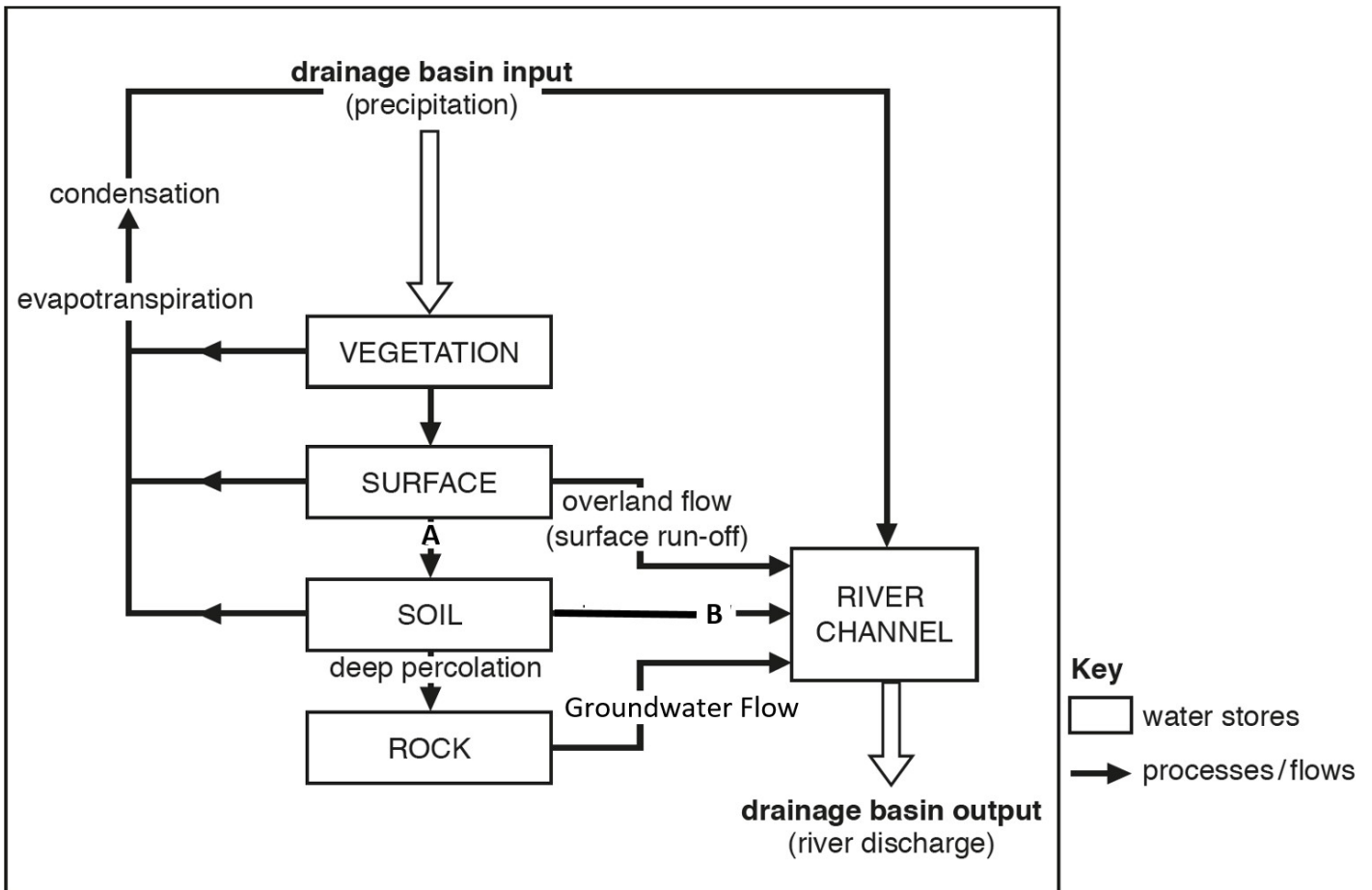
e)

f)

SECTION B

Answer one questions from this section, either question one or question two.

QUESTION 1: RIVERS



a) What is a drainage basin?

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

b) Name the processes/flows which take place at A and B on Fig. 1.

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

c) Explain why the amount of surface run-off varies in a drainage basin from season to season.

.....

.....

.....

..... [3]

d) Describe how rivers transport their load.

.....

.....

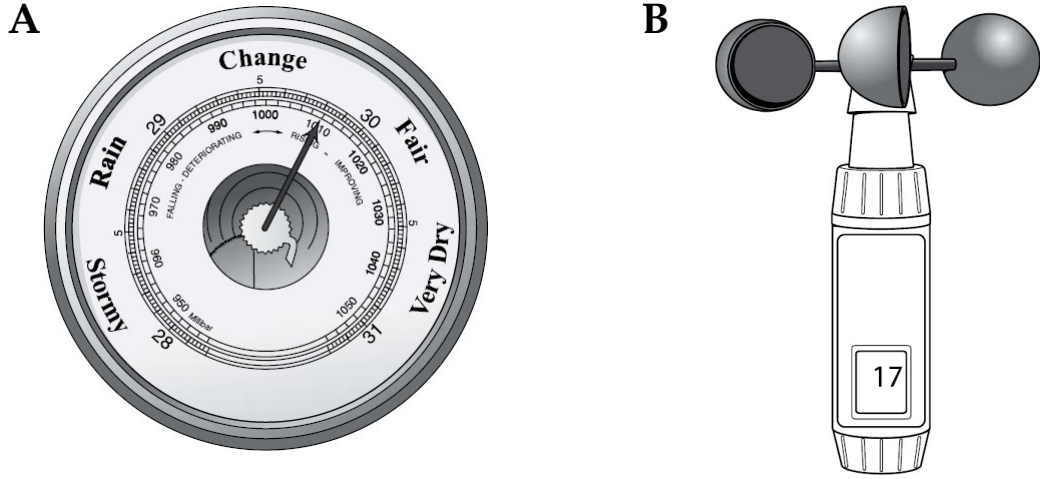
.....

.....

..... [4]

QUESTION 2: WEATHER AND CLIMATE

Fig 2: Two instruments used at a school weather station



a) What is the name of instrument A and what does it measure?

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

b) What is the name of instrument B and what does it measure?

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

c) Explain why instrument B is sited on the roof of the school .

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

d) Describe and explain the mechanics of relief rainfall. Use a diagram if you wish.

.....

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..... [4]

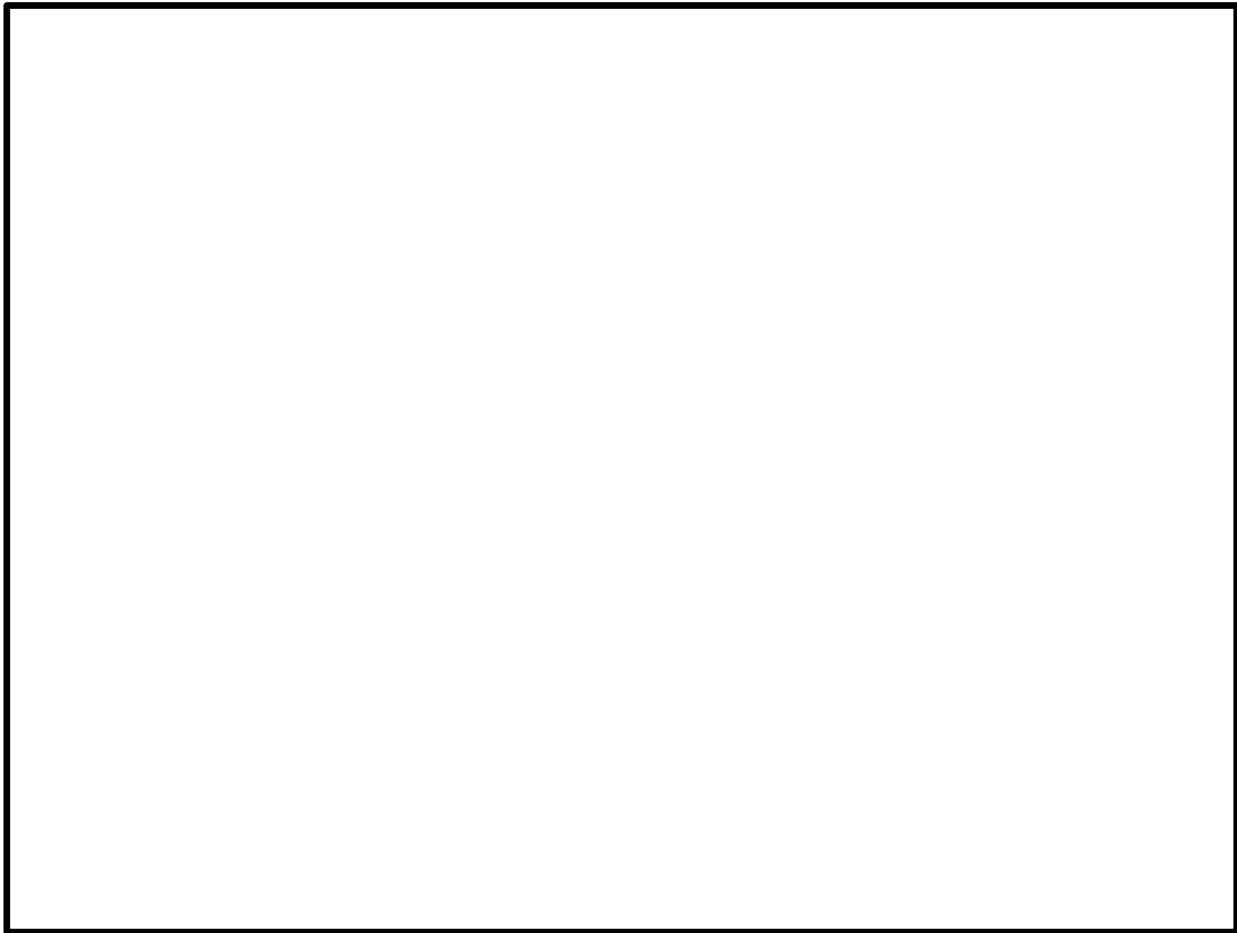


Fig 3: A map showing London and Astana (the capital city of Kazakhstan)

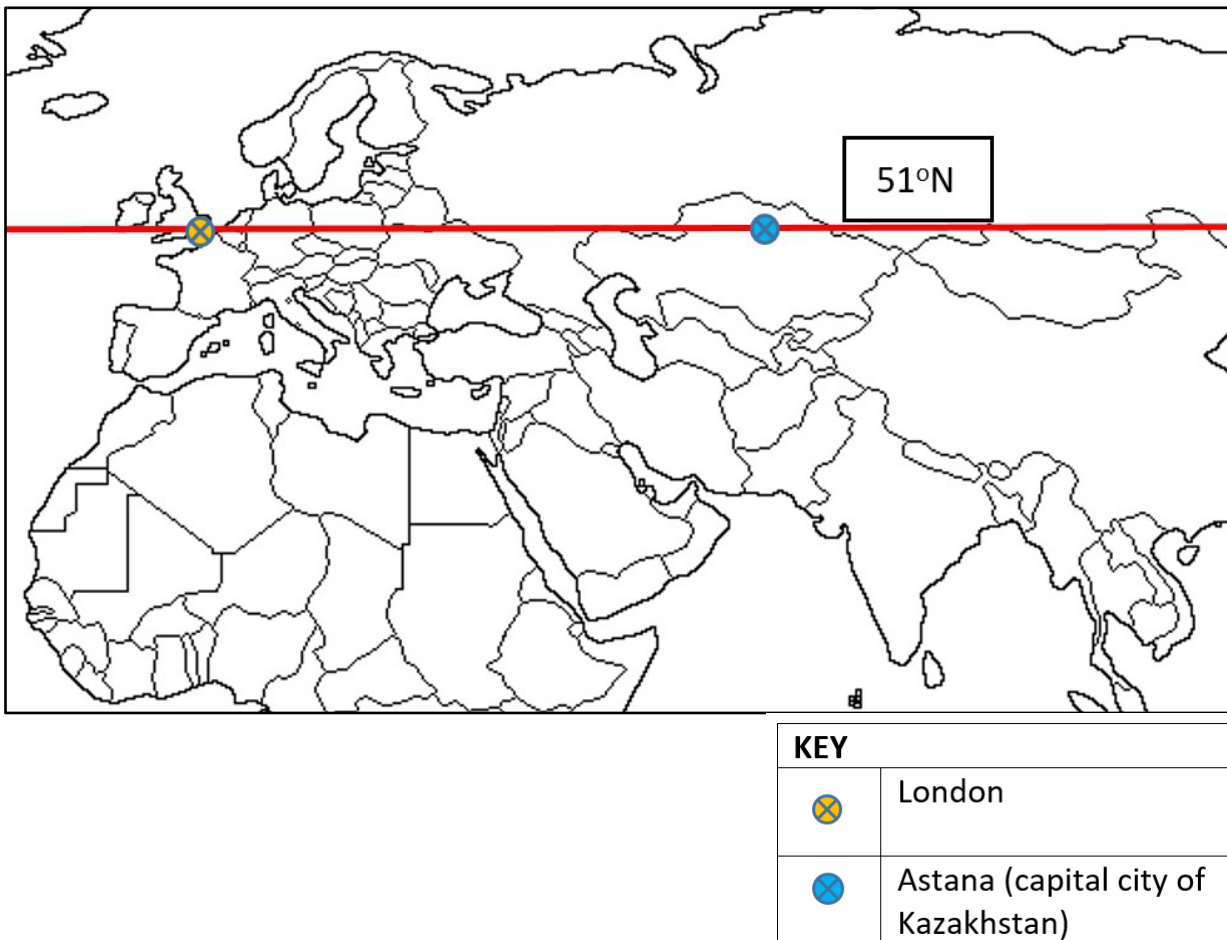


Table 1: Average temperature data for London and Astana

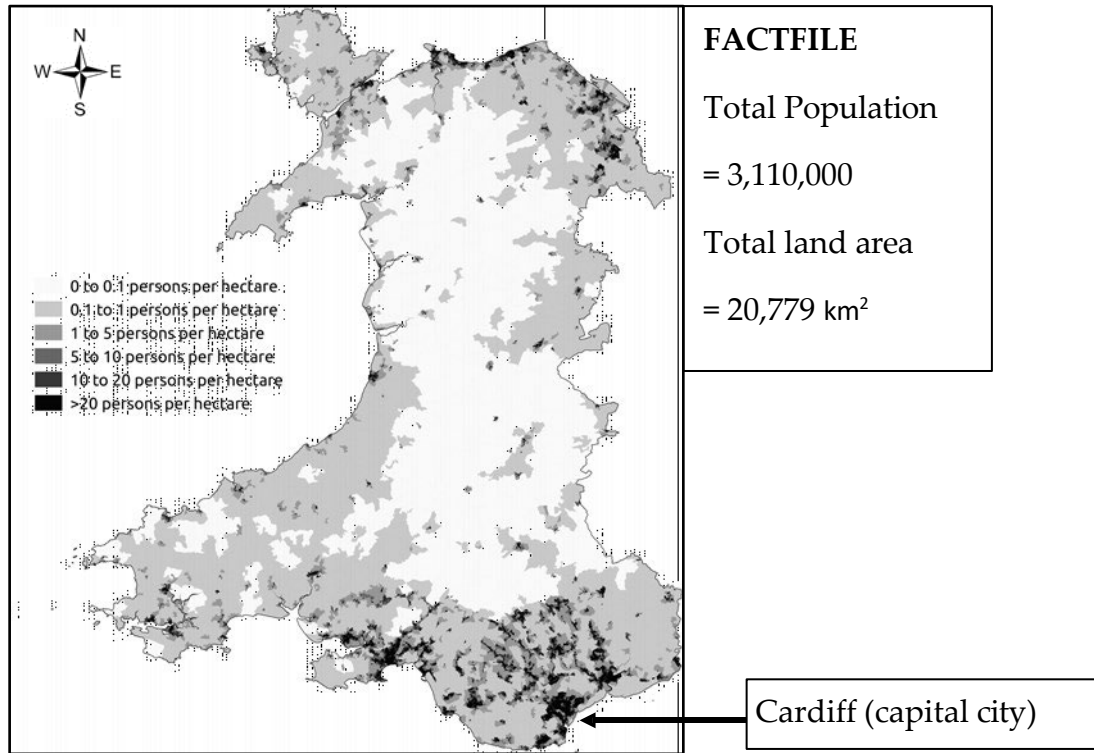
	Latitude	Average temperature in January	Average temperature in July
Astana	51°N	-16°C	21°C
London	51°N	6°C	19°C

SECTION C

Answer one questions from this section, either question three or question four.

QUESTION 3: POPULATION AND SETTLEMENT

Fig 4: Map of population density in Wales



By Skate Tier <https://commons.wikimedia.org/>

a) What is meant by 'densely populated'?

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

b) Using Fig 4, calculate the population density of Wales. You should show your calculations. Give your answer to 2 decimal places.

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

c) Describe the distribution of population in Wales.

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

d) Suggest two reasons why many people live in Cardiff, the capital city of Wales.

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

e) State **two** different physical factors and for each one explain how it may influence the distribution of population in a country.

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

QUESTION 4: TRANSPORT AND INDUSTRY

Table 2: Information about the employment structure of Myanmar (an LEDC) and Sweden (an MEDC).

	Primary	Secondary	Tertiary
Myanmar	70%	8%	22%
Sweden	2%	23%	75%

a) Give one example of primary employment.

.....[1]

b) Give one example of tertiary employment.

.....[1]

c) Using information from Table 2 only, compare the employment structure of Sweden and Myanmar.

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

d) Suggest reasons for the difference in employment structure between Sweden and Myanmar.

.....

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..... [4]

e) Explain how the location of industry can be influenced by transport.

.....

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.....

..... [4]

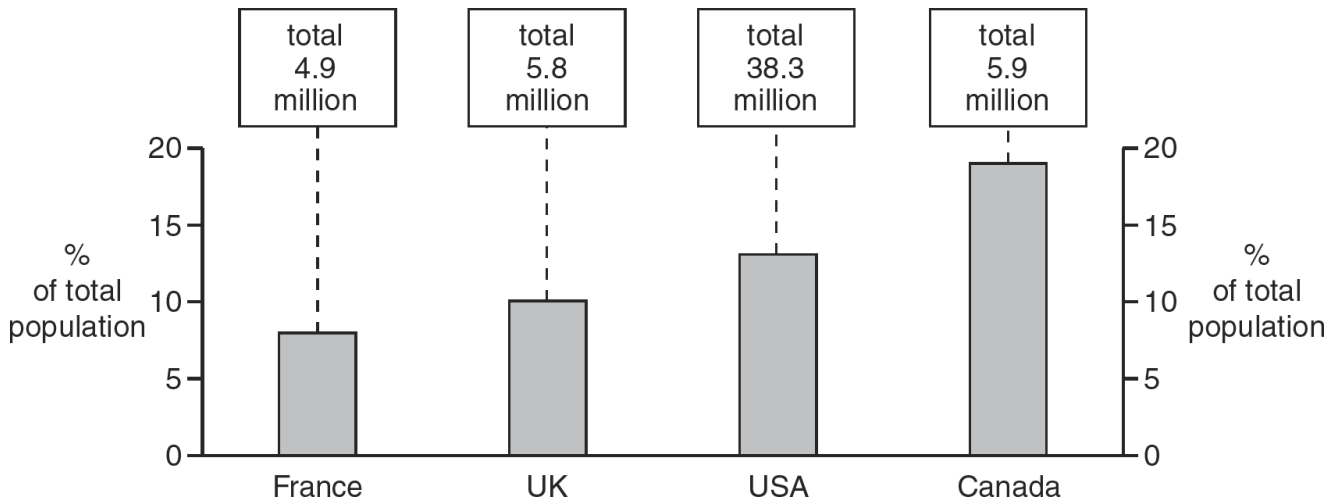
SECTION D

Answer all questions in this section.

QUESTION 5

Fig. 5 gives information about the populations of four countries. It shows statistics about the percentage of each country's population born in another country.

Fig 5



a) Which one of the four countries has the greatest number of people born in another country and what is the percentage?

Country% [1]

b) Which one of the four countries has the least number of people born in another country and what is the number?

Countrymillion [1]

c) Using information from Fig. 5, how do the statistics for the USA differ from those of the other three countries? [1]

.....

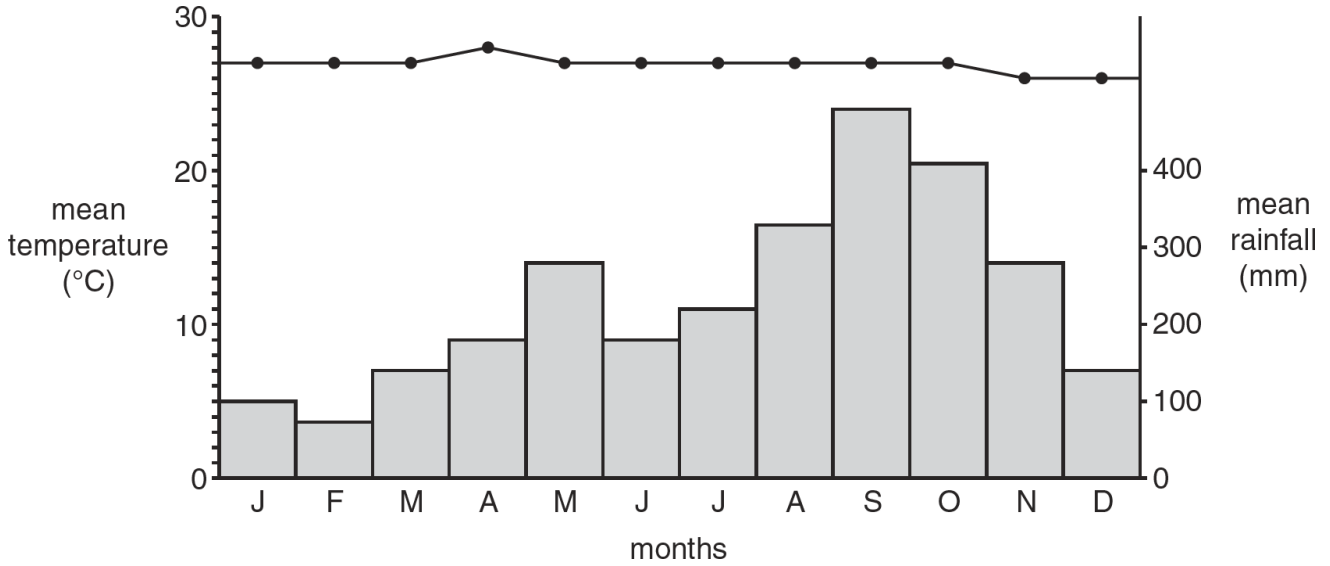
..... [2]

QUESTION 6

Fig. 6 is a climate graph.

The line graph shows the temperature and the bar graph shows the rainfall.

Fig 6



a) Use the information in Fig. 2 to fill in the following table:

[2]

Mean temperature of the hottest month	
Mean temperature of the coldest month	26°C
Annual temperature range	
The month with the lowest rainfall	
The month with the highest rainfall	

b) Describe the climate shown in Fig 2 using the information in the table you have just completed.

.....

 [3]

QUESTION 7

Some school children wanted to do some fieldwork in their local city centre. They wanted to find out how the shopping area had changed over time. They decided to test the following hypothesis:

Hypothesis: Shops and services in the area have changed between 1985 and 2010.

a) First the students completed a land-use map of the shopping area. This map is shown in Fig. 7 on the next page.

i) Use the map key to label the following buildings on Fig. 7:

a clothes store at point X;

a bank at point Y.

[2]

ii) What type of shop or service is located north of point X?

.....[1]

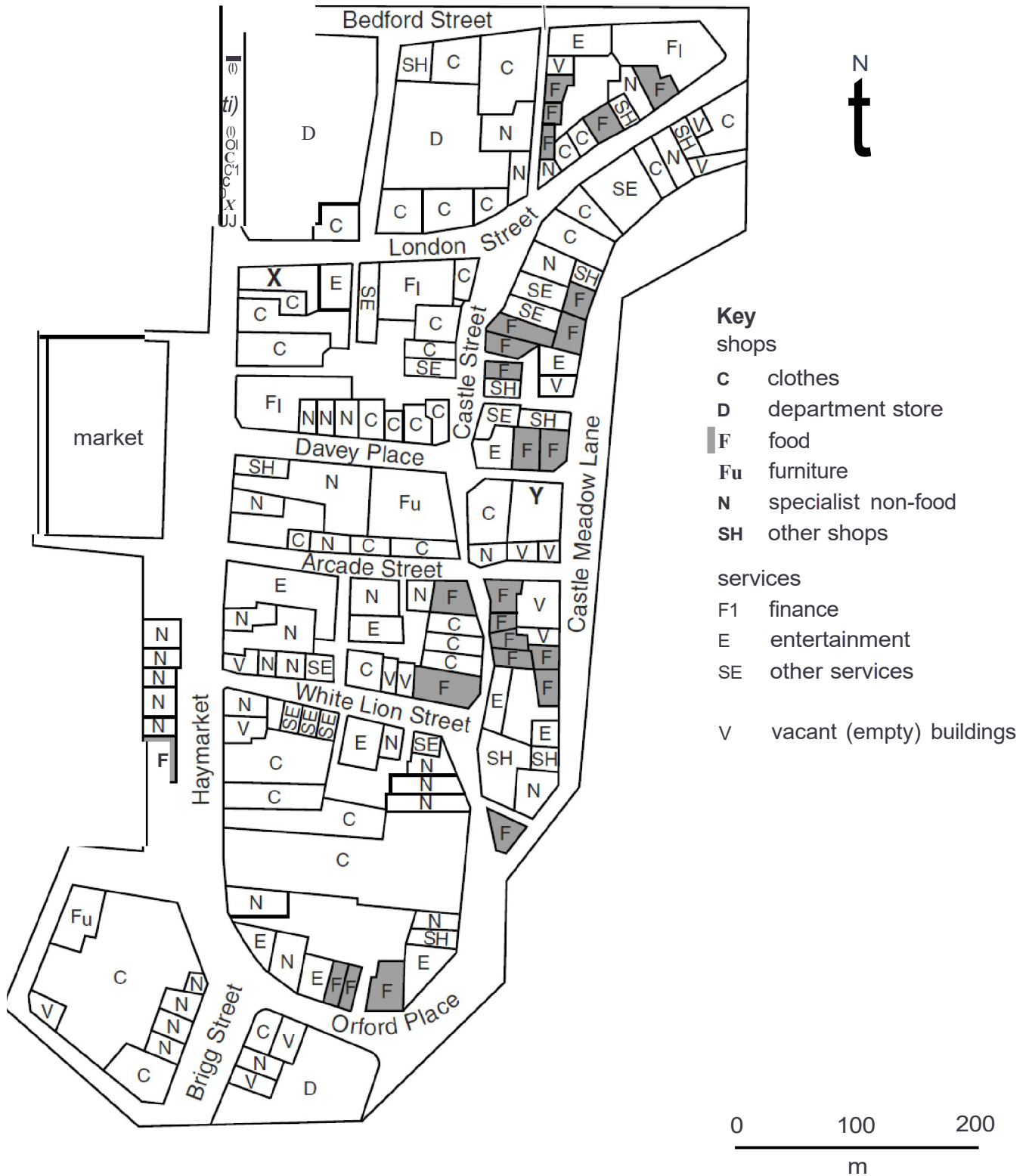
iii) What type of shop or service is located 100m west of point Y?

.....[1]

Fig 7

Shopping area in 2010

Swan Lane



To compare the different shops and services in 1985 and 2010 the students produced Table 3 below.

Table 3

Number of shops and services located in the shopping area

Category	1985	2010
Shops		
Clothes	55	38
Department store	5	3
Food (including cafes, bars, restaurants, take-away food)	6	25
Furniture	14	2
Specialist non-food (including electrical, mobile or cell phones, sports, jewellery)	41	38
Other shops	3	10
Services		
Finance	6	4
Entertainment (including nightclubs, theatres)	7	11
Other services (including travel agents, solicitors)	9	11
Vacant (empty) buildings	7	15
Total	153	157

The students obtained the data for 1985 from a map which showed the area in that year.

iv) What is the correct term for this type of data? Circle your choice below.

Fieldwork data

Primary data

Sampling data

Secondary data

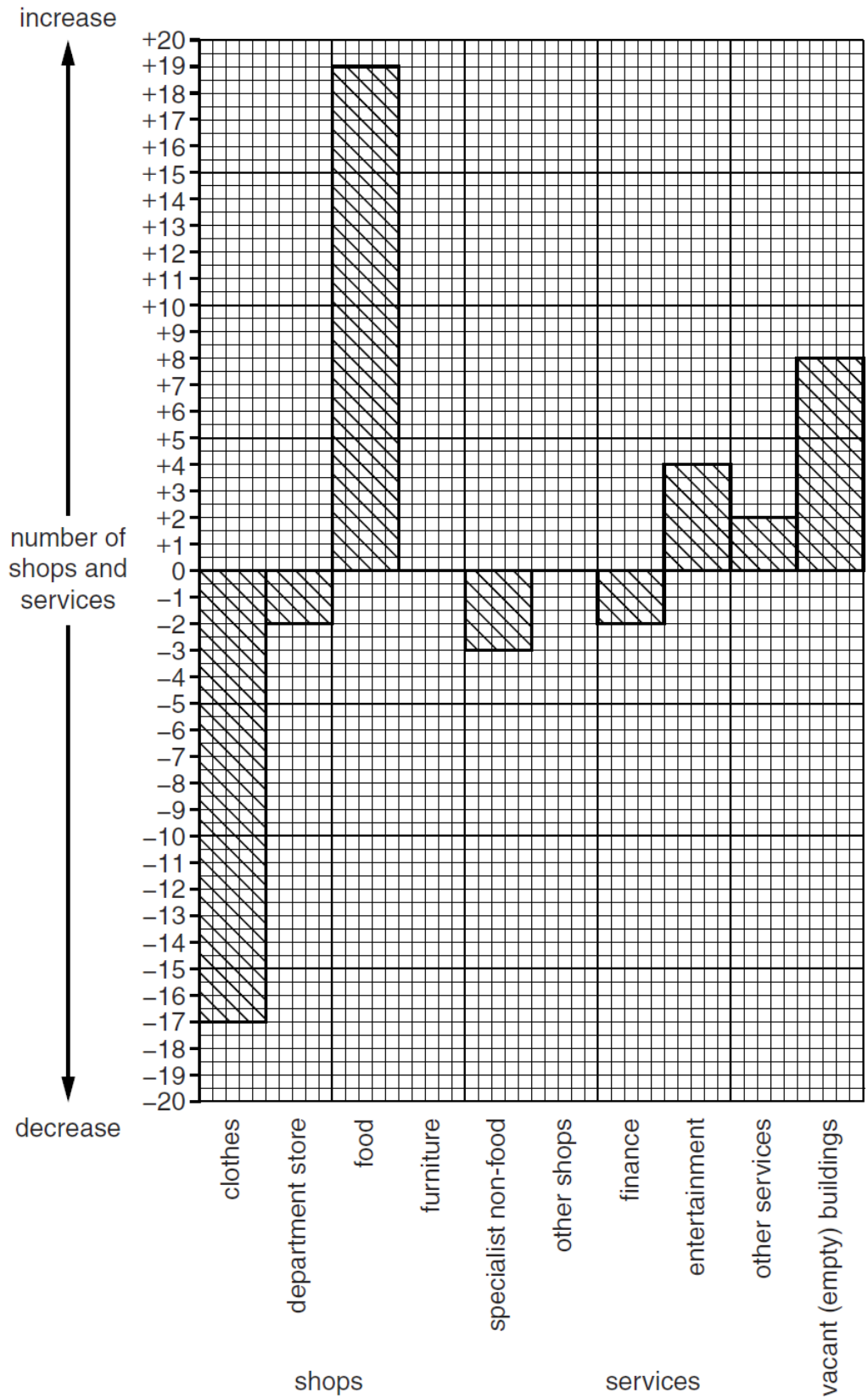
[1]

The students used Table 3 to draw the graph, Fig. 8 below.

(v) Complete the graph in Fig. 8 (below) to show the changes in the number of furniture shops and other shops.

[2]

Fig 8 Changes in the number of shops and services between 1985 and 2010



(vi) What conclusion would the students make about Hypothesis 1: Shops and services in the area have changed between 1985 and 2010? Support your decision with evidence from Table 3 and Fig. 8.

.....

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.....

.....

..... [3]

(Total = 20 marks)

END OF PAPER

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