

Answer ALL questions.

1. (a) Study Figure 1(a), which shows the population pyramid for Qatar in 1990. The population of Qatar contains a significant number of male migrant workers.

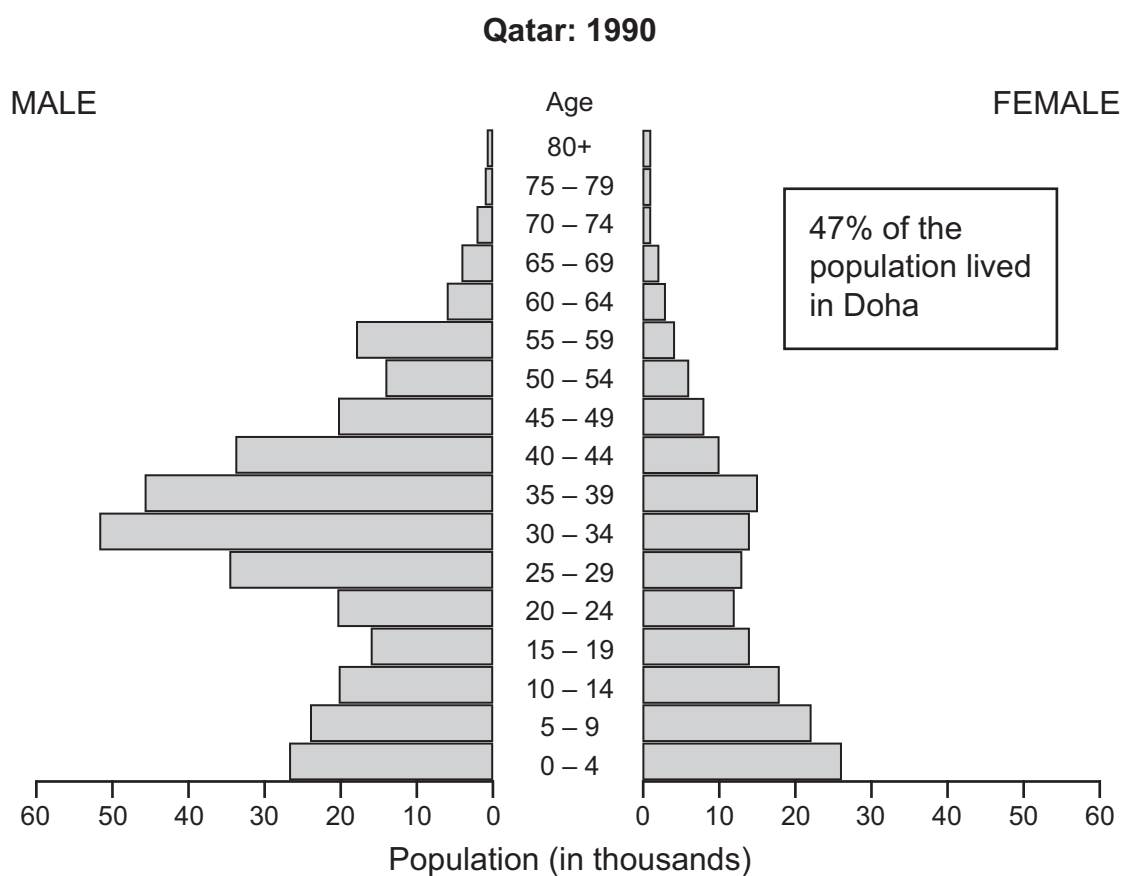


Figure 1(a)

Complete the statements (i) and (ii) below by putting a cross (☒) in the correct box.

- (i) The population pyramid shows that in 1990:

- ☐ there were fewer males than females
- ☐ there were the same number of males and females
- ☐ there were fewer females than males

(1)

- (ii) The total number of infants aged four and under was:

- ☐ 53 000
- ☐ 58 000
- ☐ 63 000

(1)



(iii) Figure 1(b) is a partly completed population pyramid for Qatar in 2005. Migrant workers are still a significant percentage of the male population.

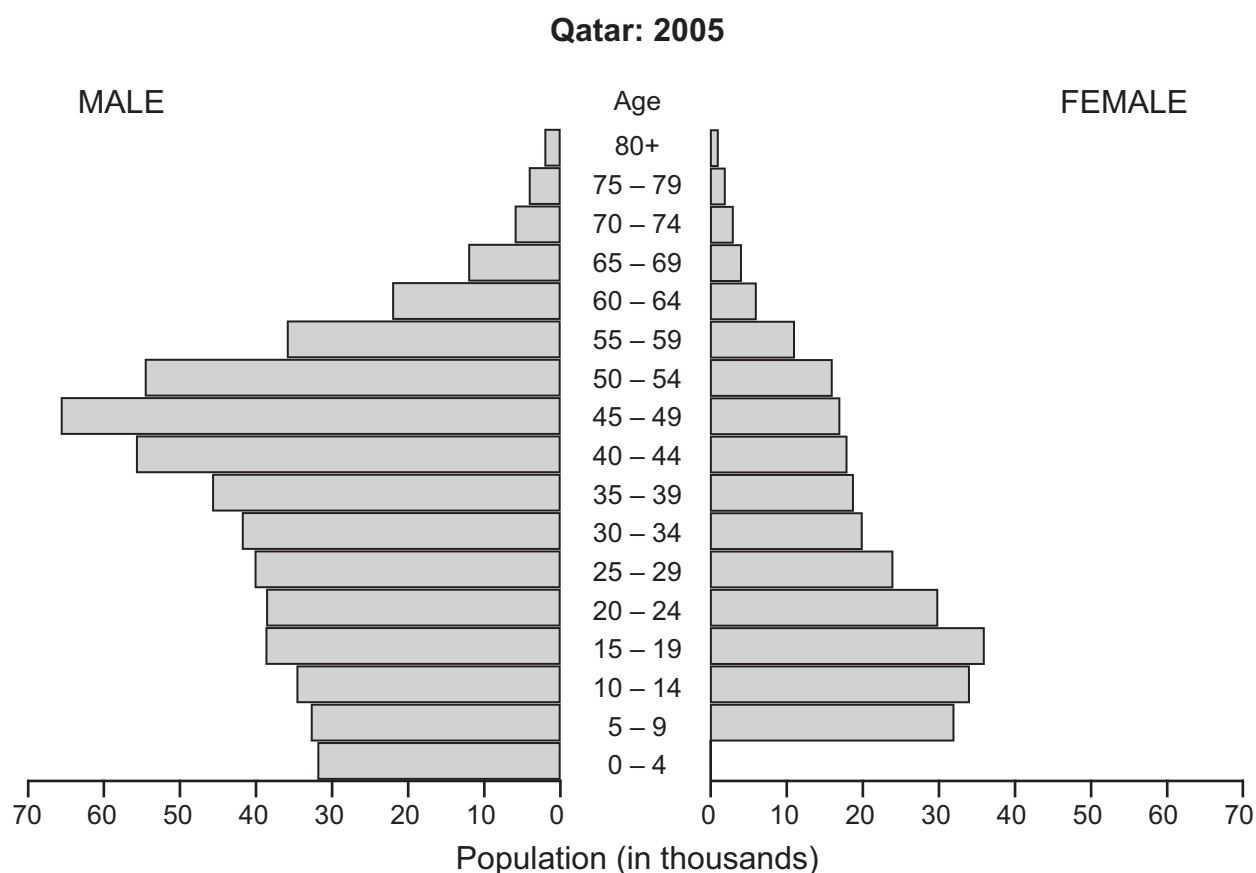


Figure 1(b)

Complete Figure 1(b) by plotting the following information:

Females 0 – 4: **32 thousand**.

(1)

(iv) Compare the population pyramid for 1990 (Figure 1(a)) with that for 2005 (Figure 1(b)).

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(4)



(b) Study Figure 1(c), which is an advertisement for the Pearl-Qatar, an artificial island.



Figure 1(c)

Suggest why the Pearl-Qatar is being built.

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(4)

- (c) Some students investigated opinions about the Pearl-Qatar. Figure 1(d) shows the results of their questionnaire.

Date of questionnaire: 02/04/09
Location of questionnaire: a shopping mall in Doha
Number of people answering questionnaire: 20

Statement	Strongly agree %	Agree %	Don't know %	Disagree %	Strongly disagree %
1. The Pearl-Qatar development will have a positive effect on Qatar's economy	70	10	15	5	0
2. The Pearl-Qatar development will be a popular tourist destination	85	5	5	5	0
3. The Pearl-Qatar development will result in less people using the services in central Doha	20	30	10	15	25
4. The Pearl-Qatar development will only provide homes for wealthy people	20	25	5	45	5
5. The Pearl-Qatar development will have a negative environmental impact	30	20	10	20	20

Figure 1(d)

- (i) Use the information for Statement 5 in Figure 1(d) to complete and label Figure 1(e).

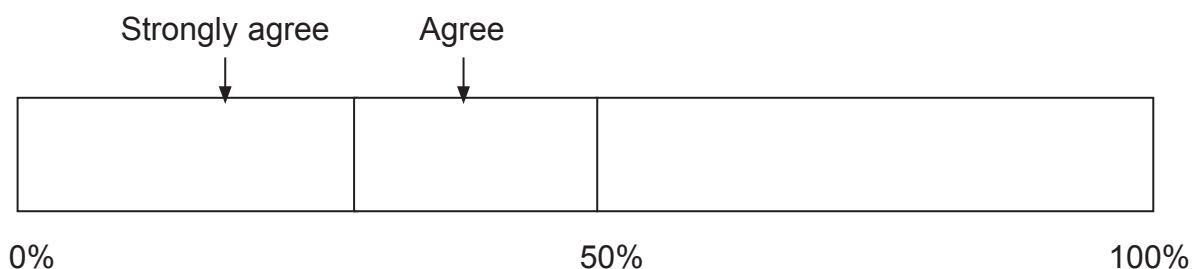


Figure 1(e)

(2)



(ii) The students reached the conclusion that the completed Pearl-Qatar will offer more opportunities than disadvantages. Do you agree with this conclusion? Give your reasons.

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(7)

Q1

(Total 20 marks)



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2. Study Figure 2(a) which shows part of the River Conwy valley in Wales.

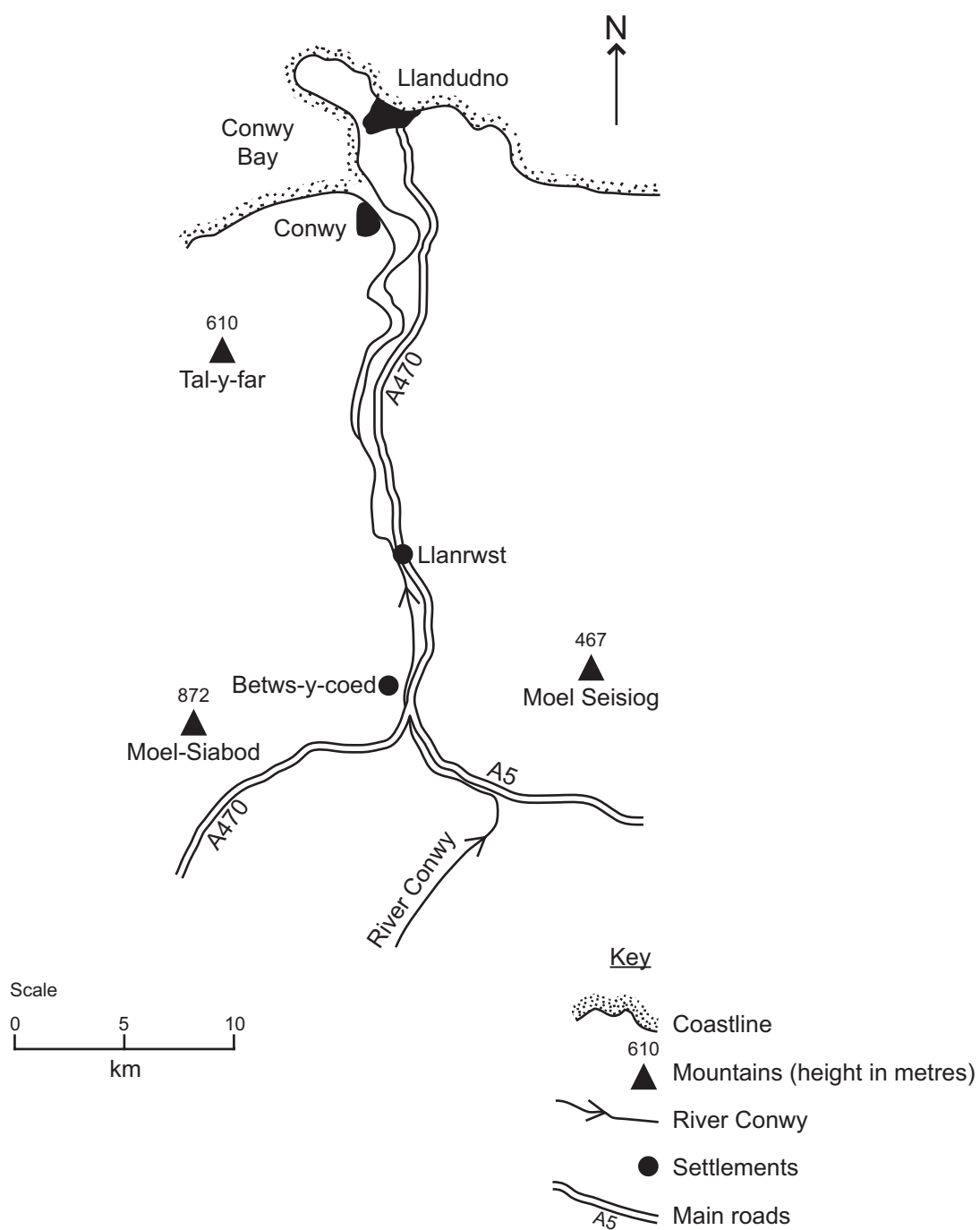


Figure 2(a)

- (a) Using information from Figure 2(a), choose the correct words from the box below to complete the following sentences.

Conwy	A5	north	lowest	south	15
Llandudno		highest	A470	30	

The river Conwy flows north to reach the sea at

A main road, the has been built parallel to much of the

River Conwy valley. The market town of Llanrwst is situated in the Conwy valley

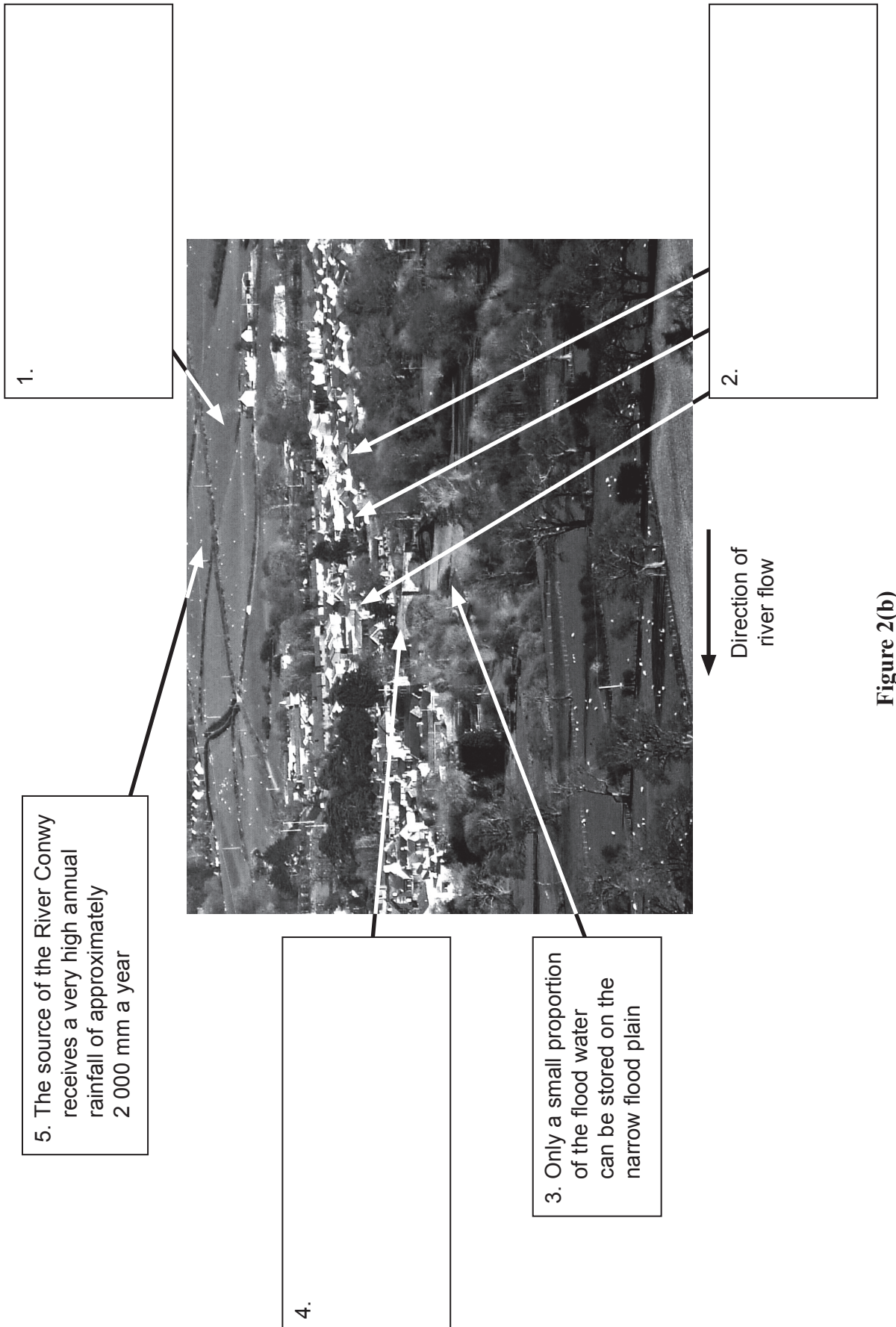
approximately kilometres south of the river's estuary.

Moel-Siabod is the mountain in the area.

(4)



(b) Figure 2(b) is a photograph of Llanrwst. The photograph has been partly annotated to indicate factors contributing to flooding in this area.



Complete boxes 1, 2 and 4 on Figure 2(b) to **explain** how **each** contributes to the flood risk.

(6)

(c) Study Figure 2(c) which gives information about rainfall and the River Conwy's discharge at Llanrwst in February 2004.

Date	10/02	10/02	10/02	11/02	11/02	11/02	11/02	11/02
Time	1200	1600	2000	0000	0400	0800	1200	1600
Rainfall (mm)	1.5	6	4	5	3	1.5	0	0
River discharge (cumeecs)	50	75	300	500	450	300	200	100

Figure 2(c)

(i) Use information in Figure 2(c) to complete Figure 2(d) by:

1. plotting the figures shown in **bold**
2. labelling the x axis.

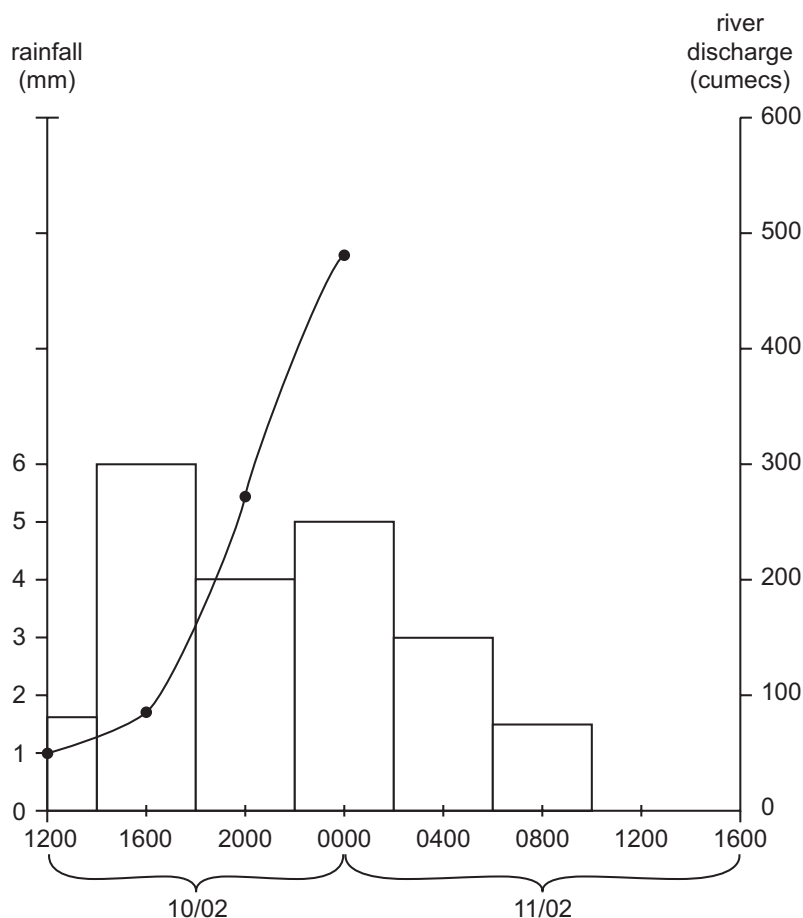


Figure 2(d)

(4)



- (ii) Describe and explain the relationship between rainfall and river discharge as shown by your completed Figure 2(d).

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(6)

Q2

(Total 20 marks)



3. Use your own experience of ONE fieldwork investigation to answer this question.

Write the title of your investigation.

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(a) State **two** aims of your fieldwork investigation.

Aim 1

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Aim 2

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(2)

(b) (i) Describe the data you collected for **each** of your aims.

Aim 1

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Aim 2

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(4)



(ii) How did you make sure that the data you collected was as accurate and as unbiased as possible?

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(6)



(c) (i) Sketch **one** of the diagrams you used to present some of your data.

(3)

(ii) Describe the advantages of using this type of diagram to present data.

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(3)

(d) Suggest what additional information you might have collected in order to improve your investigation.

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(2)

Q3

(Total 20 marks)

TOTAL FOR PAPER: 60 MARKS

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