

Answer ALL the questions.

1. A student investigated the impact of tourists on sand dunes at Studland in Dorset (United Kingdom). These sand dunes are part of a fragile environment.

Study Figure 1(a), a page from the student's fieldwork notebook.

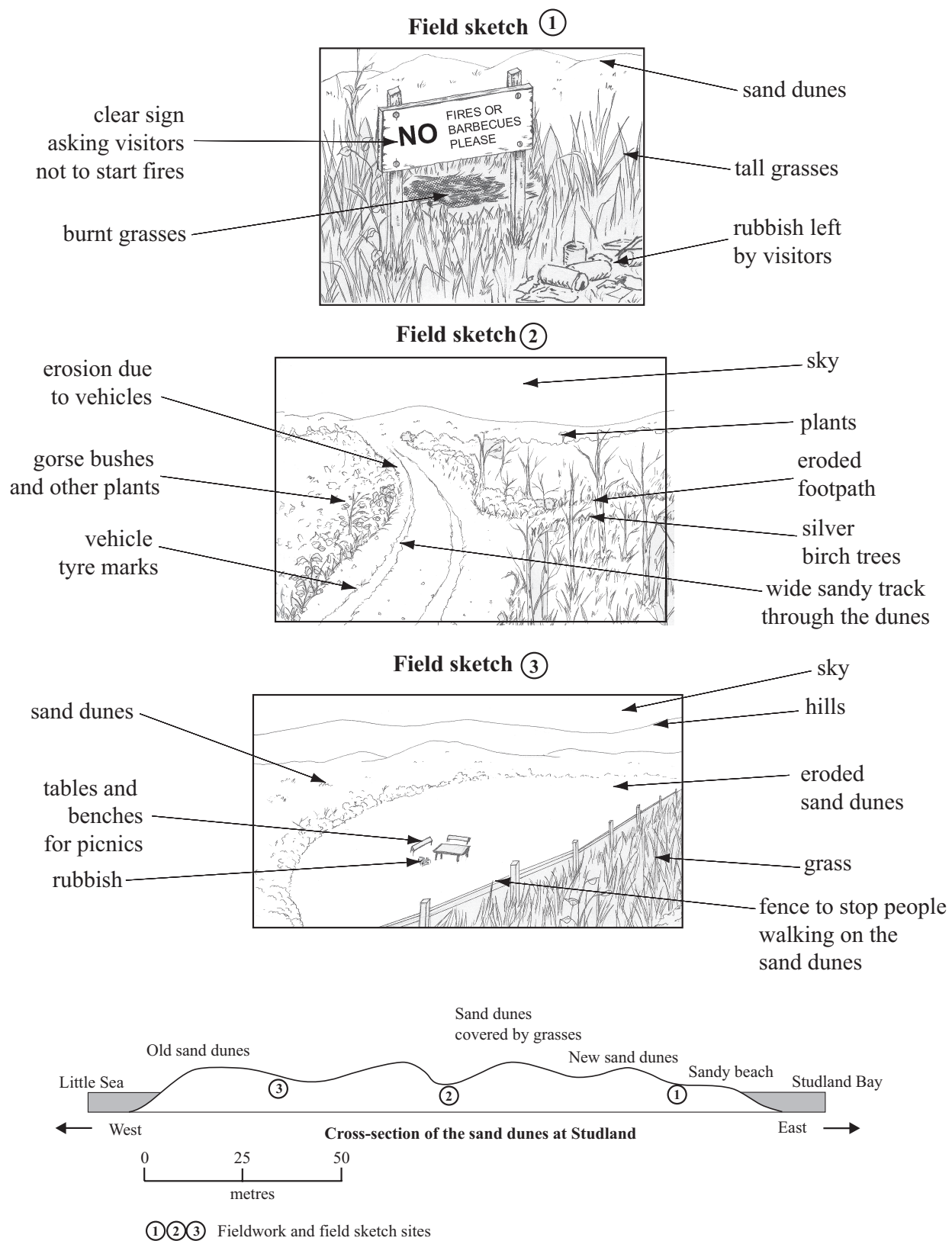


Figure 1(a)



Leave
blank

(a) (i) Which fieldwork site is nearest to Studland Bay?

..... (1)

(ii) Which fieldwork site is furthest west?

..... (1)

(iii) Which fieldwork site is about 30 metres from Little Sea?

..... (1)

(iv) Describe how Sites 2 and 3 have been damaged by human activity.

Site 2

.....
.....
.....
.....
.....

Site 3

.....
.....
.....
.....
.....

(4)

(v) What is being done at Site 1 to reduce damage to the sand dunes?

.....
.....
.....

(1)



(vi) How effective is this management?

.....

(1)

(b) The student carried out an environmental survey at each of the three fieldwork sites. The results for Site 1 are shown in Figure 1(b) below.

	Score						
Positive features	+2	+1	0	-1	-2	Negative features	Score
Quiet				/		Noisy	-1
No rubbish					/	Lots of rubbish	-2
No burnt grass/plants					/	Burnt grass/plants	-2
No erosion				/		Lots of erosion	-1
						Total environmental score	-6

Figure 1(b)

(i) Use the numbers from Figure 1(b) (score column) to complete Figure 1(c).

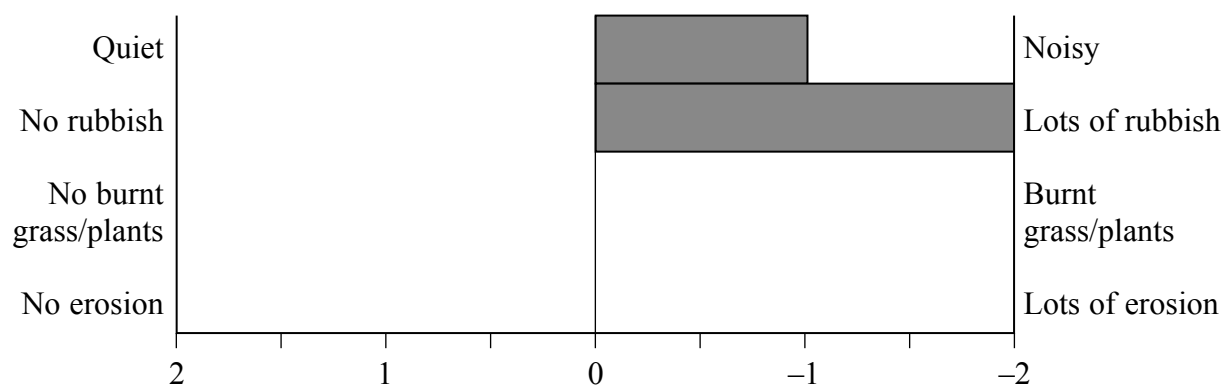


Figure 1(c)

(2)



Leave blank

(ii) The student put the total scores for each site in a table (Figure 1(d) below).

Site Number	Total environmental score	Distance from Studland Bay (East)
1	-6	20 metres
2	2	75 metres
3	-7	125 metres

Figure 1(d)

Use the data from Figures 1(a) and (d) to complete Figure 1(e). The information for Site 1 has already been plotted.

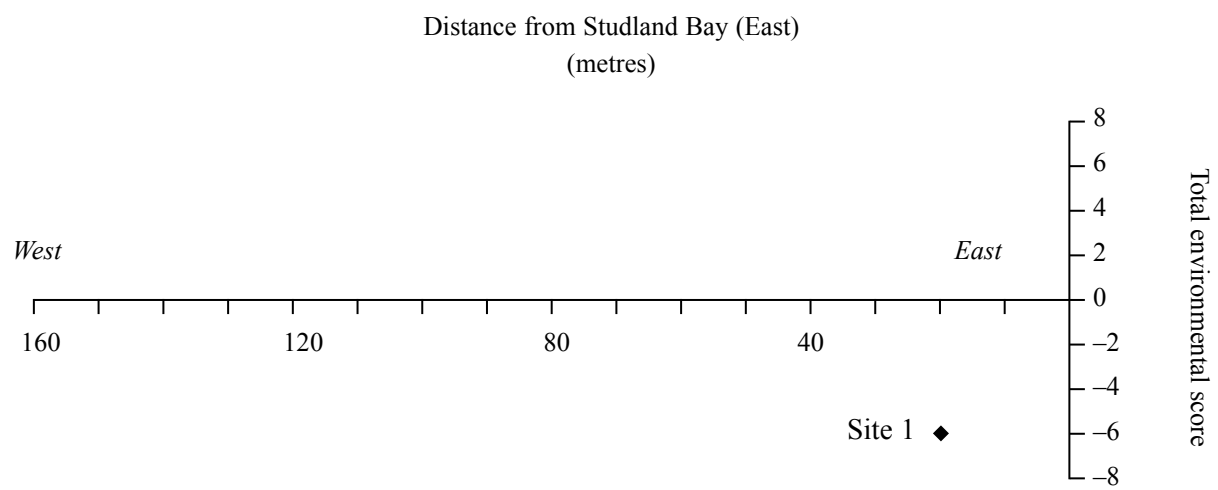


Figure 1(e)

(2)





(c) What conclusions might the student make about change in the environmental quality of the sand dunes with increasing distance from Studland Bay? Use evidence from the diagrams and graphs to support your answer.

Leave
blank

.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....

(7)

(Total 20 marks)

Q1

--	--



2. Study Figure 2(a) which is a map of Egypt.

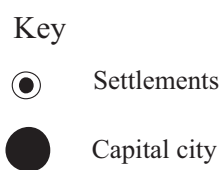
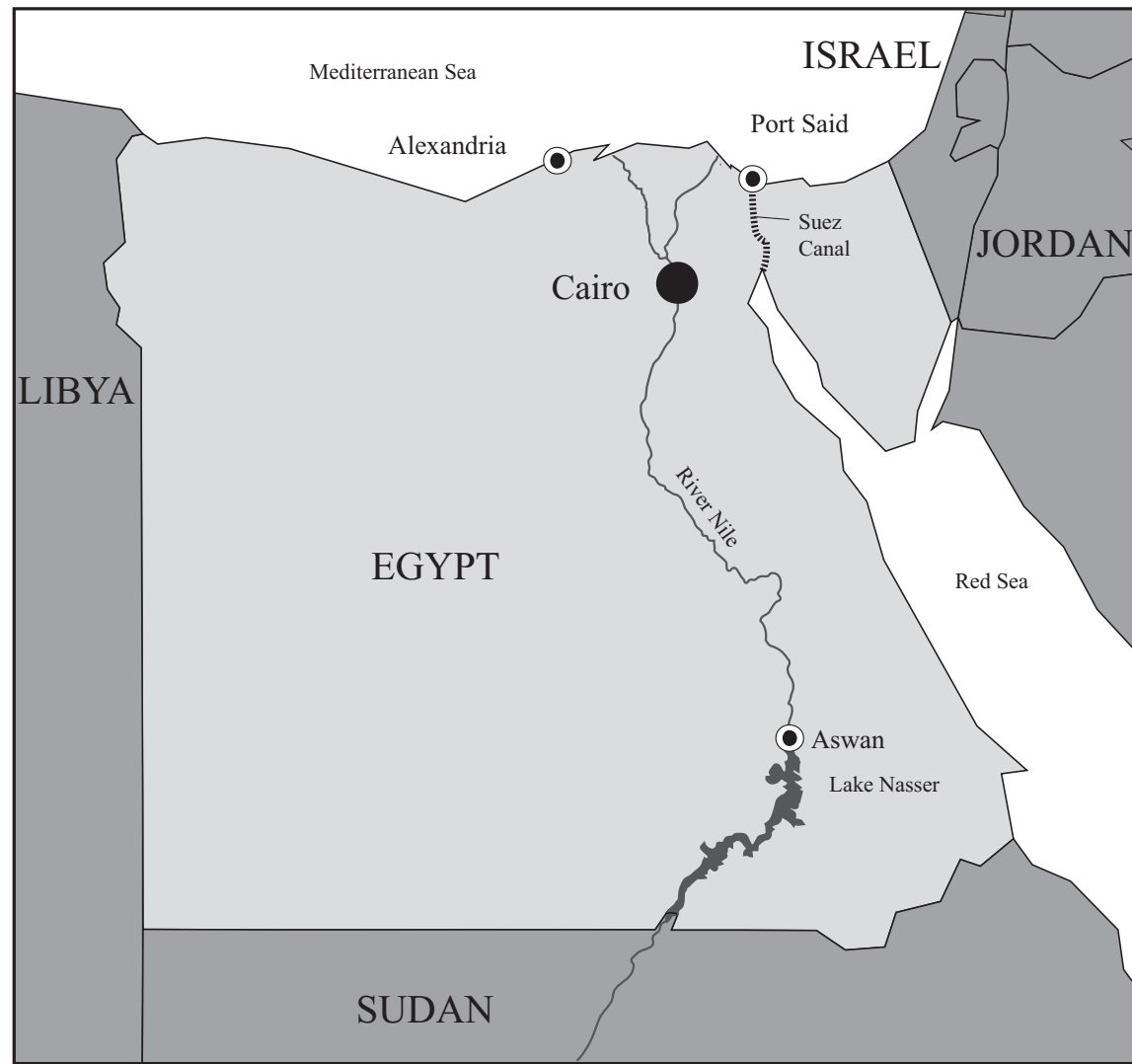


Figure 2(a)

(a) Use information from Figure 2(a) to complete the following sentences:

The River Nile flows in a direction into the Mediterranean Sea. The capital of Egypt,, is situated on this river. A large lake called is located near the boundary of Egypt and This lake is approximately kilometres long.

(5)



(b) Some students investigated international migration to Cairo. Their questionnaire results are shown in Figure 2(b) below.

	Reason	Number of answers
Why did you move to Cairo?	• Employment	14
	• Better quality of life	10
	• To escape war/ racial problems	16
	Name of country	Number of people
Which country have you come from?	• Sudan (LEDC)	10
	• Uganda (LEDC)	8
	• Australia (MEDC)	4
	• Canada (MEDC)	6
	• United Kingdom (MEDC)	6
	• United States of America (MEDC)	6

(MEDC = more economically developed country. LEDC = less economically developed country)

Figure 2(b)

Study Figure 2(b) and put a cross (☒) in the correct box for each of the following statements.

(i) 16 people migrated to Cairo to escape war or racial problems.

True	False
<input checked="" type="checkbox"/>	<input type="checkbox"/>

(1)

(ii) More people migrated to Cairo from LEDCs than MEDCs.

True	False
<input checked="" type="checkbox"/>	<input type="checkbox"/>

(1)



(c) One student constructed a flow map (Figure 2(c) below) to show the movement of people to Cairo.

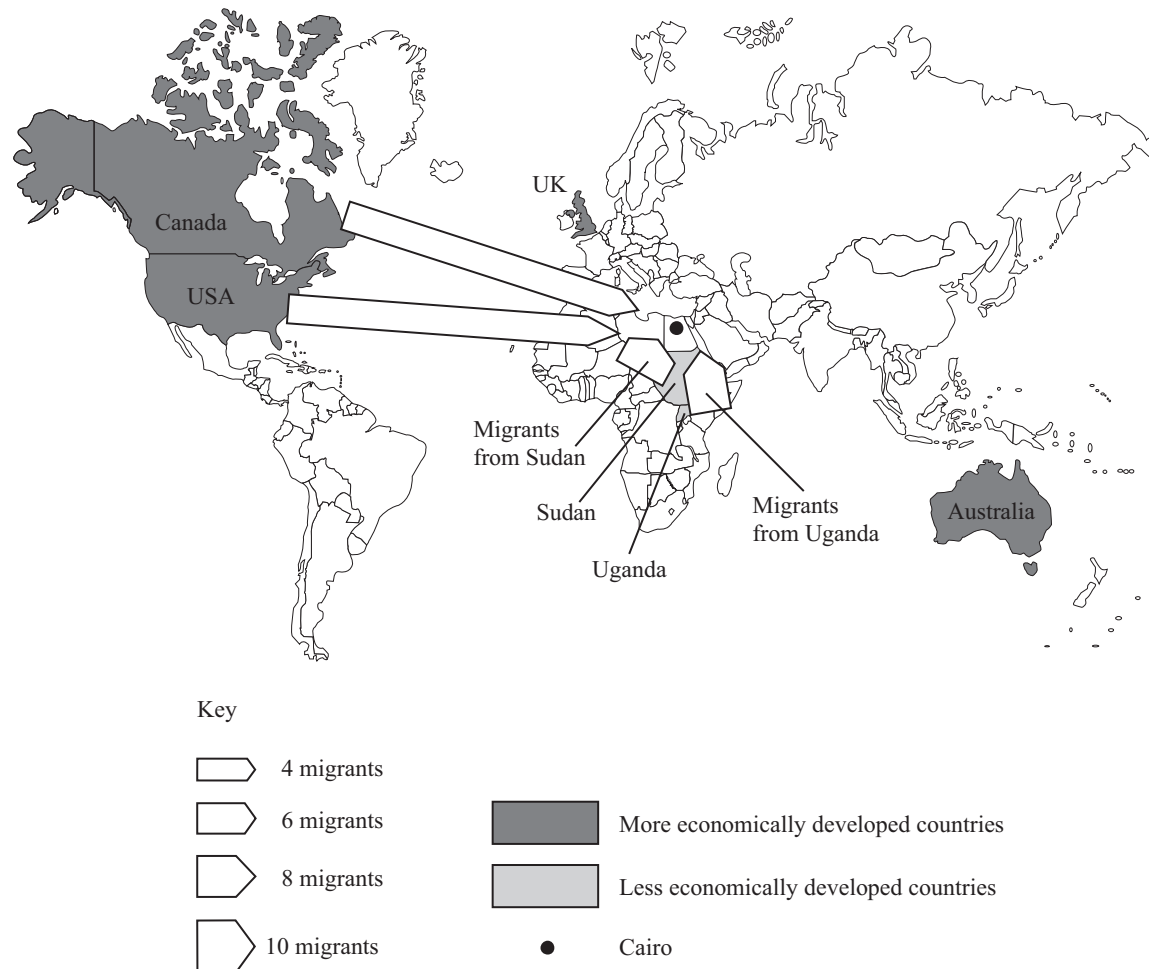


Figure 2(c)

(i) Use information in Figure 2(b) to complete Figure 2(c) by plotting the flow arrows from Australia and the United Kingdom (UK). (4)

(ii) Describe the pattern of immigration shown on your completed flow map (Figure 2(c)).

.....

.....

.....

.....

.....

.....

.....

(3)



Leave
blank

(d) The student concluded that:

1. the majority of immigrants moved to Cairo either for work or to improve their standard of living
2. most of these immigrants travelled only short distances from nearby LEDCs.

Do you agree with the student's conclusions? Give your reasons.

.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....

(6)

Q2

(Total 20 marks)



Leave
blank

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

(a) (i) What was the title of your fieldwork investigation?

.....
.....

(1)

(ii) What was your main aim?

.....
.....
.....

(1)

(b) What data did you plan to collect?

.....
.....
.....
.....
.....
.....
.....
.....
.....

(3)





(c) Describe the equipment and the sampling techniques used to collect your data. You may include diagrams as part of your answer.

Leave blank

Equipment

.....

.....

.....

.....

.....

.....

.....

.....





<p>Sampling techniques</p> <p>.....</p> <p>.....</p> <p>.....</p> <p>.....</p> <p>.....</p> <p>.....</p> <p>.....</p>	<p>Leave blank</p>
---	--------------------



(6)



M 2 5 7 4 0 A 0 1 3 1 6



Leave
blank

(d) Explain why you chose **either** the equipment **or** the sampling techniques you have described in (c).

.....

.....

.....

.....

.....

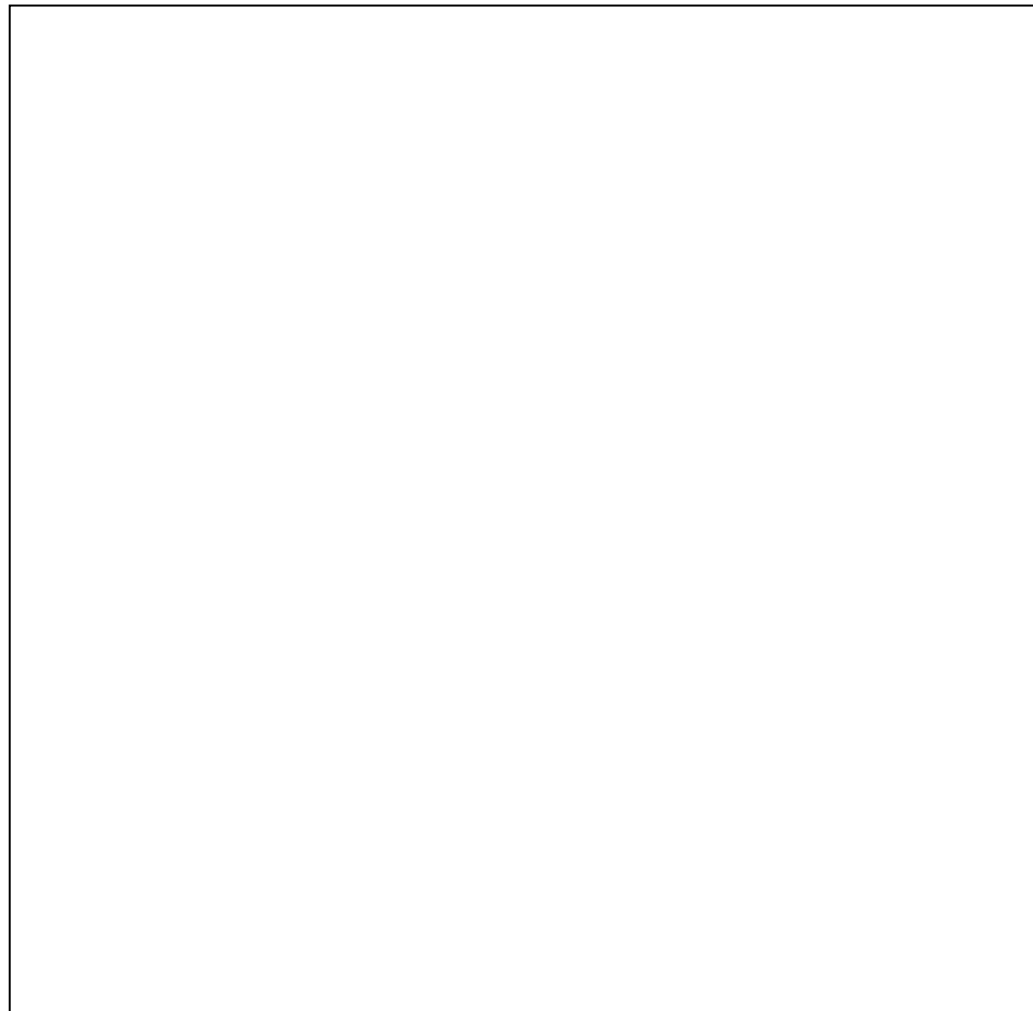
.....

.....

.....

(3)

(e) (i) Draw a sketch of one method you used to present your data.



(3)



(ii) Why did you choose this method to present your data?

.....

.....

.....

.....

.....

.....

.....

.....

.....

(3)

(Total 20 marks)

Leave
blank

Q3

TOTAL FOR PAPER: 60 MARKS

END



BLANK PAGE

