

Annual Examinations for Middle Schools 2024

YEAR 8

**INTEGRATED SCIENCE
(Fieldwork Question)**

TIME: 15 minutes

Name: _____

Class: _____

1. Look at the photos below. These are different habitats found on the Maltese islands.



- a. Use the words in the box to label the habitats. You can use these words once, more than once or not at all.

garigue, maquis, woodland, coastal, salt marshes, sand dunes

A: _____

1

B: _____

1

C: _____

1

D: _____

1

- b. During their fieldwork, a group of students wished to check the population of wild daisies in a large field. They threw the quadrat 5 times and counted the daisies. The table shows the results obtained.

Quadrat throw	Number of daisies
1	10
2	5
3	8
4	11
5	4

- i. Explain how you can use the data collected to estimate how many daisies are present in the field.

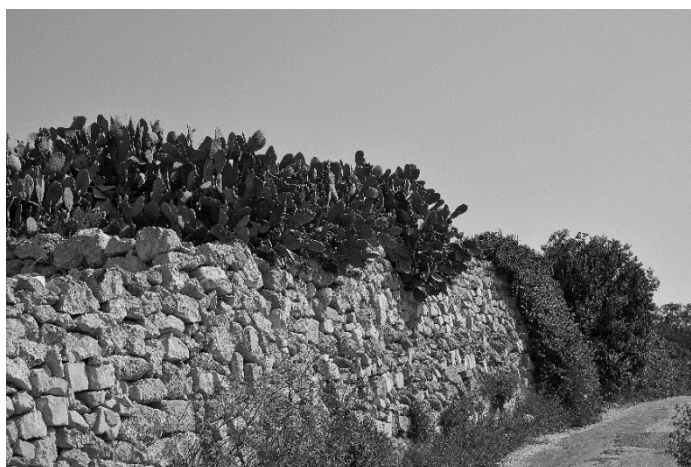
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- ii. The students cannot use the quadrat method to count the population of butterflies. Explain why.

1

- c. The students also studied a rubble wall during their fieldwork.

List **TWO** reasons why rubble walls are environmentally important and should be protected.



- i.

- ii.

1

1

- d. For many years, farmers also used the prickly pear plant in the fields. Prickly pear is an alien species. Explain what the term 'alien species' means.

1

(Total: 10 marks)

END OF QUESTION. CHECK YOUR WORK AGAIN.