Learner's name _____

Biology
553/2
(*Theory*)
November
2 Hrs.

KAMTEC EXAMINATIONS BOARD
Uganda Lower Secondary Examinations
S.3 End of Year 2023
BIOLOGY
Practical
2hours

Instructions

- Attempt all items.
- Responses must be written in spaces provided.

Item 1

A farmer would like to buy land to plant beans on a large scale for sale. A land broker has suggested to her two plots for her to make a better choice.
You are provided with soil **samples A** and sample **B** which have been collected from the two plots of land.

Task

Carry out a scientific investigation on the soil samples and recommend to the farmer the best plot to choose.

Item 2

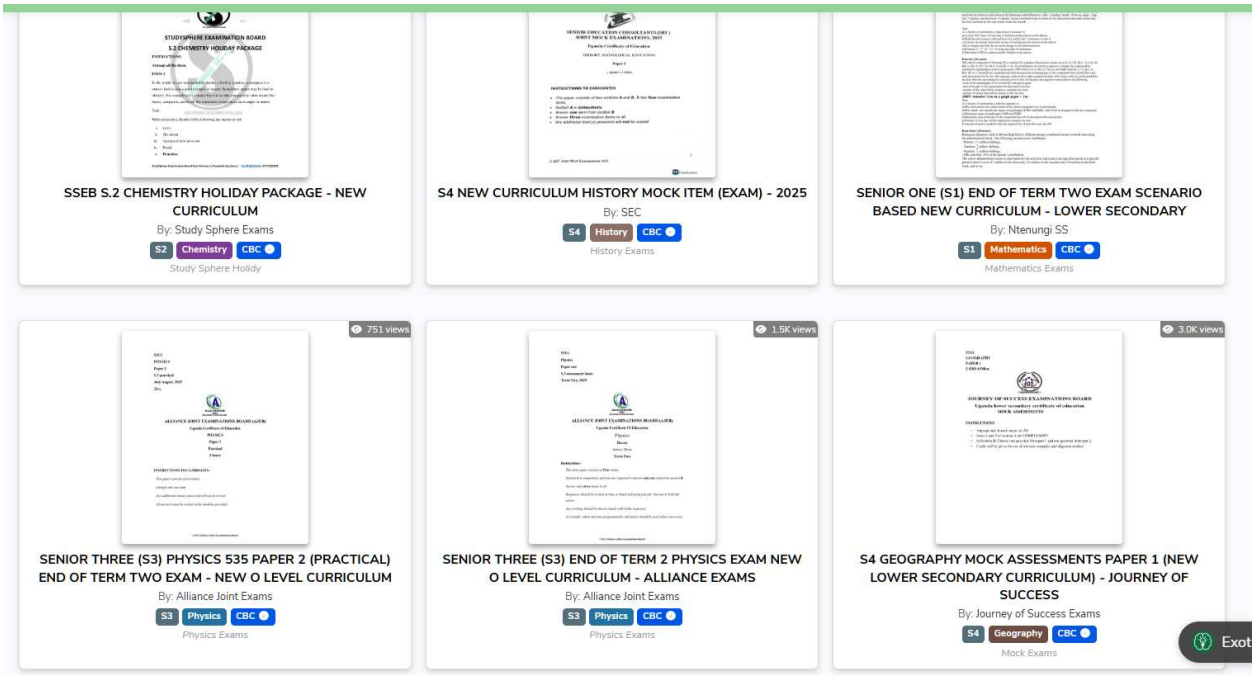
Although many insects destroy plants and leads to poor yields, some are beneficial to farmers and they improve the crop yield. Tomato farmers have therefore advised to use selective insecticides in their gardens mostly during the flowering stage, however some lack knowledge of which insect to be targeted by the selective insecticide.
You are provided with **specimens O**, **P** and **Q** which are usually found in gardens.

Task

(a) Describe adaptations of the beneficial specimen to its role in the garden, construct a dichotomous key to identify the specimens and explain to the farmers which specimens to be targeted.
(b). Draw and label the hind limb of beneficial specimen.

END

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