Candidates' Name:	•••••	•••••	•••••	•••••	•••••	•••••	• • • • • • • • • • • • • • • • • • • •	
Signature:		Ra	ndom 1	No.		Per	rsonal l	No.
- 								

(Do not write your school / Center name or Number anywhere on this booklet)

553/2

BIOLOGY Paper 2 July / Aug 2024 2 ½ HOURS



KAMTEC EXAMINATIONS BOARD

Uganda Certificate Of Education

BIOLOGY

Paper 2

TIME: 2 hours 30 minutes

INSTRUCTIONS TO CANDIDATES

This paper consists of **two** examination items. Answer **all** the items in the spaces provided.

Drawings should be made in the spaces provided. Use **sharp pencils** for your drawings. Coloured pencils or crayons should **not** be used.

No additional sheets of writing paper are to be inserted in the booklet.

Work on additional sheets will **not** be scored.

ITEM	SCORE(S)	EXAMINER'S SIGNATURE
	, ,	
Item 1		
Item 2		
Total		

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. Her bean variety does not grow well in extremely water-logged soils.

You are provided with soil samples $\bf A$ and $\bf B$ which have been obtained from the two plots of land.

Task		
Design and conduction suitable recommend	a scientific investigation on the soil samples and suggest a ation to the farmer.	

Item 2

Although many insects destroy plants and leads to poor yields, some are beneficial to farmers by improving crop yield. Tomato farmers are advised to use selective insecticides in their gardens mostly during the flowering stage, however some lack knowledge on which insects to be targeted by selective insecticides.

You are provided with specimens \mathbf{O} , \mathbf{P} and \mathbf{Q} which are usually found in gardens.

) Construct	a dichotoi	nous key	to identii	y the spec	illiciis.			
Explain th	e suitabili	ty of the l	beneficial	specimen	to its ro	ole in the §	garden.	
Explain th	e suitabili	ty of the l	beneficial	specimer	ı to its ro	ole in the g	garden.	
Explain th	e suitabili	ty of the l	beneficial	specimen	ı to its ro	ole in the g	garden.	
Explain th	e suitabili	ty of the l	beneficial	specimen	ı to its ro	ole in the ş	garden.	
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Explain th	e suitabili	ty of the l	beneficial	specimen	ı to its ro	ole in the g	garden.	
Explain th	e suitabili	ty of the l	beneficial	specimen	ı to its ro	ole in the g	garden.	
Explain th	e suitabili	ty of the l	beneficial	specimen	to its ro	ole in the g	garden.	
) Explain th	e suitabili	ty of the l	beneficial	specimen	to its ro	ole in the g	garden.	

(c). Draw and label the hind limb of beneficial specimen.

END