Candidate's name:	Signature
School:	Personal No
553/2 BIOLOGY	

553/2 BIOLOGY (Practical) Paper 2 Jul./Aug. 2025 2 1/2



# SENIOR EDUCATION CONSULTANTS (SEC) JOINT MOCK EXAMINATIONS, 2025

Uganda Certificate of Education

BIOLOGY (Practical)

Paper 2

2 hours 30 minutes

### INSTRUCTIONS TO CANDIDATES:

- This paper consists of two examination items. Answer all the examination 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 of paper will not be scored

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#### Item 1

James grows tomato seedlings in two different nursery beds A and B. He waters his tomato seedlings using rain water that he harvests from his house. Recently, a dry spell set in which caused his water tanks to dry. He then picked water from two different swamps which he used to irrigate his plants in the nursery beds separately. James realized that using water from the Eastern swamp caused the plants in nursery bed A to droop shortly after irrigation, while water from the Western swamp made plants in nursery bed B become healthier. This left James wondering what caused the plants to behave like this You are provided with specimen R with similar tissues as tomato plants grown by James and water samples M and N from different swamps.

#### Task

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SEC Joint Muck Examinations 2025

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## Item 2

Mick owned a lovely animal that was healthy. As Mick was transporting his animal to an exhibition to showcase its skills, they got in an accident that severely hurt the animal's head. From that time, the animal feeds with difficulty. A veterinary doctor discovered that some of the animal's teeth were injured and suggested specimens O and P to replace the affected teeth.

Tasks:

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(b) Draw and label the specimen responsible for crushing bones in Mick's animal

**END** 

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