

Name:.....

Signature:.....School:.....

553/2
BIOLOGY
Paper 2
2024
2½ hours

DIOCESE OF KIGEZI



CHURCH OF UGANDA

Uganda Certificate of Education

BIOLOGY

Paper 2&3

Practical

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.

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Turn Over

Item 1

Mr. Kawalya is a 60 year old man who has been experiencing difficulty in breathing. On consulting in the hospital, the doctor told him that the difficulty in breathing is as a result of lack of an essential nutrient in his diet. Food samples K and L are some of the nutrients Mr. Kawalya feeds on. Mr. Kawalya is stuck on how to select the nutrient that would help him solve his health problem.

Task

Carry out investigations on the food samples K and L and use your findings do advise Mr. Kawalya accordingly.

[illegible]

[illegible]

Item 2

Mr. Amoti has two poultry houses next to each other. In one morning, he opened up the first poultry house and found many of the chicks dead. Specimens R and S are some of the organisms he found inside the poultry house. Mr. Amoti is now worried that the next poultry house may also become attacked.

Task

- (a) Giving reasons, classify the specimen that caused the damage, into its phylum and class.

- (b) Explain to Mr. Amoti how the organisms in (a) was able to enter the poultry house and cause the damage.

(c) Draw and label one hind limb of specimen S.

END