

UGANDA ADVANCED CERTIFICATE OF EDUCATION

S.5 HISTOLOGY ASSESMENT 2025

TIME 2 HOURS

NAME.....SIGN.....

Item 1

Mrs. Grace planted her cassava, towards flowering the cassava plants were affected by the friend's goats which ate the stem barks and made them to fall down .This resulted into low yields towards harvest.

Task

As a biology student;

- (I identify the tissues which were affected.
- ii) Briefly explain the affected structure of tissues in the bark of the cassava plant.
- iii) How are the tissues in (ii) adopted to perform their function?

Item 2

A boda boda man was riding a motorcycle, he accidently fallen down and broken his leg, it was found that the long born was damaged in his leg, on further analyses the external ear was also injured resulting into bleeding.

Task

- a) Identify the type of tissues that were affected.
- b) Outline the examples of tissues in (a) above.
- C) Explain the structure of the long bone that was injured.
- d) Suggest the difference between the tissues in the external ear and those in long bone.

Item 3

During the competition , Ronald involved in the vigorous activity , unfortunately the playground was near the murrum road where he could inhale some dust particles. This later he was surprised to find having no flue as he expected. on analysis he thought that the cilia in his nose prevented entry of dust into his nose.

Task

- i) Help Ronald to understand the distribution of the cilia as described in scenario
- ii) Explain the structural adaptation of different epithelia tissues in Ronalds body besides those in scenario

“The biggest mistake in life is to think we still have time.”

By TR. MUSINGUZI IBRAHIM

0759514302/0765821032