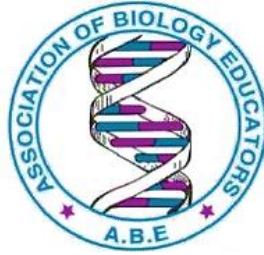


Learner's name _____

553/1
BIOLOGY
(Theory)
Paper 1
Nov-2023
1Hours.



**Uganda Lower Secondary Certificate of Education
End of Year Examinations 2023
Senior THREE
(Theory)
2 Hours.**

INSTRUCTIONS TO LEARNERS

Respond to all items

Responses must be written in the space provided only.

Item 1.

Crop growing is one of the major activities practiced by people living along the shores of L. Victoria. During heavy rains, a lot of water flows from the main land into the Lake and some remain logged in environment where people live. During this time, most people are reported with malaria, crops give low yields than expected.

Farmers in Kigezi highlands also face the same challenge of low yields during same season.

Task.

Explain the causes leading to challenges in these areas and suggest possible solutions to overcome them. **(15 scores)**

Item 2.

Moses planted and mixed maize and bean crops on his plot along an extremely dusty road side. As a way of obtaining good yields, prepared his garden well, planted quality seeds in closely packed columns and rows, applied fertilizers, Sprayed to prevent any pests and removed weeds. He planted maize earlier and planted beans later after maize plants were already tall. His maize yielded poorly and beans remained stunted with no yields. He is nervous about the outcomes yet spent lot of money on the garden.

Task.

Help Moses understand the cause of the outcomes and advise how he can plant the same plants in the same garden in other seasons with minimal losses.

(15 scores)

Item 3

A 7 year old boy, developed the following symptoms: fluid retention and swollen distended abdomen, weak bones, low body weight, weak immune system and brown hair. Parents believe that his health condition is due to lack of appetite food. The doctor advised them to change child's diet, however they are confused on how to manage the diet of the child.

Task:

Explain to the parents the cause of their boy's health status and advise them on how suitable diet would improve the for the boys' health. **(15 scores)**

Item 4.

A 60 year old woman has a neck lump (swelling), frequent back pain and poor vision. Doctors further revealed that she has porous bones in her back bone and Age-related long-sightedness. Her family members may manage her condition through diet. The family people lack correct plan and nature of diet to administer.

Task.

Explain cause for the old woman's health condition, suggest how a suitable diet and sight defect correction would manage her condition. (You may include sight defect correction diagrams in your response). **(15 scores)**

END

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