

EBENEZER SECONDARY AND VOCATIONAL SCHOOL
MUTUNGO

UGANDA NATIONAL LOWER SECONDARY
CURRICULUM

MID-TERM III EXAMS 2024

S.2 BIOLOGY PAPER 1

TIME 2 HOURS

NAME.....

SIGN.....

INSTRUCTIONS

ATTEMPT ALL ITEMS

SECTION A

ITEM 1

At the start of the season, the ministry of Agriculture, the ministry of Agriculture, under the parish model supplied a new variety of tomato species seeds to people of Yumbe district. The variety was well known for its high productivity and resistance to disease. Mr. Kaliba , one of the applied fertilizers and planted the seeds. After a month, Kaliba observed that most of the tomato plants either drooped their leaves or shed them off during hot days. Some of the tomato plants had yellow leaves. He eventually realized a very poor yield at the end of the season.

SUPPORT MATERIAL



TASK

- (a) Identify the challenge faced by the plants in the garden. (2 scores)

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- (b) Which processes in the tomato plants were affected? Explain how the effect on the processes led to the poor yields observed. (6 scores)

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- (c) How can Mr. Kidega improve his yields of the tomatoes next season? (2 scores)

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SECTION B

ITEM 2

Nansubuga Majorine a young senior one girl who lives in Kitale Entebbe and goes to Mentor High School Kitende in Entebbe. She usually denies her mum on visitation day because of her appearance and always claimed that she is a worker at their home and warned her before her friends at school on a certain visitation day, never to visit her again or else she will face something she would never regret. On her death bed, mum wrote to her a note that in brief Read, 'my daughter, your dad raped me and caused me to leave school. He fought hard to force me abort the pregnancy and I refused over and over again. He one day got a plier and plucked out my teeth one by one and warned to finish them all and after kill me had I resisted to abort . I ran from him and finally gave birth to a nice looking daughter which is you. Majorine got shocked!! And now she is studying to be a dentist. She has a photo of her mum before and after loss of her teeth and a model for a complete set of teeth in the normal adult, together with the dental formula showing the number of teeth in the upper and lower jaw.

SUPPORT MATERIAL



TASK

As a learner who is more knowledgeable in dental care,

Write a letter to Majorine addressing each of the following concepts she wants to understand better;

- (i) Simple advice on how one care for the teeth to prevent stigma like that mum Majorine was going through including the type of food that mum Majorine was no longer comfortable of eating after loss of some of her teeth.
- (ii) How to identify the different types of teeth in the human oral cavity basing on their features and function of each teeth type

- (iii) Using dental formula given to calculate the total number of teeth in the lower and upper jaw of the mouth and after calculate the total number of teeth in the human mouth.
(20scores)

Item 3

Sarah a 17- year old aspires to become a professional model and has been influenced by her friend's beliefs that supermodels achieve their slim figures by using diet pills. In order to achieve a body shape similar to those she admires on the television, Sarah has started avoiding meals at home and regularly takes diet pills coupled with intensive exercise routines.



TASK

Explain to sarah the health effects of her recent decisions, recommend a healthy diet and the nutrients in the diet that can contribute to her body's well-being (20 scores)

END

Yesterday's failures are today's seeds that must be diligently planted to be able to abundantly harvest tomorrow's success.