

a) State the

i) Kingdom.....

ii) Class.....

iii) Genus

iv) Species of the cassava plant.....

b) Describe how cassava mosaic is spread and the ways farmers in your community are preventing its spread and effects.

Item 3. Insects are diverse and play several vital roles in the life of other organisms. They share several structural features on their bodies some of which have made them to be the most successful organisms on Planet Earth.



a) State three similarities between the above three insects. (03marks)

b) Describe any two vital roles insects play in lives of other organisms.

c) Using observable features on the insects above construct a dichotomous key to identify the above insects. (04marks)

ITEM 4. Mr. Okumu is organizing a colorful silver jubilee celebration in marriage. He is looking for a competent person who can decorate his home compound 5 days before the occasion day. He is interested in mostly using natural plants which are as below. If you the competent person chosen.



Task: Which type and modes of reproduction would you use to beautify his compound? State the advantages and disadvantages of the type of reproduction chosen to use in beautification.

ITEM 5. Janet was moving with her mother to garden. They encountered different organism which were as in the figure below. Janet was an active growing child who had curiosity of finding out the names of these organisms.



a) If you were the mother with some knowledge of scientific classification, what could you tell this child beginning from kingdom to class?

b) What are the benefits of the first organism to the soil?

ITEM 6. Nakirijja, an S.1 biology student at Kabonera S.S. When they visited Lubigi swamp for a study tour, she stepped on a green slippery stone and fell into the stream. She shouted for help but her friend came late to rescue when she had drunk dirty water. A week later, she started feeling abdominal complications, fever, bloody stool and vomiting. Her mother was worried about her health conditions and rushed her to the hospital. The medical laboratory technician asked for her stool and urine and on examination, he saw the following structures under the microscope.



(a) Suggest how the different life supporting activities helped her to survive.

(b) As a student of biology, prepare a write up educating the mother of Nakirijja about her conditions and how it can be managed.

(c) Help her mother understand the nature of organisms on the rocks that caused her to slide into the stream.

ITEM 1. Members of a certain family in your neighbourhood have reported various challenges. The children are suffering from diarrhoea and typhoid, the mother with malaria and the maize crops have been destroyed by pests. Task.

a. Identify the harmful stages of organisms in the homestead.

b. Suggest possible ways of controlling each of the above harmful stages of the organisms.

END

HAPPY CHRISTMAS