**527/1**

**AGRICULTURE**

**PAPER 1**

**2hrs &30 MIN**

**Amahoro secondary school**

**SENIOR FOUR END OF TERM ONE EXAMINATIONS 2024**

**INSTRUCTIONS;**

.Answer all questions in section **A** on the answer sheets provided

.In section **B**, choose two questions and answer them on the answer sheets provided

.Answer **Four** examination items /questions in all.

**SECTION A**

**ITEM/QUESTION 1**

Having realized that students in a school have preferences for fruits like mango fruits, the Young Farmers Club decided to establish an orchard in the school farm. Some areas of the school farm are steep and rocky with shallow soils while other areas are gently sloping with deep, well drained and fairly fertile Soils. In the course of running the project, it was observed that the soils in the nursery were compact, sticky and flooded with water. The PH of the soil in the nursery is lower than the recommended range for fruit growing. The seedlings were thin, with shallow roots, bent stems, and yellow leaves.

**TASK;**

In your view, suggest the improvements that the Young Farmers Club should do to ensure profitable fruit production on the school farm.

**ITEM 2**

Last year 2023 in the month of December, maize farmers in most parts of Uganda experienced a good harvest .However, the price of dry maize seeds dropped to Uganda shillings 200. The farmers looked for alternative ways of earning from their maize crop but failed. They ended up storing the maize grain waiting for better prices. Unfortunately, due to lack of proper storage facilities, the grain deteriorated through rotting, resulting from attack by bacteria and fungi.

**TASK;**

Prepare a leaflet for presentation to the community on management of post-harvest losses in maize grains.

**SECTION B**

**ITEM 3**.

Learners of senior three in your school have different sources of income.

Some get money from their agriculture projects while others are given money to use by their parents and guardians. Tom is one of the students in this class who saves part of the money and injects it in the rabbit rearing enterprize where he has earned a lot of profits while most of the students use all the money to buy items like perfumes, wallets and goggles among others which makes their money to last for a few days.

**TASK;**

What benefits can Tom fetch regarding the use of the money which he is given.

**ITEM 4.**

Cattle rustling is a common problem among cattle keepers in areas of Karamoja and Teso sub regions. Various villages are raided and many animals that look alike are taken to unknown places. However, on some occasions, Uganda police recovers some animals and makes announcement on radio so that farmers come and take their animals upon providing proof of ownership. To the dismay of police, some fail to recognize their animals and others claim ownership of same animals as rightful owners and end up in disputes.

**TASK;**

As a technical person in livestock management practices, show what such farmers should do to ensure that they can provide proof of ownership of the animals before police.

**ITEM 5**

The government of Uganda has over the years encouraged agricultural zooning where particular types of crops are planted in specific areas regarding where they grow best and as such, cassava is much pronounced in northern Uganda as opposed to banana in central and western Uganda. Arabica coffee is also grown mostly in eastern Uganda and a few other mountainous areas as opposed to Arabica coffee in mostly central Uganda. When it comes to crops like maize, millet, sorghum and the like, they are grown almost everywhere in Uganda by farmers.

**TASK;**

Give reasons why farmers do not follow agricultural zooning when it comes to growing crops like maize, sorghum, millet and the like.

**ITEM 6.**

A farmer would like to prepare a 20% crude protein meal for his piglets using 53 % crude protein of maize bran and fish meal of 41% crude protein.

**TASK;**

In what proportions would he mix the ingredients to make a 200kg meal?

**GOOD LUCK BY SEMUVUBI JAMIL.**