

ASSHU BUSHENYI DISTRICT MOCK EXAMINATIONS 2025

Uganda Certificate of Education

AGRCULTURE

PAPER 1

(Theory)

2 hours 30 minutes

INSTRUCTIONS

The paper consists of two sections; A and B. it has six examination items.

Section A has two compulsory items.

Section B has two parts; I and II. Answer one item from each part.

Answers must be written on the answer sheets provided

Answer four items in all.

Any additional item(s) answered will not be scored

**SECTION A:
SOIL SCIENCE AND VALUE ADDITION**

Item 1

Kyera deals with Irish potato growing in Muko sub county. After harvesting, big and small sized tubers were packed together in the same sacks and taken to market. He put the sacks of tubers on a lorry and then passengers sat on them to the market. No sooner had he reached, than market prices for Irish tubers dropped sharply. He decided to borrow money to make chips from a village savings group. He was charged 50% interest per month since he is not a member. He ran to the commercial bank for rescue but was asked to come with the requirements for opening up a saving account. He does not know what to bring. The chips he made were of poor quality and were also rejected.

(Registered members are charged 2% interest per month.)

Task;

- Guide Mr Kyera on how he can produce good quality chips.
- Write a letter to Mr Kyera advising him on how he can gain highly from Irish potato project.

Item 2

Mr. Beda established a coffee plantation on a fairly flat piece of land that was given to him by his father with no document attached. His elder brother is claiming that this land belongs to him. The soils are always dry throughout. A small layer of surface soil is blown off by wind in form of dust. In the lower part of the land, water stagnates for almost a month before it dries. The soil sample testing shows that the soil has a pH of 12.

(Coffee grows well in slightly acidic soils)

Task; Advise Mr. Beda on how to improve on his soil for coffee production

SECTION B

PART I: ANIMAL PRODUCTION

Item 3

Abura bought 40 acres of land to rear beef animals. He bought his animals for stocking from nearby animal market. He keeps many animals on the farm beyond the pasture capacity to cater for the high demand for meat production. He divided his land into paddocks while using kie-apple plants. He constructed a number of water troughs on one side of the farm where animals always move for water. The Dip tank used to control ticks on the farm has walls that are developing cracks. He has a good number of bulls that are always fighting and harsh to the casual labourers. He harvests the elephant grass and serves it fresh to the animals the way he obtained from the pastureland. Most of the animals have long horns which make him transport a few numbers on his truck to the slaughter area. He slaughters his animals from the abattoir that has soiled pot holes. The hides have small meats and holes on them.

Task: You have been sent as an agricultural extension officer from your sub county to Abura's farm, what advice you would give him in order to benefit profitably from his project.

Item 4

Benz has reared rabbits for meat production for the last 5 years in village. He rears his rabbits using modernized hutches but recently he observed that after roofing, there was water passing through the roof of the hutch. The overhang put to control rain water from the hutch was too short. One sides of the hutch had a wire mesh with widely torn gaps. One of the hutches was placed on the ground because it was heavy to lift it up. His rabbits have long claws. He feeds them on fresh sweet potato vines always. The rabbits are always scratching themselves. The male rabbits always fight within the hutch. He slaughters his rabbits from a soiled ground using a knife that hardly cut through the neck.

Task; Advise Mr. Benz on how he can rear rabbits profitably

PART II CROP PRODUCTION

Item 5

Matatu grows tomatoes in Lukiri sub-county. He prepared the seedbed and left the active anthills in the garden. He bought ripe tomatoes, squeezed them to get seeds for drying. He planted tomato seeds directly in the planting holes in the main garden. He spaced the planting holes using the hoe handle. After one week, he observed that there were many seedlings per hole and wider gaps between planting holes. Some young tomato fruits had small holes on them. The plants looked healthy and bushy limiting light penetration. He harvests his tomatoes when they are very soft on touching. He throws them in a basket which is at distance during harvesting. He has fetched low profits from his project.

Task; Advise Mr. Matatu on how he can maximize profits from his project

Item 6

Nalongo grows climbing beans variety for commercial purposes. She cleared the bush using a slasher which could hardly cut the grass. She planted one seed per hole with hopes of getting high yields. After putting the seeds in the planting holes, he pressed firmly with the foot to the seeds. The beans were closely planted in rows. Some planting holes were observed with no seedlings after one week of germination. She carried out weeding of couch grass in the garden of beans by uprooting using hands. The beans' tendrils were crossing over each other creating a web. Some bean pods have brown powderish substances. She picked green pods for drying. He uprooted all the climbing bean plants when they still had flowers at their tops.

Task; Advise Nalongo on how she can increase her farm production.

END