EXODUS COLLEGE SCHOOL-WAKISO

END OF TERM II 2026 EXAMINATIONS

PRINCIPALS AND PRACTICES OF AGRICULTURE

P 515/2 (Theory)

Time: 2 HOURS 30 MINUTES

INSTRUCTIONS:

The paper consists of 6 examination items.

Answer both items in part A and only two from part B, including one from each Sections (I) and (11)

PART A:

ITEM 1

In Banda Community, farmers have recently heard on local radio discussions about Genetically Modified Crops and animals. Some community members believe genetic engineering only benefits foreigners. Others think it causes serious negative consequences, while a few believe that it can help crops develop resistance to pests, improve yields, and reduce losses caused by diseases. As an agriculture Consultant, you are invited to prepare information that can help the Community what genetic engineering is, its agricultural importance and negative consequences so that the community can make informed decisions.

Task:

Write an easy to educate the Community about genetic engineering in agriculture based on the issues raised above.

ITEM 2

A farmer attending an animal production training was advised that good reproduction in farm animals depend on proper functioning of the reproductive organs. The trainer emphasized that each part of the reproductive system has a

specific role. Some learners wanted to understand what each reproductive organ does in male and female animals.

TASK:

a) With the aid of a well labelled female reproductive system, help the learners to understand the role of each organ.

b) Explain to farmers why sometimes the reproductive rate of their animals is low.

PART B:

SECTION 1

ITEM 3

James planned to establish a cattle farm on land he bought through a hand-written agreement. The land is open, located near a trading center and bordered by maize crops on both sides. He marked the grazing land using natural boundaries and planned to organize paddocks later on. A fully closed cattle shelter was constructed only using iron sheets and positioned near the road. The structure was designed as a single open space with no designated areas for different classes of animals. No arrangement was made for waste disposal at the time of construction. Water and feed troughs went lacking in the animal shelter due to shortage of money.

Task:

Advise James on how to do the proper preparation and management of farm animals.

ITEM 4

Masakala is a farmer who decided to invest his capital in rabbit rearing for meat production. He rears rabbits using modernized hutches but he recently observed that there was entering of water through the roof. The overhang of the hutch was too short. One side of the hutch had a wire mesh with widely damaged holes. One of the hutches was placed on the ground. His rabbits developed long claws. Due to shortage of money, he decided to feed the rabbits on the sweet potato leaves throughout. The rabbits are always scratching themselves. James slaughtered some

of the rabbits on the bare soil which made some of his customers to stop buying meat from him.

TASK:

Advise James on how he can rear rabbits profitably.

SECTION 11

ITEM 5

Okello is a poultry farmer who wants to formulate a ration containing 32% of crude protein. Using rice bran which is 16% crude protein and Soya meal which 80% crude protein into 10 bags each containing 200kg.

TASK:

Help Okello to understand the quantity of rice bran and Soya meal to be used in the feed.

ITEM 6

Isaac keeps goats in a free ranged paddocks system near his home. The animals are identified by colour and size. When they are moved for counting, farmers by my boys chase them into a corner of the paddock and hold them by the legs. Some goats have over grown hooves and walk with difficulty. Burry ecto parasites in the night shelter and is removed occasionally when the space becomes limited. Vaccination is rarely done and when a goat dies, the carcass is dragged out of the paddock and left for dogs. Kids born during the rainy season are kept in the same enclosure with adult goats. Most of the he goats grow slowly regardless of feeding them on a balanced diet with proper health management.

Task: Advise Isaac on how to improve management of his goats to earn profits.

END