EXODUS COLLEGE SCHOOL –WAKISO

END OF TERM TWO EXAMINATIONS 2026

PRINCIPALS AND PRACTICES OF AGRICULTURE

S5 PRACTICAL PAPER

Time: 2 HOURS

Instructions

The paper consists two items

Attempt both items in spaces provided

ITEM ONE

Kamara is the dairy farmer rearing cattle for milk production as the main source of income. Kamara buys Commercial concentrates represented by solutions U and V for his lactating cows from two different suppliers. Recently, he has noticed that cows fed on one of the Concentrates become weak and even don't have enough energy to walk. Both Concentrates look similar in colour and texture, so he cannot tell which one contains the nutrients required for supporting and providing enough energy to the animals.

To avoid feeding his cows with nutritionally poor Concentrate, Kamara brings Samples of the two Concentrates (U and V) for analysis. Sample U represents Concentrates from Wokoma feed Store and Sample V represents Concentrates from Nnaki feeds Store.

Task:

Using specimens U and V provided, carry out a scientific investigation and use your findings to advise Kamara correctly.

2. Yellow man is a cattle farmer. On his farm, female calves were observed with potbellied stomachs, rough hair coat and some organisms were seen in the dung. The male calves on the farm showed none of the above issues highlighted, however, they experience a slow growth rate regardless of feeding them on a balanced diet (balanced ration) and proper health management. Mr yellow man invited an expert who advised him to use specimens K and L to address his challenges. However, Mr yellow man is not aware of how to apply and use the two specimens to solve his challenges.

Task:

Observe the specimens properly and develop logical manual instructions on how he can apply/use the two specimens to solve his challenge

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(b)From your observations, how are the specimens adapted to perform their functions?

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