**Name………………………………………………………………**

**553/1**

**BIOLOGY (Theory)**

**April/2024**

**2 HRS**

**Uganda Certificate of Education**

**End of term 1 2024 S1**

Biology

**Paper 1**

**2 hours**

**INSTRUCTIONS TO CANDIDATES:**

This paper consists of two sections; A and B. It has four examination items.

Section A has two compulsory items.

Section B has two items. Answer one item from each this section

Answer three items in all.

Answers to Section A must be written in the spaces provided while those of Section B must be written on the answer booklet(s) provided.

Any additional item(s) answered will not be scored.

SECTION A

Item 3.

A group of p.7 pupils from your neighboring school visit the school biology laboratory, they look at the wall and saw a chart consisting of different pictures of items lik**e liver, nerve cells, circulatory system, blood, muscle, red blood cells, excretory system, parenchyma, heart, roots, shoot and guard cells**. They got confuse and started arguing onto which items are found in plants and those found in animals, and what level of organization in organism do each item on the chart belong. You have been called and instructed by laboratory attendant as a senior one student who has studied about cells, and level of organization within organisms to explain this chart and makes these pupils clearly understand and stop this arguments.

Tasks

a) Help the pupils identify amongst the items on the chart which are those found in plants and animals. Summarise your speech(explanation) in form of atable ( 05 scores)

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b) Categorise to them clearly, which item(s) in the chart belongs to different level of organisation in an organisms ( 7 scores)

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Item 2

. A strange flying pest has attacked crop farms in KASANGATI. The pest destroys crops by injecting them with a fluid, which dries them up. Residents have suggested to form a team of specialists to fight the pest and its effects. Are interested in branches of biology that these specialised studied

a) help residents identify the branches of biology the specialist studied (3 scores)

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b) help them know the meaning of the branches of biology you have identified for them. (5 scores)

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**SECTION B( attempt one item in this section)**

Item 3

Kadapawo a former student of St John's SS went to a new school called SMB Brain Center SS. Unfortunately he was given an interview of Biology as a password for the next class. Among the questions which twisted his mind was about life processes in living organisms and their meanings.

Task.

a) After the interview Kadapawo approached you for help write for him the notes he can use to remember the question he was asked (10 scores)

b) help him relate also plants to animals in terms of life processes and show him it's very important to conserve plants. (10 scores)

Item 4.

There are very many species of organisms in our country Uganda of both plants and animals. These species are put into groups through using the knowledge of **classification** and each organism is given **scientific names** following the **rules** that were put forward by **Carl Linnaeus .** One of your colleagues saw this article in a news paper and is confused about it.

Task:

a)help him understand the whole article (10 scores)

b) Identify for him one place in your society where the process can be applied and how it is applied. (10 scores)

END