

Name:Stream: S.1

BIOLOGY

(THEORY)

NOVEMBER 2023

1 hour 30 minutes



KITANTE HILL SCHOOL

S.1 COMPETENCE BASED ASSESSMENT

END OF TERM III EXAMINATIONS 2023

BIOLOGY (THEORY)

1 hour 30 minutes

INSTRUCTIONS:

- *This paper consists of **nine** questions.*
- *Answer all questions in the spaces provided.*
- *Illustrations in form of drawings should be made where necessary, with a sharp **pencil**.*

1. Some girls are worried of contacting with HIV virus because they sleep with HIV infected members in the same dormitory. This is because their teacher told them that the female anopheles mosquito feeds on blood and therefore it goes on biting person to person while sleeping. Therefore, if it bites a HIV infected member and then bite another normal one, they are worried that the virus can be injected in the normal person. What can you write to remove this worry from them? **(2 scores)**

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2. A person had a fever, and headache and went for medical check up from a medical facility. the laboratory technician found out that his blood contained a higher number of white blood cells than normal. If you were a doctor and received these laboratory results, what would you explain to the patient for the possible cause of the fever and suggest the solution for his problem.

(2 scores)

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3. A market vendor bought Irish potatoes in a sack for sell. After some period of time, she found when some Irish potatoes had sprouted. i.e had grown young shoots on them. she was to inquisitive and interested in knowing how the young shoots developed. If you were close to her, what would you explain to her? **(2 scores)**

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3. Insects pests have become a problem to farmers in Dokolo village however some farmers lack the money to buy insecticides to control the insect pests. Which other alternatives can you give such farmers to control the insect pests. **(7 scores)**

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3. A teenage girl living with HIV and on treatment, has become pregnant by a teenage boy.

The teenagers have become the talk of the community.

a) What is the possible talk about the teenagers by the community? **(3 scores)**

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b) What challenges are faced by the teenagers from the talk? **(6 scores)**

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c) Suggest way forward to help the teenagers.

(6 scores)

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4. The government wants to set up a biological museum in your village. The museum shall contain preserved animals including some of the following animals., A Lizard, Rat, Octopus, Bee, Centipede, tick, Housefly, Crested crane, Frog, Newt, Snake, A Snail, hen, Scorpion and Rabbit.

a) You have been hired as a taxonomist to arrange the preserved animals in **groups** within sections/ shelves made on the wall of the building, in the best way that makes them more similar. In the space below, show how you would best arrange them and include the best appropriate group names.

(18 scores)

b) In case there comes a tourist to the museum who would like to easily identify some organisms by name and characteristics, draft a dichotomous key which would help him identify a Rat, Snake, Hen and Frog. **(4 scores)**

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