

NAME _____ SIGN _____

NAJJA EDUCATION CENTRE S.S.
END OF TERM III SUMMATIVE ASSESSMENT 2024
SENIOR ONE

Biology Theory (553/1)

Time: 2 hours

INSTRUCTIONS

- *Attempt all items in section A.*
- *Responses to items of section A should be written in the spaces provided.*
- *Choose two items from section B, one from each part.*
- *Responses to items of section B should be written on answer sheets provided.*
- *Present your responses neatly to avoid loss of marks.*

FOR EXAMINER'S USE ONLY

SECTION	ITEM	SCORES
A	1	
	2	
	3	
B		
TOTAL		

SECTION A

Attempt all items in this section

Item 1

A mango juice factory was established in your village. Your father gave you a piece of land to plant mango trees. Due to inadequate capital, you planted a poor mango variety. Upon flowering, a strong storm and wind blew off majority of the flowers and leaves were also hit. This would result in to poor harvest and reduced income.

Task

- a) Identify the processes which the storm and wind affected in the mango plantation.

- b) Explain how the damage by the storm and wind will lower the harvests from the garden.

- c) Suggest possible ways that can would be done to improve on the harvests.

Item 2

Yagwe left the suitcase open at home to visit his uncle in town. On returning and opening it, he found his notes books were eaten by rats. He got angry and decided to buy and rear a cat to reduce on the damage caused by rats. During the course of its lifetime, the young cat was accidentally knocked and broke the leg. Yagwe is now worried about the further effects of rats in the house.

Task

- a) Identify the life processes that the young cat has to go through until it could reduce the number of rats.

- b) Why Yagwe is worried about the damage of his property.

- c) Suggest ways Yagwe can do to overcome his challenges.

Item 3

Salma lives with a pregnant aunt who has HIV/AIDS. Salma does not engage in any sexual behaviour in the community. One day when she with her aunt to the health centre, she also decided to be tested for HIV, and she was found positive of AIDS. She is confused about how she contracted the virus and scared of how she will stay with the disease.

Task

- a) State the possible ways that Salma might have contracted the virus and which advise do you give her.

- b) Explain the features of HIV that enabled it to infect Salma from the aunt.

- c) Advice Salma's aunt on what she should do to avoid transmitting the HIV to the baby before and after delivery.

SECTION B

Attempt only two items from this section.

PART I

Attempt only one item from this part.

Item 4

Mukisa lives around a bushy area near a water stream. His neighbours are florists with some insects, and normally throw broken bottles after drinking alcohol. Mukisa saw people with various diseases in the area after which he decided to spray the area with a chemical that kills many insects. This would damage the variety of life around his place and reduce the productivity of the neighbours crops.



Task

- Identify all the possible diseases that are most likely to be experienced by village members.
- Explain why you would not support Mukisa to use the chemical.
- Mention the possible measures that Mukisa should use to avoid the spreading of diseases to his family.

Item 5

Wamala is a farmer living in a hilly village. He has grown only maize for the last eight years which do not tolerate shades and thus he cuts trees to allow them obtain enough light. Whenever he goes for farming with his cattle, the cattle severely eat grass on the hill. This is mostly likely to result in to dangerous effects to him.

Task

- a) Identify the possible challenges that Wamala might experience due to his farming practices.
- b) Explain how the challenges might harm his life in turn.
- c) Suggest what Wamala should do to minimize the effects and state the importance of conserving soil.

PART II***Attempt only one item from this part*****Item 6**

Annet woke up in the morning when hungry and weak. She ate uncovered food without taking water and rushed for lessons. After sometime, Annet felt energetic and alert thus understood well what was taught. At break time, she went in the toilet where she experienced some challenges during the long call. Due to the challenges, she missed the after break lessons. She does not want to miss more lessons due to the challenges faced.

Task

- a) Identify the body systems that worked together to enable Annet be energetic and understand in the class lessons.
- b) Explain how each system enabled Annet achieve her goals in class.
- c) State the challenges that Annet most likely to have experienced in the toilet and suggest possible measures to avoid her from missing other lessons.

Item 7

Bob and Tembo are good friends. Tembo takes alcohol, marijuana and tobacco near Bob while going to school. Whenever Bob reaches school after travelling with his friend, he feels some hardship in taking in air, which makes him weak and sleep in class. Bob's body also becomes unstable causing him to stagger. In the final examination, Bob performed poorly and was told to repeat the class.

Task

- a) Mention the organs in Bob's body which are affected by the behaviour of his friend.
- b) Explain why Bob felt weak, unstable and performed poorly in the examinations.
- c) How can the behaviours of Bob's friend affect his life and how can he overcome them?

END