

LIGHT FOR FUTURE GENERATION SECONDARY SCHOOL IGAYAZA
END OF TERM 2 2025
SENIOR THREE
TIME 2 HOURS

NAME.....SIGN.....

INSTRUCTIONS: attempt all

SECTION A

ITEM 1

Jonah planted maize and mixed beans on his plot along a dusty road side. As a way of obtaining good yields, prepared his garden well and planted quality seeds in closely packed columns and rows, applied fertilizers, sprayed to prevent any pests and removed weeds. He planted maize earlier and planted beans later after the maize were already tall. His maize yielded poorly and beans remained stunted with no yields. He is very worried about the outcomes yet he spent a lot of money on the garden.

Task.

a. Describe the causes of the outcomes.

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b. Advice Jonah on how he can plant the same plants in the same garden in other seasons with minimal losses.

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ITEM 2

JOHN is a student in S4 who frequently urinates and feels thirsty. One day while on his way back home, he heard a very loud barking sound from a fierce dog. When he tried to run, his legs felt weak and he couldn't move them. When he forced himself to move, he instead fell down. His heart pounded, eyes protruded and his heart beat increased

Task

a) Explain how Johns body coordinated from the time the loud barking sound was heard to the time he wanted to run a way.

b) Point out i. his bodily metabolic disorder and explain its causes

ii. Ways how he can manage his health condition.

SECTION B

ITEM 3

In a village in Kakumiro District, the town residents were complaining of having no market for fish that they had caught in the river. An investor decided to construct a manufacturing factory on the river Banks to provide market for the fish and also get more products from the fish. Fishermen are now complaining about reduced fish, increased cases of respiratory diseases among others.

TASK.

Explain to the locals the challenges the factory may be imposing to life in the lake, advice them on the ways to minimise the effects of the challenges and show them the value of conserving such a natural resource.

ITEM 4

Jonah experienced a fatal accident where he experienced teeth loss and loss of consciousness. He was rushed to the near by hospital and on further diagnosis, it was seen that his pancreas was damaged. The doctor advised that Jonah should undergo blood transfusion immediately in addition to other medication. The hospital did not have blood but Jonah's relatives were willing to donate blood so as to save his life. They consulted the Doctor to see who would be able to donate. On analysis, Jonah's cousin aged 20 years and weight of 60Kg was of blood group A, Jonah's mother aged 46 years and with a weight of 70Kg was of Blood group B, Jonah's sister aged 20 years with a weight of 38Kg was of blood group AB and Jonah's Brother was of blood group O aged 9 years with a weight of 29Kg.

Task

a. Identify

i. the organs of Jonah's body that were affected ii. With clear reasons, to the family who can possibly donate blood to Jonah since he was tested Being blood group AB

b. Explain how the damage of the organs affected the normal

END

“The biggest mistake in life is to think we still have time.”