

NAME: CLASS/STREAM

BIOLOGY HOLIDY WORK FOR S3 2025

END OF YEAR EXAMINATIONS, 2025

S.3 BIOLOGY (553/1)

- ✓ Answers to Section A **must** be written in the spaces provided while answers to Section B **must** be written in the answer booklets) provided.
- ✓ Answer all items.

| FOR SCORER'S USE ONLY | | |
|-----------------------|---------|------------------|
| Question | Scores | Scorer's remarks |
| 1 | | |
| 2 | | |
| Section B: | Part I | |
| | Part II | |
| Total | | |

SECTION A

Item 1:

A research that was made about Uganda's natural forests indicated that many medicinal plant species are dying out. This was attributed to the traditional herbalists who harvest roots; remove barks from the stem, harvest leaves and flowers from the trees in the forests.

Task:

a) Explain how the practices of the traditional herbalists affected the processes of the plants harvested. (03 Scores)

1

b) Explain the control measures that can be done or put in place so that herbalists do not make the medicinal plants become extinct. (04 Scores)

Item 2:

A formerly responsible young man with a family, joined an alcohol drinking group, and started drinking daily and heavily. His children are now out of school and look malnourished. One evening as he was coming from his drinking joint, he fell down and broke his only pair of eye glasses that he had been using for long. Now, to clearly see anything, he first moves close to it.

Task:

a) How did his involvement in this group disorganized his family?

(03 Scores)

b) Explain why this young man first moves close to objects to clearly see them and how his eye glasses were helping him to read. (04 Scores)

c) What should be done in the society to overcome challenges related to those faced by this young man and his group? (04 Scores)

(04 Scores)

SECTION B:

Part I:

A farmer bought a plot of land on a sloppy area. He cleared all the vegetation for agriculture, deep ploughed up and down the slope. He grew maize, season after season. However, after 5 years, he realized that the crop yields had declined. He became confused and tried to inquire from his fellow farmers.

Task:

How can you help this farmer to

- a) understand the cause of the decline in yields? (04 Scores)
- b) overcome the challenge of low crop yields? (04 Scores)

Part II:

Madam Betty drives to her work place, where she sits all day, served meals in her office and drives back home after work

Recently, she started feeling stressed, chest pain and developed swollen feet. She went to the hospital and her BMI was found to be higher than normal. The doctor advised her to change her lifestyle but Madam Betty did not want to take the doctor's advice seriously.

Madam Betty's daily food menu includes white bread, cakes, Mandazis, chapattis, fried meat, sodas, energy drinks, butter and eggs.

Task:

- i) Explain how madam Betty's lifestyle led to her health complications (04 Scores)
- ii) What advice would you give Betty? (04 Scores)

END