

Student's Name: Steam:

Signature:

Random No.					Personal No.		

(Do not write your School/ Centre Name or Number anywhere on this booklet.)

P530/1
BIOLOGY
Theory
Paper 1
April 2025
2 $\frac{1}{2}$ hours



ASK INTEGRATED TEACHER'S EXAMINATIONS BUREAU LTD

Uganda Advanced Certificate of Education

END OF TERM 1 EXAMS 2025

S.5 BIOLOGY

PAPER 1

(Theory)

2 Hours 30 Minutes

INSTRUCTIONS TO CANDIDATES:

Attempt all items in this question paper

ITEM 1

Moses, a 48-year-old teacher, has recently begun paying more attention to his health. During a routine medical check-up, his doctor discovered that his blood tests revealed increased levels of fats and cholesterol. Concerned about the long-term effects, the doctor strongly recommended that Moses adopt healthier dietary habits and lifestyle changes to help regulate his lipid profile.

- a) Based on Moses' lipid profile, what potential risks might he face if no changes are made? **(2 scores)**

ITEM 3

Daniel, a farmer living near Lake Victoria, was inspecting his crops early in the morning when he noticed something unusual. To his surprise, he saw some small insects effortlessly walking on the surface of a nearby pond. Intrigued and puzzled by how this was possible, he approached you for an explanation.

(a) Help Daniel understand what was puzzling him according to the scenario. **(5 scores)**

(b) Help Daniel understand other physical properties of water and how they are related in biological systems. **(7 scores)**
