

Student's Name: Steam:

Signature:

Random No.					Personal No.		

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

553/1

BIOLOGY

Theory

Paper 1

November 2024

2 hours



ASK INTEGRATED TEACHER'S EXAMINATIONS BUREAU LTD

Uganda Lower Secondary Certificate of Education

END OF YEAR ASSESSMENT 2024

BIOLOGY PAPER 1

SENIOR THREE

(Theory)

2 Hours

INSTRUCTIONS TO CANDIDATES:

This paper consists of seven examination items.

It has two sections; A and B.

Section A has three compulsory items.

Section B has two Parts; I and II. Answer one item from each part.

Answer five items in all.

Any additional item(s) answered will not be scored

ITEM 1

Ms. Betty a farmer in Wakiso district fell sick and spent one week at home. When she went back to her garden, she found some plant parts missing. When she looked at them she clearly found some small flying animals and some crawling animals.



- (a) Identify the plant parts which were missing.

- (b) Explain how such small animals were able to cause such massive destruction

- (c) What advice would you give Ms. Betty to control the animals above so that they cannot cause further damage.

ITEM 2

Alice is a secondary school girl, studying in a day school near home. One day while in class she heard a very loud sound of tear gas from a scuffle between the police and the mob that was demonstrating. Her heart pounded, eyes protruded and his heart beat increased. She stood out to run home.

Explain how Alice's body coordinated from the time the loud sound was heard until she fell down.

Item 3

Nakku, a senior three student from Kimanto comprehensive secondary school, observed that her grandmother's garden had different types of seeds sprouting. She noticed that plant A sprouted differently compared to plant B.



Task

(a) Identify the plant process that she observed that lead to the sprouting of the seeds as shown above.

(b) Help Nakku to know the conditions necessary for the sprouting of seedlings in her grandmother's garden.

(c) Briefly describe two distinct patterns of seedling emergence that you expect Nakku to observe in her grandmother's garden.(giving two examples of plants for each pattern).

SECTION B

PART I

Attempt any one question from this part

ITEM 4

Malaria has become so common within people living near water bodies. The government has brought YEKO insecticide to kill mosquitoes but preliminary research shows that YEKO kills termites, bees and butterflies. The ESIA group an environment advocacy group has opened up a campaign against the use of YEKO.

Task

Write an article that you would send to the chief Editor to support the campaign of ESIA group

ITEM 5

Many farmers practicing farming in hilly areas in Uganda especially in Kigezi regions are facing many challenges in their farmlands due to increased washing of top soils to low lying areas especially during rainy seasons. This has greatly affected productivity in such areas.

Task

As a soil scientist, explain to these farmers the likely causes of the above problems. Advise them on the possible measures that can be used to overcome the above problems. (15scores)

PART II

Attempt only one items from this part.

ITEM 6

In a rural village in west Nile, a mother is concerned about the health of her 2 years old child, who is malnourished and frequently ill, shortly after weaning him. The family's daily meal includes posho and raw vegetables which they eat once a day. The child is energetic but he is not gaining weight.

Task

- a) Explain to the mother why her child is not gaining weight and suggest recommendations.
- b) Describe the different processes that occur in the child's body to enable him to be energetic.

ITEM 7

Having been in company of chain smokers for two years, Daniel a teenager developed dry cough and serious chest pain and got hospitalized after coughing blood. The medical report suggested that Daniel was a smoker which utterly denied and so the doctor put him on serious medication. During his course of treatment the doctors discovered that his blood couldn't load enough oxygen a reason why he was very weak

Task

Mention Daniel's health problem and clearly explain how his body contradicted it. Advice Daniel on how he can recover from the problem discovered.

END



Total
scores

--

AITEL END OF YEAR ASSESSMENTS

Uganda Certificate of Education

DO NOT WRITE YOUR SCHOOL/ CENTRE NAME OR NUMBER ANYWHERE IN THIS BOOKLET

Candidate's Name.....

Signature.....

Random No

--	--	--	--	--	--

Subject..... Paper Code...../.....

Personal Number

--	--	--

Do not
write
in the
margin

UCE

Do not
write
in the
margin

Item _____ **FOR SCORERS USE ONLY**

Basis code

--	--	--	--	--	--	--	--	--	--

Score

--	--	--	--	--	--	--	--	--	--

Scorer's initials:.....

Item _____

Basis code

--	--	--	--	--	--	--	--	--	--

Score

--	--	--	--	--	--	--	--	--	--

Scorer's initials:.....

Item _____

Basis code

--	--	--	--	--	--	--	--	--	--

Score

--	--	--	--	--	--	--	--	--	--

Scorer's initials:.....

Item _____

Basis code

--	--	--	--	--	--	--	--	--	--

Score

--	--	--	--	--	--	--	--	--	--

Scorer's initials:.....

Item _____

Basis code

--	--	--	--	--	--	--	--	--	--

Score

--	--	--	--	--	--	--	--	--	--

Scorer's initials:.....

© 2024 END OF YEAR ASSESSMENT AITEL

CONTACT US ON: 0780298043 | 0740739087 | 0758489600 | 0789756728 | 0777139918

All payments are made from Equity Bank | Account Name: Ask Integrated Teachers Examination Bureau (AITEL)

LIMITED | Account Number: 1042203234600