

Candidate's name: Signature:

P530/2
BIOLOGY PRACTICAL
PAPER 2
NOV,2025
2HRS 30MIN



DIOCESE OF WEST ANKOLE
S.6 ENTRANCE EXAMINATIONS 2026
BIOLOGY PRACTICAL
PAPER 2
2HRS 30MIN

INSTRUCTIONS TO CANDIDATES

This paper consists of **two items**.

Answer all the questions.

Write the answers in the spaces provided.

No additional sheets of paper should be inserted in this booklet.

You are not allowed to start working within the first 15 minutes. You are advised to use this time to read through the paper and ensure that you have all the apparatus, chemicals and specimens you require.

For examiner's use only		
items	Scores	Examiner's signature
1		
2		
TOTAL		

Handwritten text is present at the top of the page, but it is extremely faint and illegible. The rest of the page is filled with horizontal dotted lines, serving as a guide for handwriting practice.

b) Based on your results,

i) which food type should be better choice for his energy demands. Explain your answer.

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ii) Which two properties were exhibited by active substance?

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c) How were errors minimized in your experiment?

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ITEM ONE

Ahmed is a hardworking farmer in Uganda. Every day his job demands a lot of physical effort to complete his short intense work. He relies on his breakfast to give him quick energy boost to last him through busy morning hours until he can take a break. Ahmed has observed that when he feeds on certain type of food, he feels hungry very fast, tired and weak before he completes his most important tasks but feels more energetic after a long time.

However, on days when his breakfast is on another food, he quickly feels energetic, full, and strong to work steadily and efficiently though short lived, even when he has consumed same amount.

Ahmed needs to be helped to understand the differences in his body after taking certain type of food so he can make better choices for his daily meals and ensure he has enough energy for his farm work.

You are provided with solutions **A** and **B** which were prepared from foods, Ahmed uses for breakfast.

Task:

- a) Design and carry out an investigation to.
 - i) determine food composition of solutions **A** and **B**.

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ii) Which two properties were exhibited by active substance?

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c) How were errors minimized in your experiment?

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ii) Draw and label any three adjacent units.

iii) Describe the structure of the units.

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b) Design and carry out an investigation to show effect of Solution M and Solution N samples on units of onion bulbs.

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e) state the ecological significance of tissues as observed from solutions **M** and **N** in life cycle of herbaceous plants.

i) From Solution **M**

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ii) From Solution **N**

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END