

**PRESIDENT'S OFFICE
REGIONAL ADMINISTRATION AND LOCAL GOVERNMENT
UKERWE DISTRICT COUNCIL**



FORM FOUR MOCK EXAMINATION

033/2C

BIOLOGY 2C

(ACTUAL PRACTICAL)

TIME: 2:30HRS

Instructions

1. This paper consists of two (2) questions, answer all the questions
2. Each questions carries 25 marks
3. Write your examination number on every page of your answer booklet(s)
4. All writings should be in blue or black ink, diagrams must be drawn in pencil
5. Cellular phones and any unauthorized materials are not allowed in the examination room.

1. You have been provided with specimen K, test tubes, a beaker, test tube rack, test tube holder and the table reagents.

Consider the following procedures

- i) Cut the specimen K, in a transversal section
- ii) Squeeze the two halves to obtain a solution
- iii) Add 15cm^3 of distilled/rainwater
- iv) Filter the mixture by using a sieve to obtain a clear solution, Call it solution K

Questions

- a) Carry out food test procedures, then identify the food substances present in the solution K.

Tabulate your answers as follows

Food Tested	Procedure	Observation	Inference

- b) Name the food substances identified in part (1a) above
- c) Give functions of the identified food substances to the human body
- d) Name the food substances which are missing in the solution K, that need to be added in order to obtain a balanced diet.
- e) Name the digestive enzymes and the part in alimentary canal where the identified food substances are digested.

2. You have been provided with the specimens P, Q and R. study these specimens carefully then answer the questions that follow.

(a) Identify specimen P, Q and R by their common names

(b)(i) Classify specimen P, Q and R to the class level

(ii) Give three differences between specimen P and Q.

(c) (i) Draw well labeled large diagram of specimen Q

(ii) Identify two adaptations of specimen Q to its function.

(iii) Name three processes that take place in both specimens P and Q in the plants.

(d) State four economic importance of specimen R to farmers