

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



**FORM FOUR MOCK EXAMINATION
BIOLOGY 2A**

**033/2A
TIME: 2:30HRS**

Year 2025

INSTRUCTIONS

1. This paper consists of two (2) questions, answer all the questions
2. Each question carries 25marks
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 **L** in a petridish.
Carry out an experiment using the procedures below and answer the questions that follows.

Procedures:

- (i) Using a scalpel cut thin slice of specimen **L**
- (ii) Put such slice of specimen **L** in boiled water for five minutes.
- (iii) Remove a slice of specimen **L** in boiled water and put it into a petridish.
- (iv) Using a dropper apply two (2) drops of iodine solution on specimen **L** into a Petridish.

Questions:

- (i) What is the aim of experiment?
 - (ii) What changes did you observe in specimen **L** when you applied iodine solution to it?
 - (iii) What does it mean for observation in (ii) above?
 - (iv) What are two natural sources specimen **L** could be obtained?
 - (v) Write the role of specimen **L** to human body.
 - (vi) In which part of the body the end product of identified food is stored.
 - (vii) Excess glucose is fatal for the health of the body what is done in the body to ensure the safeness of internal body condition?
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2. You have been provided with specimen **P, Q, R** and **S**.
Study them carefully, and then answer the following questions.
 - (a) (i) What are the common name for specimen **Q** and **S**?
(ii) Classify Specimen **R** and **Q** to Class Level
 - (b) (i) How specimen **P** is important in a balance of ecosystem?
(ii) Draw a well labeled diagram of specimen **P**?
 - (c) Give four (4) points to explain why specimen **S** is important in crop cultivation.