

Candidate's Index Number .....



**THE UNITED REPUBLIC OF TANZANIA  
THE PRESIDENT'S OFFICE  
REGIONAL ADMINISTRATION AND LOCAL  
GOVERNMENT  
TANGANYIKA DISTRICT COUNCIL  
FORM FOUR MOCK EXAMINATIONS, APRIL 2023**



**BIOLOGY 2A  
ACTUAL PRACTICAL 2A**

**033/2A**

**Time: 2:30 Hours**

**April, 2023**

**INSTRUCTIONS**

1. This paper consists of two (2) questions. Answer all questions.
2. Each question carries twenty five (25) marks.
3. Except for diagrams which must be drawn in pencil, all writings should be in blue or black ink.
4. Cellular phones and other unauthorized materials are not allowed in the examination room.
5. Write your Examination Number on every page of your answer booklet(s).

**FOR EXAMINERS' USE ONLY**

<b>QUESTION NUMBER</b>	<b>SCORE</b>	<b>EXAMINER'S INITIALS</b>
01		
02		
<b>TOTAL</b>		
<b>CHECKER'S INITIALS</b>		

1. You are provided with specimen K in a watch glass. Dissolve specimen K in 200mls of water in a beaker, Observe the changes carefully and answer the following questions:
  - (i) What is the aim of the experiment?
  - (ii) What are the changes observed?
  - (iii) Why the changes are observed through the water in a beaker?
  - (iv) State any two significances of the process in plants and animals.
  - (v) Identify any two organs in humans and plants that exhibit the process identified in (i) above.
  - (vi) State any four applications of the process identified in our life.
  
2. You have been provided with the specimens A, B, C and D. Study the specimens and answer the questions that follow:
  - (a) Identify each of the specimens A, B, C and D by their common names.
  - (b) (i) Classify the specimen A and D to class level. (ii) Give the benefits of specimen C to the farmers. (three points)
  - (c) Why are the specimen A and C placed in the same kingdom?
  - (d) Draw a well-labelled diagram of specimen B.
  - (e) State three economic importance of specimen B.

