



THE UNITED REPUBLIC OF TANZANIA
PRESIDENT'S OFFICE
REGIONAL ADMINISTRATION AND LOCAL
GOVERNMENT
LUDEWA DISTRICT COUNCIL
FORM FOUR PRE-MOCK EXAMINATION



CODE: 033/2

BIOLOGY 2A
(ACTUAL PRACTICAL)

25th march 2024

TIME: 2:30

Instructions

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

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Answer all questions

1. You are provided with a beaker, Specimen K and distilled water. Carry out the following experiment:
 - a) Pour about 100cm³ of distilled water into the beaker.
 - b) Put the specimen K into the beaker containing distilled water.
 - c) Observe carefully the experiment for few minutes and then answer the following questions.
 - i. What happened when specimen K was put in the distilled water?
 - ii. Explain why the changes observed occurred.
 - iii. What was the aim of the experiment?
 - iv. Draw a conclusion from the experiment.
 - v. Name the physiological process investigated in this experiment
 - vi. Define the process named in (v) above
 - vii. What is the importance of the process in the daily life activities? (3 points)
 - viii. Give three factors that affect the process named above.

2. You have been provided with specimens B, C, D and E.
 - a. Identify specimens B, C, D and E by their common names.
 - b. Classify B, C and D from kingdom to class level.
 - c. What distinctive features of specimen C makes it a typical representative of the class it belongs.
 - d.
 - (i) What is the habitat of each of specimen D and E?
 - (ii) Identify three observable features which help the specimen D to adapt to its habitat.