THE UNITED REPUBLIC OF TANZANIA
NATIONAL EXAMINATIONS COUNCIL
CERTIFICATE OF SECONDARY EDUCATION EXAMINATION

033/2B

BIOLOGY 2B
(ACTUAL PRACTICAL B)
(For Both School and Private Candidates)

Time: 2:30 Hours **Thursday, 18th October 2012 a.m.**

Instructions

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

1. You have been provided with specimens **A**, **B**, **C** and **D**. Study them carefully then answer the questions that follow.
   (a) Identify specimens **A**, **B**, **C** and **D** by their common names.
   (b) State three similarities between specimens **C** and **D**.
   (c) Identify three types of movement exhibited by each specimen **A**, **C** and **D**.
   (d) Name the habitats for each of specimen **A**, **B**, **C** and **D**.
   (e) State two adaptation features which enable each specimen **A**, **B**, **C** and **D** to move easily in their habitat.
   (f) Why it is important for specimen **A** to move from one place to another?

2. You have been provided with specimens **E**, **F** and **G**. Study these specimens carefully then:
   (a) Identify specimens **E** and **F** by their common names.
   (b) Observe specimens **E** and **F** then:
      (i) State four observable similarities between these specimens.
      (ii) Identify two observable differences between the specimens.
      (iii) What is the disadvantage of each specimen?
      (iv) Name the Class in which each specimen belongs.
   (c) Observe specimens **G** then answer the following questions.
      (i) Name the part of the plant represented by specimen **G**.
      (ii) Identify the function of specimen **G** in living organism.
      (iii) Draw a well labelled diagram of specimen **G**.
      (iv) Mention a Class in which specimen **G** belongs.
      (v) State one observable feature you used to place specimen **G** in the Class you mentioned in (c)(iv).
      (vi) Give four examples of an organisms which belong to the Class you mentioned in (c)(iv) above.