

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

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

033/2B

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 specimen **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.