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

/2C

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

ıe: 2:30 Hours

Monday, 17th November 2014 a.m.

Instructions

This paper consists of **two (2)** questions. Answer **all** the questions.

Each question carries **25** marks.

Except for diagrams which must be drawn in pencil, all writings should be in blue or black ink.

Calculators and cellular phones are **not** allowed in the examination room.

Write your **Examination Number** on every page of your answer booklet(s).

1. You are provided with specimens **X** and **Z**.

(a) (i) Prepare separate solution from specimens **X** and **Z**. Label them as solution **X** and **Z** respectively.

(ii) Write the procedure you followed to prepare solution **X** and **Z**.

(b) Carry out an experiment to identify the food substances present in the solutions X **Z**. Record your experimental work as shown in Table 1 below.

Table 1

Food tested	Procedure	Observation	Inference

(c) State two properties of the food substance identified in the solution **X**.

(d) Name four other sources where food substances identified in solutions **X** and **Z** ar found.

(e) Mention the parts of the alimentary canal in which the digestion of the food substa identified in solution **Z** takes place.

(f) Name the enzymes responsible for digestion of food substance identified in solutic until the end product is produced.

(g) In which form is the food substance identified in solution **X** stored in human body

(h) State one function of the food identified in each solution **X** and **Z** in human body.

2. You have been provided with specimens **B**, **C**, **D** and **E**.

(a) (i) Identify specimens **B**, **C**, **D** and **E** by their common names.

(ii) To which Kingdom(s) do specimens **C**, **D** and **E** belong?

(iii) Name the habitats of specimens **B**, **C**, **D** and **E**.

(iv) Write two adaptations of specimen **E** to its habitat.

(b) State two distinctive characteristics that place each of specimen **C** and **D** into their respective Kingdom.

(c) (i) List down two advantages of specimen **E**.

(ii) State two distinctive characteristics that place specimen **E** into its respectiv Class.

(iii) Draw a well labeled diagram of specimen **E**.