

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

033/2C

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

Time: 2:30 Hours

Tuesday, 18th October 2011 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 pen.
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. Study specimen **A₃** which is a dissection of a mammal.
 - (a) Carefully observe the dissected mammal using a hand lens without disturbing it in any way.
 - (i) Draw a labelled diagram of **A₃**.
 - (ii) Name the system which have been displayed and pinned to your right hand side.
 - (iii) Mention two processes which take place in the system named above.
 - (iv) What is the importance of the processes named in (a) (iii) above?
 - (b) Name the part of the system responsible for food absorption.
 - (c) How the part named in (b) above is adapted for food absorption.
 - (d) Which part of a system is responsible for reabsorption of water?
2. Study specimen **R, S, T, U, V, W** and **X** carefully, then answer the questions that follow.
 - (a) Identify the organisms using their common names.
 - (b)
 - (i) Mention the kingdom to which specimen **R, S, W** and **X** belongs.
 - (ii) Mention the feature which distinguishes specimens **R** and **S**.
 - (c) Name the phylum to which specimen **T, U** and **W** belongs.
 - (d)
 - (i) What is the economic importance of specimen **X**?
 - (ii) State the features which places organism **X** and **V** into their particular kingdom.