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 pined 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.