THE UNITED REPUBLIC OF TANZANIA

NATIONAL EXAMINATION COUNCIL

DIPLOMA IN SECONDARY EDUCATION EXAMINATION

733/2A **BIOLOGY 2A**

(ACTUAL PRACTICAL A)

Time: 3 Hour. **Tuesday 12/05/2009 a.m**

Instructions

1. This paper has three papers.
2. Answer **all** questions.
3. Question **1** contains 30 marks while question 2 and 3 have 10 marks each.
4. Mobile phones are not allowed inside the examination room.
5. Write your Examination Number on every page of your answer booklet.

1. Dissect specimen **B** to reveal reproductive and excretory systems.

(a) Draw and label two parts for each system.

(b) State the function of each reproductive part.

(c) Identify the sex and justify with three features.

(d) Why are some threadlike parts abundant?

2. Use solutions **P** and **Q** to perform food tests.

(a) Complete the following table:

Test For	Procedure	Observation	Inference

(b) State three biological roles of food in solutions P and Q.

(c) (i) Name the enzyme involved in digestion of food in Q.

(ii) What are the final products?

3. Observe specimens **J**, **K** and **L**.

(a) (i) Give two features for classifying J into its kingdom.

(ii) State three industrial uses of J.

(b) Identify and explain the functions of K.

(c) Classify specimen L and give three justifying features.