THE UNITED REPUBLIC OF TANZANIA

NATIONAL EXAMINATION COUNCIL

DIPLOMA IN SECONDARY EDUCATION EXAMINATION

733/2B **BIOLOGY 2B**

(ACTUAL PRACTICAL B)

Time: 3 Hour. **Wednesday 16/05/2012 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 **Y** to expose the reproductive system.

(a) Draw and label four parts of the reproductive system.

(b) Identify the organ responsible for:

(i) Producing gametes

(ii) Storing gametes

(iii) Transporting gametes

(c) What would happen if the anterior abdominal vein is damaged?

(d) Why flood the body cavity with water after opening the specimen? Give two points.

2. You are provided with solution **K**.

(a) Perform biochemical tests and record results in the following table:

Food Tested	Procedure	Observation	Inference

(b) Name two natural foods from which K could be extracted.

(c) State first site of digestion, digestive juice, and end product of the food identified in K.

3. Observe specimens **L**, **M**, **N P** and **Q**.

(a) Differentiate the following using four observable features:

(i) L vs M

(ii) P vs Q

(b) Draw specimen N and label four parts.