

**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**

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**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.

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**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.