THE UNITED REPUBLIC OF TANZANIA
NATIONAL EXAMINATIONS COUNCIL OF TANZANIA
DIPLOMA IN SECONDARY EDUCATTION EXAMINATION

733/2B **BIOLOGY 2**

(PRACTICAL 2B)

Time: 3 Hours **Year: 2024**

Instructions.

1. This paper consists of sections **three** questions.
2. Answer **all** questions.
3. Cellular phones are **note** allowed in the examination room.
4. Write your **examination Number** on every page of your answer booklet(s).

1. Dissect the provided specimen L in the usual way to display the reproductive system. Cut off and completely remove the digestive system and respond to the following questions:

   (a) Draw a diagram of the dissected specimen L and label four parts that forms the reproductive system.

   (b) Carefully observe the specimen and identify the organ responsible for carrying out each of the following functions:

   (i) Production of gametes.

   (ii) Temporally storage of gametes.

   (iii) Transportation of gametes.

   (c) What will happen if the anterior abdominal vein is accidentally punched

   (d) Why is important to flood the specimen with water after opening it? Give two point.

2. (a) Using the provided reagents carry out the biochemical test to identify Food substances contained in the solution D. tabulate your result as shown in the following table.

Food tested	Procedure	Observation	Inference

   (b) Name the two natural food staffs from which solution D could have been extracted.

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

3. Your provided with specimens A, B, C, D and E. Your required to carefully observe each specimen and answer the following questions:

   (a) Differentiate the following specimen using four observable features
   (i) A and B
   (ii) D and E.

   (b) Draw the diagram of specimen C and label four parts.