THE UNITED REPUBLIC OF TANZANIA

DODOMA REGION

FORM FOUR MOCK- EXAMINATION

033/2A BIOLOGY 2A (ACTUAL PRACTICAL)

Time: 2:30 Hours **August, 2023**

Instructions

1. This paper consists of two (2) questions, answer all the questions
2. Each question carries 25 Marks
3. Write your examination number on every page of your answer booklet(s)
4. All writings should be in blue or black ink, diagrams must be drawn in pencil
5. Cellular phones and any unauthorized materials are not allowed in the examination room

QUESTIONS

1. Study specimen B_1 which is a dissection of a mammal.
   a) Carefully observe the dissected mammal using a hand lens without disturbing it in anyway.
      i) Name and draw a well labeled diagram of the system which have been displayed and pinned to your right hand side.
      ii) Mention three main processes that take place in the system named above.
      iii) What is the importance of the processes mentioned in a(ii) above?
   b) Name the part of the system responsible for the absorption of digested food nutrients.
   c) How the part named in (b) above is adapted for food absorption?
   d) Which part of the system is responsible for absorption of water?

2. You are provided with specimen B_2. Study it carefully and then answer the questions that follow;
   a) (i) Identify the specimen by its common name.
      (ii) Name the organism from which specimen B_2 was taken.
      (iii) Name the parts of the animal's body where specimen B_2 is located.

   b) (i) Write five (5) general characteristics of the phylum to which the organism named in (a) (ii) above belongs.
      (ii) State two (2) adaptations shown by the organism you named in (a) (ii) above to its mode of locomotion.
      (iii) Outline five (5) functions of specimen B_2 to organism where the specimen was taken.