

President's Office

REGIONAL ADMINISTRATION AND LOCAL GOVERNMENT

MWANZA REGION MOCK EXAMINATIONS FORM FOUR- AUGUST, 2017

BIOLOGY 2A (ACTUAL PRACTICAL)

CODE NO. 033/2A
15th August , 2017

TIME: 2.30 hours
8.00 -10.30 a.m.

INSTRUCTIONS:

1. This paper consists of two (2) questions. Answer ALL the questions.
2. Each question carries 25 Marks.
3. Except for diagrams which must be drawn in pencil, all writings should be in blue or black ink.

This paper consists of 3 printed pages.

1. You are provided with food sample solution S_1
- (a) Carry out food test experiments to establish the food substances present in solution S_1 .

Tabulate your experimental work as shown in the table below:

FOOD TESTED	PROCEDURE	OBSERVATIONS	INFERENCE

- (b) For the food substance identified in 1(a) above:-
- (i) Name the part of the alimentary canal in which absorption of the food substances identified in (a) above takes place.
- (ii) One of the food substances present in the solution sample S_1 its excess is stored in the liver. Name the food substance and form in which it is stored.
- (iii) State two (2) functions of each food substance identified in solution S_1 .
- (iv) Name the enzyme acted on food substance identified in b (ii) before it is stored in the liver.
- (v) One of the food substance present in solution S_1 is essential for growth and maintenance of the body, state the end product of that food and name two enzymes responsible for its digestion.

2. You have been provided with specimens A, B, C, D.

(a) Study carefully specimens A and B.

(i) Identify specimen A and B by their common names.

(ii) Name the habitats for each of specimen A and B.

(iii) Classify specimen A and B to the class level.

(iv) List the observable features of specimen A and B.

(v) List three (3) characteristic features of the class in which specimen A and B belong.

(b) Study carefully specimen C and D.

(i) Identify specimen C and D by their common names.

(ii) Classify specimen C and D up to class level.

(iii) State three (3) differences of the class in which each specimen C and D belong.