Candidate's Assessment Number: ……

PRESIDENT'S OFFICE

REGIONAL ADMINISTRATION AND LOCAL GOVERNMENT

KIBAHA TOWN COUNCIL

PRE-MOCK FORM TWO EXAMINATION – 2023

BIOLOGY

Code: 032

DAY: WEDNESDAY, Morning

DATE: 22/03/2023

Time: 2:30 Hours

Instructions

1. This paper consists of section A, B and C with a total of ten (10) questions
2. Answer all questions in section A and B and one question from section C
3. All writing must be in blue or black ink, except for drawing which must be in pencil
4. Write your number at the top right corner of every page.
5. Write your **Assessment Number** at the top right corner of every page.

FOR EXAMINER'S USE ONLY		
QUESTION NUMBER	**SCORE**	**EXAMINER'S INTIAL**
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
TOTAL		

SECTION ''A"

1. For each of the items (i) – (x), choose the correct answer from the given alternatives and write its letter in the box provided.

i) Which of the following is the reason for studying Biology
   A. Biology helps us to appreciate and improve the nature
   B. Biology enable deals with non - living objects in our environment
   C. Biology enable us to pollute the environment
   D. Biological research contributes to the development of low yielding breeds of crops.

ii) Which are the advantages of bryophyte?
   A. They cause fungal disease in human being
   B. They retain water in the soil
   C. They cause fungal diseases and used to brew alcohol
   D. They are good sources of good substances

iii) The first site of protein digestions in the digestive system is the
   A. Mouth
   B. Oesophagus
   C. Stomach
   D. Small intestine

iv) First step in the scientific method is
   A. Experimentation
   B. Collecting data
   C. Identifying the problem
   D. Formatting a hypothesis

v) When giving first aid to a snake bite victim you should not
   A. Cut the would
   B. Calms them down
   C. Remove jewelry from the bitten part
   D. Lower the better down

vi) Medical waste is described as
   A. Biohazardous
   B. Re usable materials
   C. Biodegradable
   D. Recyclable

vii) Hepatitis B can be prevented by
   A. Vaccination

B. Using mosquito nets
C. Eating a balanced diet
D. Not shaking hands with infected person

viii) Xylems is an example of _____
A. Organ
B. Cell
C. Tissue
D. Organ system

ix) The dissolving of coffee particles in cup of hot water is an examples of
A. Liquid
B. Solid flow
C. Mass flow
D. Diffusion

x) where does exchange of gases take place in the lungs
A. Alveolus
B. Bronctius
C. Trachea
D. Bronchiole

2. Match the statement in column A against its corresponding item from column B

LIST A	LIST B
i) A important nutrient for body growth and repair of worn out cells and tissue. ii) An organic nutrient that an organism require in small quantities. iii) An organic compound composed of carbon, hydrogen and oxygen and is the main source of energy. iv) A substance that is important in the diet. But which cannot be digested and absorbed by human being. v) Chemical compounds of food.	A. Roughage B. Vitamins C. Protein D. Carbohydrate E. Nutrients F. Macronutrient G. Micronutrient H. Food test I. Rickets

LIST A	**i**	**ii**	**iii**	**iv**	**v**
LIST B					

SECTION ''B" (70 MARKS)

3. (a) According to the laboratory rules what should you do in the following situation?
i) There is unused acid left in the test tube after you finish your experiment.

_____

_____

ii) You need to perform an experiment but there is no body in the laboratory.

_____

_____

iii) You need to use water and there is a bottle containing a clear liquid on the bench but you are not sure of its content.

_____

_____

iv) You have finished Biology experiment for the day

_____

_____

v) One of your classmate has brought some peanuts in the laboratory.

_____

_____

(b) Draw the following apparatus and state their function

Apparatus		**Function**
i) Hand lens		
ii) Mortar and pestle		
iii) Petri dish		
iv) Dropper		
v) Beaker		

4. A bread was put in a wet cup board. After a few days black thread like structure which ended up in cup like shape appeared on the bread.
   a) Write the common name of the organism that grew on the bread surface.

   _____

   b) Name the kingdom in which the observed organism belongs

   _____

c) Name the phylum or division in which the observed organism belongs.

_____

d) Outline the advantages of the members of the kingdom you mentioned in (b) above four points

i) _____
ii) _____
iii) _____
iv) _____

5. (a) Differentiate the following terms

i) Endemic and epidemic diseases

_____
_____
_____

ii) Communicable and non - communicable diseases.

_____
_____
_____

iii) Health and immunity

_____
_____
_____

(b) What are the four (4) factors that may lead to the lowering of body immunity (Explain)

i) _____
ii) _____
iii) _____
iv) _____
v) _____

6. (a) Name the part of the cell described in each of the following statement

i) The semi - permeable membrane that enclose the cytoplasm of a cell _____
ii) A large cellular organelle that contains Haredi tang information _____
iii) A part that protects , support , and give shape to the plant cell _____
iv) The site of respiration in the cell _____
v) Control all activities of the cell _____

(b) (i) Using examples of plant and animal cell explain the meaning of cell differentiation

_____
_____
_____

(ii) Identity two importance of cell differentiation

a) _____
b) _____

7. (a) What do you understand by the term digestions

_____

_____

(b) Of having painfully burning sensation around the middle of her chest wherever she eats spicy food. She also has a problem of passing out very hard stools

i) What are the possible digestive disorders she is facing?

a) _____

b) _____

ii) What would you advise her in order to reduce (alleviate) the problems (Two point in each disorders)

_____

_____

_____

8. Write short notes on the following biological terms

(a) Mutualism

_____

_____

_____

(b) Commensalism

_____

_____

_____

(c) Food chain

_____

_____

_____

(d) Biotic factor

_____

_____

_____

(e) Food web

_____

_____

_____

9. (a) Differentiate waste from waste disposal

_____

_____

_____

(b) What are the main principles that be used to problem of waste in our society mention three?

i) _____

ii) _____

iii) _____

(c) Give five negative effects of not practicing proper waste disposal

i) _____

ii) _____

iii) _____

iv) _____

v) _____

SECTION ''C" (15 MARKS)

10. A child complains to her mother that she has a headache and pain in joints. She also feels uneasy vomits, and has abdominal pain her, Mother realizes that the child also has a fever. She takes her to the hospital

(a) What is the cause and mode of transmission of the disease?

(b) How can the disease be prevented? Four point (briefly explain)