THE UNITED REPUBLIC OF TANZANIA

PRIME MINISTER'S OFFICE

REGIONAL ADMINISTRATION AND LOCAL GOVERNMENT

TABORA MUNICIPAL COUNCIL

FORM TWO DISTRICT ASSESSMENT

033 BIOLOGY

TIME 2:30 HRS SEPTEMBER 2026

INSTRUCTIONS

1. This paper consists of section A, B, and C with a total of ten (10) questions.
2. Answer all questions in the spaces provided
3. Section A carries (15) marks, section B carries (70) marks and section C carries (15) marks.
4. All communication devices and any unauthorized materials are not allowed in the examination room.
5. Write your **Assessment Number** at the top right corner of every page

QUESTION NO	SCORE	ASSESSOR'S INITIAL
1.		
2.		
3.		
4.		
5.		
6.		
7.		
8.		
9.		
10.		
TOTAL		
CHECKER'S INITIAL		

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SECTION A (15 Marks)

1. For each of the item (i)-(x), choose the correct answer from the given alterrnative and writes its letter in the box Provided.

   i) Which branch of biology deal with the study of maize, beans, pines, mango and sugar Cane?

   A. Taxonomy

   B. Botany

   C. Ecology

   D. Zoology.

   ii) An organism whose cell wall is made up of chitin belongs to

   A. Animalia

   B. Fungi

   C. Plantae

   D. Protoctista.

   iii) The brain is an example of_____

   A. Tissue

   B. System

   C. Organ

   D. Cell.

   iv) If there is cholera outbreak in the nearby school which way would you use to prevent the disease?

   A. Killing mosquitoes

   B. Covering nose when Sneezing.

   C. Boiling drinking water

   D. Eliminating rat and fleas.

   v) The following organism feed on primary consumers_____

   A. Lion, Hyena and Leopard

   B. Zebra, Wilderbeest and Buffalo

   C. Leopard, Buffalo and Giraffe

   D. Hyena, Zebra and Wildebeest

   vi) The following things are found in biology laboratory except_____

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A. Meter Screw gauge

B. Models

C. Aquarium

D. Cages

vii) Scurvy is a nutritional deficiency disease due to lack of_____

A. Vitamin

B. Vitamin K.

C. Vitamin A

D. Vitamin C

viii) Which statement is true about Virus_____

A. They are active outside the host cell but dormant inside it.

B. It is active inside the host and cell but dormant outside it.

C. It carries life processes when outside the host cell

D. It has both DNA and RNA as genetic materials

ix) The process by which plant loose water in form of Vapour is known as

A) Guttation

B) Photosynthesis

C) Diffusion

D) Transpiration

x) Why is mitochondrion refereed to as the power house of a cell?

A) It has double membrane

B) Its inner membrane is folded

C) It produce energy for the cell

D) Its outer membrane is Smooth

Question	i	ii	iii	iv	v	vi	vii	viii	ix	x
Answer										

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2. Match the functions of the parts of heart in list A with the name of part of heart in List B by writing the letter in a table provided.

List A	List B
i) Ensure blood flow in one direction	A. Coronary artery
ii) Separate the left and the right side of the heart	B. Sino atria node
iii) Nourishes the heart and supplies it with oxygen gas	C. Septum
iv) Remove waste from the heart	D. Muscular walls
v) Set time and rate of Contraction of Cardiac muscles	E. Valves
	F. Pulmonary vein
	G. Coronary Vein
	H. Cardiac muscles

List A	i	ii	iii	iv	V
Answer					

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SECTION B (70 Marks)

Answer ALL questions from this section

3. During lunch time form two were provided with a meal Containing various types of foods including rice. You as a form two student

   a. i) Identify the first site where rice will be digested _____

   ii) Name the enzyme that will digest rice in the site you have named in 3 a.(i)

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above_____

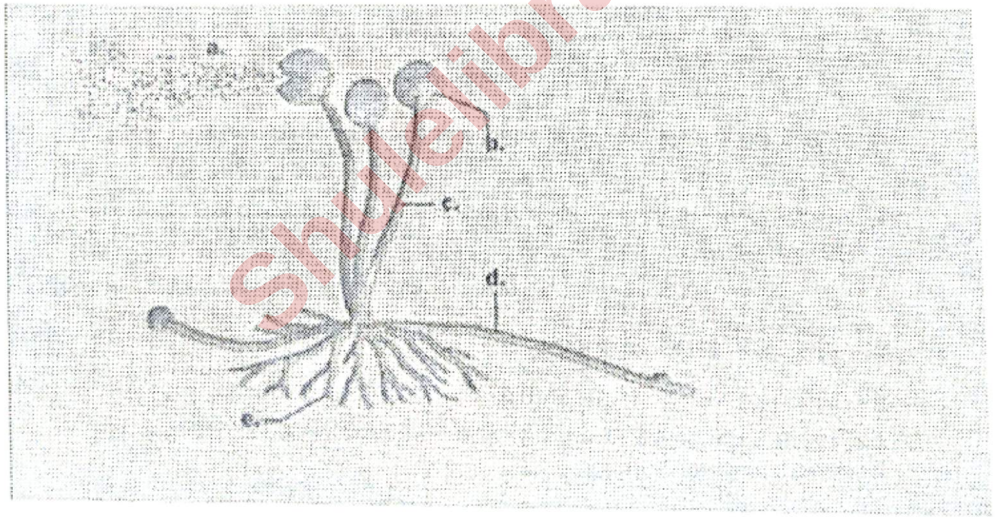
iii) In which form the rice will be converted in the site you have named in 3 a.(i) above

_____

b. With four (4) points differentiate between the digestive System of cow from that of human being.

S/N	Cow's digestive system	Human's digestive system
1		
2		
3		
4		

4. Consider the diagram below then answer the questions that follows



i) Name the part labelled a, b and c

ii) Write the Common name of the organism in figure 01 above

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iii) Identify the phylum and kingdom of organism you have named in 4(a) ii,

Above .....

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b) Write down four (4) beneficial of the kingdom you have named in 4 a) iii) above.

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5. Inhalation involve bringing air into the respiratory System. During this process there are various actions which take place in the body of an organism. You as a form two student write down five action which take place during this process

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6. Give a biogical fact for each of the following observations

(i) Dog's red blood cells rapture when placed in distilled water

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(ii) Plant cell does not burst when placed in hypotonic solution

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Human red blood cells lose water and shrink when placed in highly concentrated sorrounding

(iii)

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b) Osmosis is applied in various ways in living things, prove the statement by using any two facts

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7. HIV/AID is one among the dangerous disease in the Community. There are various risk

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situation, behaviors and practice which contribute to the spread of this disease. If you are a health worker

a) Educate people four (4) risk situations or behaviorurs that Can lead to HIV infection.....

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b) Write down four ways of avoiding risk situations and behavior

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8. a) Form two students were debating on the motion 'Biology is better than History 'being on the proposer side defend the motion with five points

Write down two contributions of Biology Knowledge in each of the following

i) Agriculture

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ii) Forest

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9. Consider the flow of energy in the figure 2 below then answer the questions that follow

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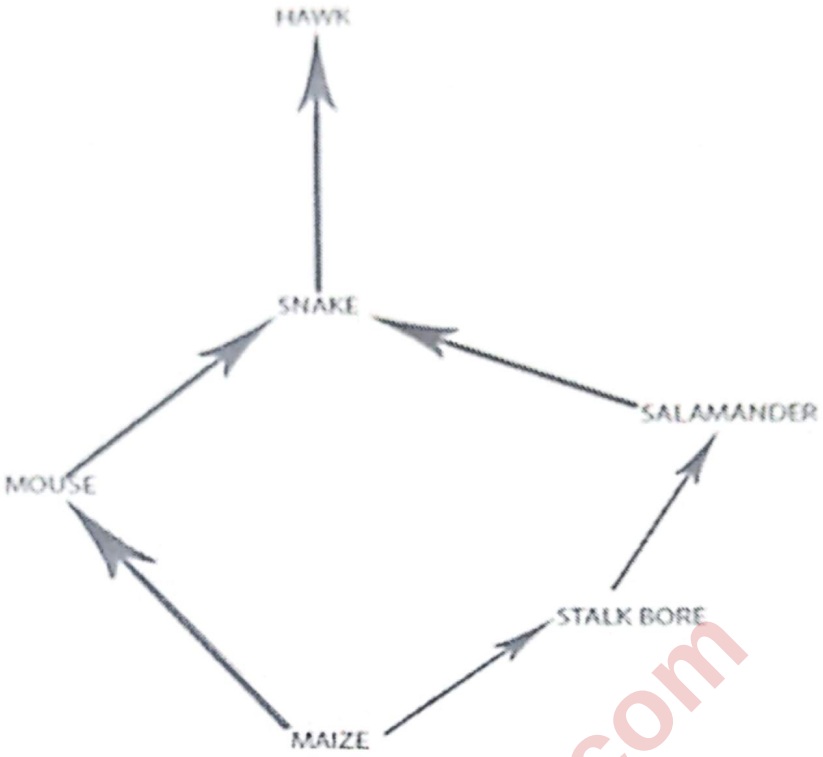

a) i) What is the name of the energy flow

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ii) From energy flow you have named in 9.a) i) above construct two linear flow of energy

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SECTION C

Answer question **ten 10**

10. As a form two student you have been selected to present about modern methods of food preservation. Explain three (3) benefits and three (3) limitations of using modern methods of food preservation.

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