

THE UNITED REPUBLIC OF TANZANIA
PRESIDENT'S OFFICE, REGIONAL ADMINISTRATION AND LOCAL GOVERNMENT
LUDEWA DISTRICT COUNCIL FORM TWO MOCK EXAMINATION 2022

033**BIOLOGY****Time 2:30hrs****9th June 2022****INSTRUCTIONS.**

1. Answer all questions from this paper
2. This paper consists of three sections A, B and C.
3. Except for diagrams that should be drawn in pencil, all writings should be in blue or black ink
4. Cellular phones are NOT allowed during attempting this exam.
5. Write your Examination Number/Names on every page of your answer booklet.

FOR EXAMINERS' USE ONLY		
QUESTION NUMBER	SCORE	EXAMINERS' INITIAL
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
TOTAL		

SECTION A.15 MARKS.

1. Choose the most correct answer among the given alternatives and write its letter in the table provided below
- One of the best lesson a teacher taught us was about muscles that are found in different parts of the body. Cardiac muscle can be found in which part of the animal body?
 - Skull
 - Limbs
 - Heart
 - Head
 - Mwana Poya is studying in form one class. Help the one to choose the main product of anaerobic respiration process in plant.
 - Uric acid
 - Alcohol
 - Lactic acid
 - Water
 - A doctor received medical results from laboratory technician and identified that a victim is affected by ectoparasites. Which of the following parasitic organisms is typical ectoparasite?
 - Tick
 - Plasmodium
 - Tapeworm
 - Roundworm
 - Mr. Kichoka did not understand how to choose components of blood. Help him to choose. Which of the following is NOT a component of blood?
 - Erythrocyte
 - Leucocytes
 - Leukemia
 - Plasma
 - Mr. Mwamri explained wrongly on the aim of experiment during scientific investigation, The aim of experiment in the scientific investigation is to
 - Identify the problem
 - Test the hypothesis
 - Predict the result
 - Confirm the problem
 - There are so many branches of Biology that taught by the teacher. Branch of Biology that deals with body defense against diseases
 - Mycology
 - Parasitology
 - Immunology
 - Entomology
 - One of the apparatus used in the field MR Solomon told us is cages. Cages is used for keeping.
 - live Specimens
 - Preserving Specimens
 - Dead Specimens
 - Live aquatic specimens
 - Mr. Ibra don't know the effect of burning plastic bags. Which of the following can be caused by burning plastic waste materials?
 - Bruised skin
 - Heart problems
 - Joint pains
 - Breathing Problems
 - Mrs. Mudaba confuse between first and second stage of AIDS. The second stage of HIV/AIDS is
 - Has flu-like symptoms
 - Has no symptoms
 - Is full-blown AIDS
 - Leads to syphilis
 - Help Mr. Kinjuga to show which of the following statements is best describes the role of root hair?
 - Provides anchorage of the root.
 - Protects the delicate surface cells of the enlarging root.
 - Adds the length of the root by repeated division.
 - Provides large surface area for absorption.\

i.	ii.	iii.	iv.	v.	vi.	vii.	viii.	ix.	x.

2. Match the phrases in List A with the responses in List B by writing the letter of the correct response from List B beside the item number of List A in the answer booklet provide.

LISTA	LISTB
i. They are insoluble in water ii. The ratio of body mass (in kilograms) to that of persons height (in m ²). iii. The combination of bacteria with acid, saliva and remains of food. iv. A muscular ring-like valve which regulates the passage of food from the stomach into the small intestine. v. Underground storage organs formed from the plant stem.	A. Veins and Capillaries. B. Plaque. C. Body Mass Index. D. Gingivitis. E. Basal Metabolic Rates. F. Vitamins. G. Peristalsis. H. Fats and Oils. I. Epiglottis. J. Corms. K. Pyloric muscles. L. Cardiac sphincter muscles.

i.	ii.	iii.	iv.	v.

SECTION B 70 MARKS.

Answer all questions from this section in which all questions carries equal marks of 10.

3. (a)Waste is any substance that is no longer in use, the teacher said. Mwajuma asked to a teacher to explain the meaning of waste disposal. If a teacher chose you what answer did you respond to Mwajuma?

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- (b)Poor waste disposal has led to many effects. Continue telling Mwajuma the effects of poor waste disposal (use 4 effects)

- i.
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- ii.
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- iii.
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- iv.
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4. Virus is very dangerous microorganism to both plants and animals. Contrary to its detrimental effects there are so many advantageous of viruses. Explain five advantages

- i.
- ii.
- iii.
- iv.
- v.

5. Good examples of systems that uses Mass flow as the means of transporting materials from one part of the body to another is Human circulatory system and Lymphatic system. What are six (6) disorders of circulatory and four (4) disorders of lymphatic systems?

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6. a) Mr.Mwenemutapa failed to explain the meaning of the terms mentioned below since he studied such thing long time ago. Teach him.
- i. Health.....
 - ii. Immunity.....

(b)As a student of form two class explain what are the factors that affect body immune system?.

- i.
- ii.
- iii.

7. (a) Sophia does not know the meaning of some biological phenomena. As the biologist help Sophia to explain the meaning of these biological phenomena which are unknown.

i. Cell differentiation

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ii. An organ

.....

iii. A system

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(b)What are three examples of specialized cells of animals?

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8. (a)Biology teacher taught all about ecology but the term Balance of nature he was not worked on it. What do you understand by the term balance of nature?

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(b)Draw a food chain and food web from the following organisms Toad, Vulture, Rabbit, Grass, Snake, and grasshopper

FOOD CHAIN

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FOOD WEB

.....

(c) Explain what would happen from food web drawn above if

i. All the grass died?

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ii. All the snakes were killed?

9. (a) For the organism to survive there must be transportation of materials. Explain the meaning of transportation of materials

(b) Juma tasked his students to draw a large and well labeled diagram of external structure of the mammalian heart. If you are a student of Juma, Perform that task

(c)(i) Why the heart is said to be myogenic?

(ii) What do you understand by systemic circulation of blood

SECTION C 15 MARKS

10. Mr. Makomeo is the one of the victim of Leukemia disease. Write an essay on Leukemia using the following guidelines.

.Meaning

.Causes

.Signs and symptoms (3points)

.Prevention (Any two)

Conclusion.

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