

KATALA HIGH,Sunrise,BISMACK SS,Mwembeni ss,Buhare ss,Chalinze ss,Mzumbe ss,Marian, St.mary's, Mwapachu ss,Nyamagaro ss,Mbezi ss,Mihayo ss,Green view ss,Ilemela Islamic ss,Chalinze Islamic ss,Kazima ss,Moshi ss, Benjamini ss,St. John ss ,Mwembeni ss,Skanda ss,Bombamzinga,TABORA boy's,MUSABE SS,Kikuyu as, Dodoma ss,Lake zone ss, BUHONGWA ISLAMIC ss,Buhare ss,TABORA girls,BWIRU Boy's, IMPERIO ss, Uyui ss, Ipuli ss, ibungilo ss, LORETO girls ss, KIMEBO'S SS,MVOMERO SS,TUSIIME SS,GAIRO SS, BENJAMIN SS,ST.PETER'S SS,FEZA GIRLS,MALAIKA TC,ST.MARIA SS

**FORM THREE TERMINAL EXAMINATION 2024
BIOLOGY 1**

INSTRUCTIONS

TIME: 2:30 HOURS

- This paper consists of section A, B and C with a total of eleven (11) questions
- Answer all questions in section A and B and two (02) question from section C
- All writings must be in blue or black ink except drawing which must be in pencil
- Write your Name at the top right corner of every page

SECTION A (16 marks)

1. For each of the items (i-x) choose the correct answer from the given alternatives and write its letter beside the item number in the answer sheet provided.
 - (i) Why trophic level in ecosystem is drawn in pyramid shape?
 - A) It appears neat and attractive B) Energy decreases as it passes from one trophic level to another
 - C) It starts with decomposers D) It is the one recommended scientifically
 - (ii) One of the following is not part of the female reproductive system in mammals
 - A) Vagina B) Vulva C) Fallopian tube D) Urethra
 - (iii) A disease caused by viruses are _____
 - A) Measles, Aids and Ebola B) Malaria, Cholera and Meningitis C) Covid-19, Typhoid and Sleeping sickness
 - D) Bilharzia, Tuberculosis and UTI
 - (iv) When a person come across unexpected incidence blood sugar rises, rate of breathing increases and heartbeat also increases this is due to the increase in level of _____ in the blood.
 - A) Oestrogen B) Adrenaline C) Insulin D) Thyroxine
 - (v) Species with chitin substance in their cells are placed in the kingdom
 - A) Monera B) Fungi C) Plantae D) Animalia
 - (vi) The changes of an organism in its either internal or external environment
 - A) Coordination B) Response C) Stimulus D) Receptors
 - (vii) Blood of mammalian is composed the following cells
 - A) Leucocytes and thrombocytes B) Nerve cells and White blood cells
 - C) Leucocytes and Erythrocytes D) Fibrinogen and Erythrocytes
 - (viii) Excess amino acid from the liver is removed through _____
 - A) Excretion B) Reabsorption C) Filtration D) Deamination
 - (ix) The correct path taken by red blood cells from lungs through the human heart to the heart back to the lungs is _____
 - A) Right auricle, Right ventricle, Left auricle, Left ventricle
 - B) Left auricle → Right auricle → Left ventricle → left auricle → Right auricle
 - C) Right ventricle → Right auricle → Left auricle → Right ventricle
 - D) Left auricle → Left ventricle → Right auricle → Right ventricle
 - (x) Which one is the correct pass of oxygen from the atmosphere into the blood in human being
 - A) Bronchi → Bronchioles → Trachea → Alveoli
 - B) Bronchiole → Bronchi → trachea → Alveoli
 - C) Trachea → Bronchi → Bronchioles → Alveoli
 - D) Alveoli → Bronchi → Bronchioles → Trachea
2. Match the description of the part of urinary system in List A with their corresponding explanation in List B by writing the correct letter beside the item number in your answer sheet provided

LIST A

LIST B

(i) Renal vein (ii) Nephron (iii) Urinary bladder (iv) Renal artery (v) Ureter (vi) Urethra	A. Kidney that carries urine from kidney to bladder B. Stores urine temporary C. Carries urine away from the kidney D. Function unit of kidney E. Carries urine from the bladder to the outside F. Bring blood containing waste to the kidney and oxygen G. collects urine from all collecting ducts
--	--

SECTION B (54 Marks)

Answer all questions from this section

3. (a) Analyze methods for proper waste disposal that can be used for the type of waste below:-
 - (i) food remains
 - (ii) Clinical syringes
 - (iii) Drinking water bottles
 b) Suggest any four items you need to maintain personal hygiene
 c) Outline any two important to be put into consideration in order to prevent unpleasant odour and disease during puberty.
4. a) Plants are among the biotic components in the ecosystem. Use three points to justify this statement
 b) What are the 3 job opportunities one has to get by studying science subjects?
 c) Use 3 points to explain how alimentary canal of a cow differ from that of human being?
5. a) Skeleton is very important tissue in living organisms and it is known that an organism cannot survive without it. Support this statement by using four points.
 b) Why does fish die after being taken out of water into the land, but a frog is able to survive in both water and the land?
6. Explain the following:-
 - a) Man lose a sense of smell during cold
 - b) Testes are located hanging outside the body
 - c) Insulin and glucagon work antagonistically
 - d) When a ring of a bark is removed from their stems, plants are killed.
7. a) By using 3 points support the statement, biology cannot stand alone.
 b) By using four points analyze how anaerobic respiration is applied in daily life.
 c) Name any disease that can be controlled by each of the following methods:-
 - (i) Vaccination
 - (ii) Clean water sources/ irrigation schemes
8. a) i) Explain Tendon and Ligaments
 ii) What features of the joint enables it to reduce friction?
 b) i) Name three synovial joint found in human body
 (i) Define Phototropism and Hydrotropism
 (ii) Draw a well labelled diagram Cross - section of spinal cord

SECTION C (30 Marks)

(Answer any two questions from this section)

9. a) What is accommodation?
 b) Briefly explain the adaptation of eye to its functions
 c) Explain the mechanism of seeing an object. Diagram is not required.

10. a) What is osmoregulation?

b) Write a short essay on diabetes mellitus using the guidelines below

- Its Cause
- Symptoms (Any Four)
- Effects (Any One)
- Treatment (Any Three Points)

11. a) Form II student at Emau secondary School were asked to volunteer on blood transfusion, low number of students responded to this program. What is your views on negative response from majority of students?(Any five points)

b) Using features below state how veins and arteries differs

- (i) Valves (ii) Pressure (iii) Lumen (iv) Direction of the blood flow

UKIHITAJI KUJIUNGA NA MTHANI WA PAMOJA ZAIDI YA SHULE 405 NA
KUTOWA MATOKEO YA PAMOJA KARIBUNI SANAH

PRE-MOCK F2&4 NA TERMINAL F1&3 EXAMINATION WITH MARKING
SCHEME ZIKO TEYALI

*WASILIANA NA MALAIKA FOUNDATION LABORATORY 0685991172
(WHATSSAP)*

ACADEMIC TAALUMA 0678426804 (WHATSAPP) MR.ANUARY SHULE
YAKO IWEPO HAPO

GHARAMA KWA MTHANI VIDATO VYOOTE

🛑 SOMO 1 3000 TU

● F1&3 15,000/=Tu

F2&4 22,000/= TU MASOMO YOOTE HADI YANYONGEZA
BOOKKEEPING,COMMERCE,FRENCH,EDK,BIBBE
KNOWLEDGE,ARABIC,FRENCH,ICS, AGRICULTURE, CHINESE LANGUAGE
AND FOOD NUTRITION

KUJIUNGA NA GROUP LA WHATSAPP KWA SHULE ZOOTE 405 NA
NYINGINE BADO ZINAFANYA MJUMUIKO NASI

MIEZI 6 15000 TU

03/05/2024-----03/11/2024

MIEZI 12. 25000 TU

03/05/2024-----03/05/2025

MALIPO NAMBA

TIGO PESA 0679091172 MALAIKA KABATE

M-PESA 0752850793 MALAIKA KABATE

Airtel money 0685991172 MALAIKA KABATE

MALIPO NAMBA 🙌 🙌 🙌 🙌 🙌 🙌 🙌 🙌 🙌 🙌 🙌

MID-TERM,TERMINAL, ANNUAL,PRE-MOCK,MOCK,JOINT AND
PRE-NECTA WITH MARKING SCHEME ZAKE ZOOTE
ZITATUNGWAA KWA WAKATI KWA MJUMUIKO WA SHULE 405