

**THE PRESIDENT'S OFFICE  
REGIONAL ADMINISTRATION AND LOCAL GOVERNMENT  
JOIN THE REVOLUTION PROGRAM  
FORM TWO MONTHLY TEST  
BIOLOGY**

**TIME 3:00 HOURS**

**February 2024**

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**INSTRUCTIONS**

1. This paper consists of section **A, B** and **C** with a total of (10) questions
2. Answer all questions in section **A, B and C**
3. Section **A** carries fifteen (15) marks, section **B seventy (70)** marks and section **C carries fifteen (15)** marks
4. All writing must be in blue or black ink except drawing which must be in pencil
5. Cellular phones and any unauthorized materials are not allowed in the examination room
6. Write your assessment number (index number) at the top right corner of every page

**SECTION A (15 Marks)**  
**Answer ALL questions in this section**

For each of the following items (i) – (x) choose the correct form among the alternatives and writes its letter in the box provided

i. If you are asked to prepare a first aid kit with its components which of the following you will not include?

- (a) Iodine tincture
- (b) Medicine to cure diseases
- (c) A pair of scissors
- (d) Sterilized cotton wool

ii. Which of the following is a risky behavior?

- (a) Accepting favors and gifts from parents
- (b) Having many sexual partners
- (c) Keeping good company and avoiding immoral friends
- (d) Shaking hands with HIV/ AIDS infected individuals

iii. Which of the following organelles controls the movement of substances in and out of the cell?

- (a) Plasma membrane
- (b) Vacuole
- (c) Cell wall
- (d) Cell nucleus

iv. Farmers in a certain village found their maize crops have yellow leaves with dead spots at the margin and tips, which minerals do the maize crop lack?

- (a) Calcium
- (b) Molybdenum
- (c) Phosphorus
- (d) Potassium

v. The Ubn football team goal keeper fell down during the match due to muscle cramps, which component in the first aid kit will you use to give him first aid?

- (a) Vaseline
- (b) Spirit
- (c) Liniment
- (d) Scissors

vi. The following group of organisms belongs to the same kingdom

- (a) Bat, whale, amoeba
- (b) Bacteria, yeast, liverwort
- (c) Grasshopper, bat, fish
- (d) Amoeba, Housefly, Mosquito

vii. The body is protected against pathogens by:-

- (a) Bone marrow
- (b) Erythrocytes
- (c) Thrombocytes
- (d) Leukocytes

viii. In biological experiment the aim of an experiment is to:

- (a) Predict the problem
- (b) Confirm the result
- (c) Identify the problem
- (d) Test the hypothesis

ix. Which of the following characteristics of living things is the basic difference between plants and animals?

- (a) Growth
- (b) Movement
- (c) Nutrition
- (d) Irritability

x. A kidney is an example of

- (a) A tissue
- (b) An organ
- (c) A system
- (d) An organelle

**ANSWERS**

<b>I</b>	<b>II</b>	<b>III</b>	<b>IV</b>	<b>V</b>	<b>VI</b>	<b>VII</b>	<b>VIII</b>	<b>IX</b>	<b>X</b>

2. Match the phrase in LIST A with responses in LIST B by writing the letter of the correct response in a table provided

<b>LIST A</b>	<b>LIST B</b>
i. Male reproductive structures of moss plant ii. Female reproductive structures of a moss plant iii. Roots like strands of moss plant iv. Leaflets of a fern plant v. Leaves developed from underground stem	A. Rhizoids B. Frond C. Archegonia D. Anttheridia E. Rhizome F. Pinnae G. Asci

**ANSWERS**

<b>I</b>	<b>II</b>	<b>III</b>	<b>IV</b>	<b>V</b>

**SECTION B (70 Marks)**  
**Answer ALL questions**

3. During an experiment that involved two sample A and B, the scientist observed cells whose organelles are enclosed in membranes in sample A and cells whose nuclear material are not bound with a membrane in sample B

(a) Identify types of cells observed in a sample A and B respectively

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(b) Write three (3) points differentiate the types of cells observed in sample A and B

i. \_\_\_\_\_

ii. \_\_\_\_\_

iii. \_\_\_\_\_

(c) Draw a well labelled diagram of cell observed in sample A and B respectively

In sample A	In sample B

4. The ability of a body to resist against infections and diseases is influenced by some factors

(a) State six (6) factors which affect that body status

i. \_\_\_\_\_

ii. \_\_\_\_\_

iii. \_\_\_\_\_

iv. \_\_\_\_\_

v. \_\_\_\_\_

b) Differentiate disease from infection

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(c) Outline three (3) advantages of the members of the phylum you mentioned in (b) above

i. \_\_\_\_\_

ii. \_\_\_\_\_

iii. \_\_\_\_\_

(d) Suggest the kingdom in which the observed organism belong. Give three (3) reasons to support your answer suggests

Kingdom \_\_\_\_\_

Reasons

i. \_\_\_\_\_

ii. \_\_\_\_\_

iii. \_\_\_\_\_

5. (a) Differentiate between a pandemic and endemic disease.

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(b) How does communicable and non-communicable disease differ? Give example in each

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(c) A child complains to her mother that she has headache and pains in joints, she also feels uneasy, vomits and has abdominal pains. Her mother realized that a child also has a fever she takes her to hospital.

i. Which disease do you think the child is suffering from?

ii. What is the cause and mode of transmission of the disease?

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iii. How can the disease be prevented? Give three (3) points

(a) \_\_\_\_\_

(b) \_\_\_\_\_

(c) \_\_\_\_\_

6. (a) Suppose you are invited by the headmaster of Mapinduzi secondary school to attend the laboratory building meeting. Which conditions will you advise to the owner of the school to consider to building a laboratory with the required standards?

Give five (5) points

- (i) \_\_\_\_\_
- ii. \_\_\_\_\_
- iii. \_\_\_\_\_
- iv. \_\_\_\_\_
- v. \_\_\_\_\_

(b) With three (3) points explain how a biology laboratory differs from other school facilities

- i. \_\_\_\_\_
- \_\_\_\_\_
- ii. \_\_\_\_\_
- \_\_\_\_\_
- iii. \_\_\_\_\_
- \_\_\_\_\_

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

\_\_\_\_\_

\_\_\_\_\_

(b) Explain four (4) rules observed in binomial nomenclature

- (i) \_\_\_\_\_
- \_\_\_\_\_
- ii. \_\_\_\_\_
- \_\_\_\_\_
- iii. \_\_\_\_\_
- \_\_\_\_\_
- iv. \_\_\_\_\_
- \_\_\_\_\_

8. A person got a bicycle accident and was badly injured. If you are the first person to reach in an accident area.

(a) Name the assistance that you are recommended to give to him at the time after the accident

\_\_\_\_\_

\_\_\_\_\_

(b) Why do you advise other people to give the same help in case they face a similar situation? Give four (4) points to support your answer.

- (i) \_\_\_\_\_
- \_\_\_\_\_
- (ii) \_\_\_\_\_
- \_\_\_\_\_
- iii. \_\_\_\_\_
- \_\_\_\_\_

iv. \_\_\_\_\_

(c) Give five (5) precaution that should be taken in giving the assistance named in a(i) to a victim of snake bite

(i) \_\_\_\_\_

(ii) \_\_\_\_\_

(iii) \_\_\_\_\_

(iv) \_\_\_\_\_

(v) \_\_\_\_\_

9. Analyze four methods of getting rid of unwanted materials in an environment.

(i) \_\_\_\_\_

(ii) \_\_\_\_\_

(iii) \_\_\_\_\_

(iv) \_\_\_\_\_

### SECTION C (15 Marks)

#### Answer question number ten (10) in this section

10. Corona is a wide spread problem in the world. Countries have attempted to eradicate the disease but they have not been very successful. As form one biology student educate your community about corona disease using the following guide lines

(a) Caustic agent

(b) Mode of transmission

(c) Symptoms (4 points)

(d) Side effects (2 points)

(e) Prevention measures (4 points)

## **KWA MAHITAJI YA**

**01. MITIHANI YA MID-TERM NA MARKING GUIDE ZAKE KWA KILA SOMO KWA VIDATO VYOTE**

**02. SERIES ZA O-LEVEL KWA MASOMO YOTE NA VIDATO VYOTE**

**03. MITIHANI YA KIDATO CHA TANO NA SITA (ADVANCED SERIES) KWA COMBINATION ZOTE**

## **OFA OFA**

**U.B.N COOPERATION TUNATOA OFA MAALUM YA KUJIUNGA NA GROUP LETU LA “U.B.N COOPERATION” KWA WAKUU WA SHULE NA WATAALUMA KWA TSH 50,000/= MIEZI 6 NA 70,000/= MWAKA MZIMA KWA KIDATO KIMOJA AMBAPO UTAPATA MITIHANI YA KILA MWEZI (MONTHLY TEST) KWA MASOMO YOTE NDANI YA MIEZI SITA. OFA HII NI KWA KIDATO CHA PILI NA CHA NNE TUU. ITAKUWA NI (MWEZI MARCH – SEPTEMBER) MIEZI 6 NA MARCH-DECEMBER MWAKA MZIMA ...MWISHO WA KUJIUNGA NA OFA HII NI TAREHE**  
**15/03/2024**

**KWA MAWASILIANO; WASILIANA NASI 0624 254 757  
WHATSAPP TUU**



**U.B.N COOPERATION O-LEVEL EXAMINATION SERIES 2024**  
**TIME TABLE FOR ALL SUBJECTS**  
**FORM TWO AND FORM FOUR**  
**FEBRUARY SERIES**

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<b>ALL SUBJECTS</b>	<b>DATE</b>	<b>TIME</b>
<b>SERIES - 02</b>	<b>12<sup>th</sup> February 2024</b>	<b>03:00 – 6:00 pm</b>
<b>SERIES – 03</b>	<b>19<sup>th</sup> February 2024</b>	<b>03:00 – 6:00 pm</b>
<b>SERIES – 04</b>	<b>26<sup>th</sup> February 2024</b>	<b>03:00 – 6:00 pm</b>

**CONTENTS COVERED**

**1. SERIES FORM TWO**

**(ALL TOPICS IN FORM ONE AND ONLY TWO TOPICS IN FORM TWO)**

**2. FORM FOUR**

**(ALL TOPICS IN FORM ONE, FORM TWO, FORM THREE AND ONLY TWO TOPICS IN FORM FOUR)**

**ADA : FORM TWO 11,000 MUHULA MZIMA**  
**: FORM FOUR 16,000 MUHULA MZIMA**

**DEADLINE : MWISHO WA MALIPO NI TAREHE 15 MARCH 2024**

**NB : ADA ZA MALIPO YA MUHULA HUPANDA KILA DEADLINE**  
**INAPOVUKA HIVYO LIPIA MAPEMA KUEPUKA GHARAMA KUBWA**  
**BAADAE**

**MALIPO : 5595220 LIPA NAMBA VODA JINA U.B.N ACADEMIC CENTRE**

**FOR MORE INFO**

**CALL US : 0624 254 757**

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