

Student's Examination Number:
SIKIRARI SECONDARY SCHOOL
FORM ONE MID –TERM EXAMINATION

BIOLOGY

TIME 2:30HOURS

TUESDAY 8 APRIL 2025

Instructions

1. This paper consists of sections A, B and C with a total of **eight (08)** questions.
2. Answer **all** questions in the spaces provided.
3. Section A carries **fifteen (15)** marks, section B **seventy (70)** marks and section C carries **fifteen (15)** marks.
4. Except for drawings which must be drawn in pencil, all writings must be in **blue** or **black** ink.
5. Cellular phones, calculators and any unauthorized materials are **not** allowed in the examination room.
6. Write your **Name in Full** on the top right hand corner of every page.

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SECTION A

Answer all questions in this

1. Select the correct answer in each item and write the letter.

- i) Zoology is defined as the study of
 - A. Animal
 - B. Fungi
 - C. Plants
 - D. Cell
- ii)is the state of living
 - A. cell
 - B. life
 - C. living things
 - D. non-living things
- iii) the followings are living things EXCEPT
 - A. Frog
 - B. Elephant
 - C. Tree
 - D. stone
- iv) Process by which bacteria manufacture their own food
 - A. photosynthesis
 - B. chemosynthesis
 - C. feeding
 - D. nutrition
- v) A room designed for experiment and observation of sample is known as a
 - A. Pharmacy
 - B. Laboratory
 - C. Classroom
 - D. Hospital
- vi)occurs when cells become specialized to perform specific function
 - A. development
 - B. growth
 - C. respiration
 - D. Corrosive
- vii) Practice of growing crops and rearing animals for food, money or both
 - A. forestry
 - B. agriculture
 - C. chemisrty

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- D. biology
- viii) _____ magnifies the specimen being observed
- A. microscope
 - B. Test tube
 - C. Hand lens
 - D. Mirror
- ix) An object to be observed under the microscope is placed on the
- A. Stage
 - B. Mirror
 - C. Eye piece
 - D. Objective lens
- x) Plants and animals differ in their mode of
- A. Feeding
 - B. Growing
 - C. Respiring
 - D. Excreting

i	ii	iii	iv	v	vi	vii	viii	ix	x

2. Match the phrase in **List A** with that in **List B** by adding its letter.

LIST A	LIST B
i) Study of plant ii) Study of microorganisms iii) Study of fungi iv) Study of the body's immune system v) Irreversible increase in size and mass vi) Action of changing positions	A. Immunology B. Sensitivity C. Nutrition D. Growth E. Zoology F. Botany G. Mycology H. Virology I. Microbiology J. Respiration K. Movement

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LIST A	i	ii	iii	iv	v	vi
LIST B						

SECTION B

Answer **all** questions in this section

3. Define the following

- a) Ecology.....
- b) Genetics.....
- c) Logos
- d) Bios
- e) Immunology
- f) Zoology
- g) Respiration
- h) Entomology
- i) Organisms
- j) Anatomy

4. a) Outline at least (05) important of studying biology

- i)
- ii)
- iii).....
- iv).....

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v)

b) Mention five general features of laboratory

.....

.....

.....

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.....

C) Study the picture below and write the characteristics of living things which is shown by the following organisms.



i) _____ ii) _____ iii) _____

iv) _____

5. a) With examples explain seven characteristics of living things

- i)
- ii)
- iii)
- iv)
- v)
- vi)
- vii)

b) Give the meaning of the following

- i. Botany.....
- ii. Locomotion.....

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iii. laboratory.....
.....

6. a) Give

b) Draw a well diagram of the following parts

i. Test tube



ii. beaker



7. a) List any five (05) distinguishing features of biology laboratory from other laboratory

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

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b) List any (5) laboratory rules

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

SECTION C

8. Sir. Yona is a biology teacher at Nyangabo Secondary School; he taught form 1 student that science is the study of nature. He said in primary school you studied science as a one subject, but in secondary school you will study science as three subjects which are; _____, _____ and _____. Then, he introduced the biology subject by saying Biology comes from two greek words which are _____ and _____. A teacher said, **Biology** is the branch of science which deals with the study of life and living things. Also he defined life as _____ and living things as anything that has life. Sir. Yona again asked the students who can give four examples of living things? Aisha Mrisho and other students answered that _____, _____, _____ and _____. He also said a person who study science is called _____ and a person who study biology is called _____. Furthermore a teacher asked a boy called Kasenya to give two main branches of biology which are _____ and _____, not only that there are other branches of biology like cytology, mycology, bacteriology,

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virology etc. The biology lesson was good that day and every student enjoyed and promised to not miss the next lesson.