

**PRESIDENT'S OFFICE**  
**REGIONAL ADMINISTRATION AND LOCAL GOVERNMENT**  
**GEITA ADVENTIST SECONDARY SCHOOL**  
**FORM ONE ASIGNMENT 2 27<sup>TH</sup> APRIL 2020**  
**BIOLOGY**

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**Instructions.**

*Answer all questions*

**SECTION A**

1. For each of the items (i) (x), choose the correct answer from among the given alternatives and write its letter in the box provided.
  - i. The cell structure largely responsible for controlling the entry and exit of substances into and out of the cell is the:-
    - a. Nucleus
    - b. Cytoplasm
    - c. Cell wall
    - d. Cell membrane
    - e.
  - ii. The following is a list of scientific procedures used in solving problems scientifically:
    - a. Hypothesis formulation
    - b. Observation and data interpretation
    - c. Problem identification
    - d. Experimentation and data collection
    - e. Theorizing.
  - iii. In Biology an experiment is used to test the:-
    - a. Theory
    - b. Hypothesis
    - c. Law
    - d. Problem
  - iv. An object to be observed under the microscope is placed on the
    - a. Stage
    - b. Mirror
    - c. Eyepiece

- d. Objective lens
- v. Magnifies the specimen being observed under the microscope.
  - a. Body tube
  - b. Condenser
  - c. Eye-piece
  - d. Mirror.
- vi. Juma picked up a telephone after hearing it ringing. Which characteristic of living things was Juma showing by these actions?
  - a. Respiration and growth
  - b. Response and irritability
  - c. Irritability and movement
  - d. Location and movement
  - e. Excretion and reproduction.
- vii. One of the following is not a part of a microscope:
  - a. Stage
  - b. Eyepiece
  - c. Mirror
  - d. Coarse adjustment knob
  - e. Light
- viii. HIV/AIDS can result from the following behavior
  - a. Abstaining from sex and use of condoms
  - b. Rape, alcoholism and drug abuse
  - c. Faithfulness in marriage and Avoiding multiple sexual partnership
  - d. Using contraceptive pills
  - e.
- ix. A kidney is an example of:
  - a. A tissue
  - b. A system
  - c. An organ
  - d. An organelle
- x. In biological investigation the aim of an experiment is to:
  - a. Predict the problem
  - b. Confirm the result
  - c. Identify the problem
  - d. Test the hypothesis

2. The following statements are either TRUE or FALSE .In the space provided, write **TRUE** if the statement is true or **FALSE** if the statement is false.
- The sign of a skull and bones on a chemical bottle signifies that the chemical is explosive.
  - A scientific experiment is in complete if a control experiment is omitted.
  - Malaria is transmitted by all mosquitoes
  - It is advisable for students to use small quantities of drugs (e.g. marijuana) so as to promote their memory.
  - Run faster out of laboratory after an accident
  - Laboratory floor should be smooth for easy walk
  - First aid is given by a qualified doctor before the victim is sent to the hospital
  - All organisms are made up of cells
  - The nucleus is the basic unit of life
  - Laboratory accidents can be avoided by observing rules
3. (a) The following are matching items. Match the phrase or term in list A with that in list B by writing its letter against the appropriate position in the space provided.

LIST A	LIST B
i. Expression of Positive and negative feelings	a. Guess
ii. Advice for accurate observation of micro-organisms	b. Hypothesis
iii. Advice for Accurate observation Of micro-organisms In the laboratory	c. Experimentation
iv. A tentative explanation during scientific research	d. Amoeba
v. Movement of Molecules from high Concentration to low Concentration	e. Multicellular
	f. Unicellular
	g. Assertiveness
	h. Frustrations.

vi. Single celled organism	
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b. Complete each of the following statements by writing the correct answer in the space provided.

- i. Making a small object appear large.....
- i. Study of mushroom, toad stool, and puff ball.....
- i. Organisms break down food without using oxygen.....
- iv. A person who studies, plants.....
- v. Used to place specimen during observations.....

### **SECTION B**

4.(a) Why do we need to study Biology? (Give two reasons)

(b) Give three examples of cells found in:

- i. Animal body
- ii. Plant body

5. (a) What is First Aid?

(b) What is the importance of First Aid? Give four points

(c) Outline proper procedures of giving First Aid to victims of:

- i. Snake bite
- ii. Electric shock

6.(a) Explain the meaning of the term “good manners”

(b) Outline five principles of personal hygiene and good manners.

(c) Define the term “immunity”

7.(a) Name three types of laboratories?

(b) Mention the differences between biology laboratory from other laboratories

8.(a)(i) What do you understand by the term “laboratory”?

(ii) Outline four qualities of a good laboratory

(b) Mention one function of each of the following apparatus:

- (i) Petridish
- (i) Mortar and pestle
- (i) Hand lens
- (iv) Thermometer

9. (a) List six characteristics common to all living things.

(b) Name the instruments used to measure the following parameters:

i. Temperature

ii. Length

iii. Time

iv. Mass

**SECTION C:**

**Essay writing**

10. Discuss seven characteristics of living organism

11. Write an essay explaining to your friend why it is important to study biology.

