

P530/1  
**BIOLOGY**  
Paper 1  
**NOVEMBER, 2023**  
2 Hours



**ST. JULIAN HIGH SCHOOL SEETA CAMPUS**  
*Uganda Lower Secondary Examinations*  
**END OF YEAR EXAMINATIONS 2023**

NAME:.....SIGN:.....

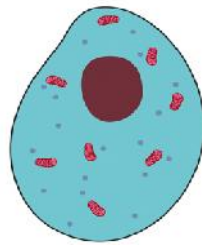
**Instructions**

- This paper consists of two sections A and B.
- Section A has 10 compulsory questions each carrying 4 marks and section B with 4 essay questions each carrying 10 marks.
- Attempt all questions in both sections.
- Answers to section A MUST be written in spaces provided while those to section B MUST be written on answer sheets provided.
- Poor handwriting will lead to loss of marks.
- Table below is for examiners' use only.

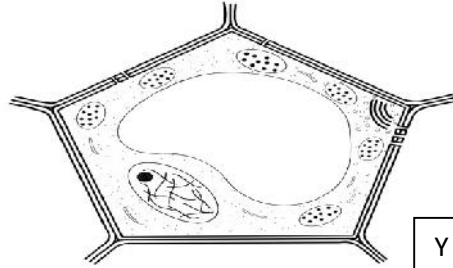
SECTION	SCORE
A	
B	
TOTAL	

## SECTION A

1. While in the laboratory, students of St. Julian high school Seeta campus used a light microscope and viewed the cells of organisms X and Y of which one was extracted from cheek of an animal and another from an onion epithelial.



X



Y

(a) Which of them was extracted from the (2mks)

(i) Animal.....

(ii) Plant.....

(b) State two differences between the two light microscope views X and Y. (3mks)

X	Y

2. In a group discussion at Mpoma HS, two students had an argument whether Viruses are living or non living things. They decided to visit the library and later found out that viruses are considered as living and non living things. Give two reasons that make them

(a) Living

.....  
 .....

(b) Non living

.....  
 .....

3. During preparations to report to school for third term, Bernard checked his books in his suit case and found his books eaten and spoilt by organism M. He got concerned and decided to do research about this organism. The first information that was displayed on internet was the classification of the organism. Fill in the spaces provided to suit the information he got.



Kingdom:.....

Phylum.....

Class:.....

Genus:.....

Species:.....

4. Bacteria are so common and have a lot of effects to the lives of living organisms and as well to non living things. Explain briefly 4 ways in which they are important in nature.

.....

.....

.....

.....

5. Micro organisms are highly applied in daily life activities. One of their applications is in manufacture of foods that we eat daily. As a young nutritionist, choose any food product made by use of microbes. Describe briefly how the product is made.

.....

.....

.....

.....

.....

6. A biology teacher entered senior one class with the following plant organs for study purpose.



A



B



C



D

(a) Identify the plant organs that the teacher entered with in the class room.

.....

.....

.....

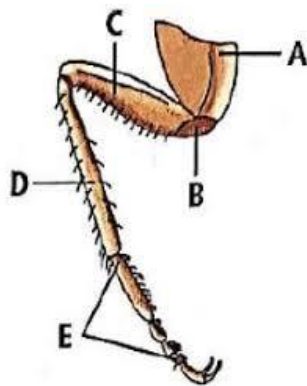
(b) In which way is each of the organs useful to the plant.

.....

.....

.....

7. In senior one a student wanted to research the detailed features of the hind limbs of the cockroach and a bee. He plucked off their hind limbs and took their images and kept them for future analysis



Cockroach



Bee

(a) Describe any two features on the hind limb of a cockroach

.....

.....

(c) Summarize the differences between the hind limbs above in the table below.

Hind limb of a cockroach	Hind limb of a bee

8. A patient from Igoba village was so ill then picked to the main hospital in Bugiri. Doctors on operation found his liver in ill conditions as shown below.



(a).Which viral disease attacked the body organ of that patient?

.....

(b).Write down two ways in which the disease can be transmitted by among humans

.....

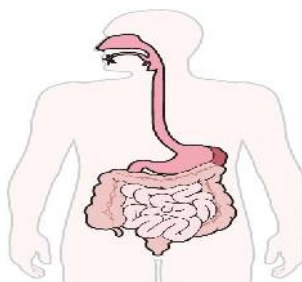
.....

Write down any two signs that you think the patient had.

.....

.....

9. Nakanjako's father had much desire for his daughter to know much about science. One day he bought her a chart on his way back from the super market. The chart had the body structure shown below



(a) Identify the body system that is on the above chart

.....

(b) In which way is the system helpful to the organism

.....

(c) Name any two organs that make up the above system, include their roles.

.....

.....

.....

10. Angiosperms are flowering plants. They are classified into

.....and .....

### **SECTION B**

11. Biology is such a vital subject. This made the Ministry of Education to make it compulsory to lower secondary level. Explain 7 benefits that students acquire as a result of studying it.
- (10 MARKS)
12. Ebola is such a deadly disease that has affected many regions of Uganda. Assuming part of your community is also having this threat. Design a poster having the preventive measures of this virus that can be used to educate people so as to fight against the disease.
13. Anita was tasked to gather different organism under class insecta. List any 4 organisms that anita would collect. Use them to construct a dichotomous key for their easy identification
14. In a discussion group learners were asked by their teacher to find out the similarities and differences between dicotyledonous plants and monocotyledonous plants. He provided them with the plants shown below.



Assuming you were part of the concerned group. Write down your findings to be presented to other group members and to the teacher before harmonization.

(10 MARKS)

**"YES WE CAN"**