

Learner's Name Signature

School District.....

SESEMAT MUKONO REGION
UGANDA LOWER SECONDARY CERTIFICATE OF EDUCATION
COMPETENCE BASED CURRICULUM

END OF YEAR ASSESSMENT - 2023

SENIOR THREE

BIOLOGY

TIME: 2 HOURS

INSTRUCTIONS TO LEARNERS:

This paper consists of four (4) questions.

Attempt *all* questions.

Where necessary, diagrams must be drawn using a sharp pencil.

For Examiner's Use Only				
1	2	3	4	Total Score

Question 1.

A Senior three student lost the key for his suit case in which he had kept his loaf of bread after visitation. A week later, he broke the suit case and found the bread covered by structures as shown in the figure below. Use the photograph to answer the question that follow.



Write an article that can be used to sensitize the community about the organisms and its contributions to society. (19 scores)

Question 2.

Arthropods are some of the most successful organisms in nature. The animals below were collected for a biology practical lesson. Use the photograph to answer the question that follow.



U



V



W



X



Y

Write a practical report that you would submit to your teacher of biology on how you would identify the organisms. (19scores)

Question 3.

A mother weaned (stopped breast feeding) her child after realizing that she was pregnant before the right time. Within three months the child appeared as shown in the figure.



Explain the cause of the appearance of the child and how it could be overcome (19 scores)

Question 4.

A doctor in health Centre III in central region obtained a sample of blood and urine from a patient for analysis. The table below shows the substances found in 100cm^3 of blood plasma and urine of the patient.

Substance	Blood plasma (mg)	Urine (mg)
Plasma proteins	7.6	0
Glucose	0.15	0.1
Sodium ions	0.33	0.35
Chloride ions	0.38	0.60
Urea	0.004	2.0
Water	92	95

Write a message you would give on your school assembly for the difference between the concentration of the substances in blood plasma and urine.
(19 scores)

END