

ST. ANN VOCATIONAL SECONDARY SCHOOL BUSOWA-BUGIRI

BEGINNING OF TERM TWO EXAMINATIONS 2023

SENIOR THREE BIOLOGY

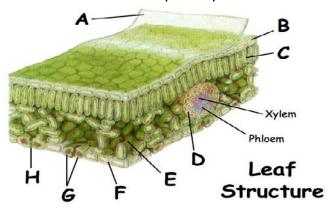
DURATION: 1HRS 30MINS

CICNIATUDE.

NIANAE.

	IVAIVIE	NE	
	INSTRUCTION:		
	This paper consists of only one section with each number carrying ed	qual marks.	
	The paper consists of only 8 questions and so should be marked out of the paper consists of only 8 questions and so should be marked out of the paper consists of only 8 questions and so should be marked out of the paper consists of only 8 questions and so should be marked out of the paper consists of only 8 questions and so should be marked out of the paper consists.	of 80	
	• Attempt all questions		
1.	(a) At St. Ann vocational secondary school, Mr. Emmar the biology teacher gave research work to students about photosynthesis. Group A found out that the term photosynthesis originates from two Greek words photo meaning		
		•••••	

2. A s.2 student was interested in understanding leaf anatomy. He picked a fresh leaf and cut through it to analyze its internal structure. Under the microscope, he was able to view and scan the figure below using a microscope. He didn't know the names of the parts and decided to label them as below. How would you help him do it?



(i) A	(v) E
(ii) B	(vi) <i>G</i>
(iii) <i>C</i>	(vii) H
(iv) D	
(b) How is the figure observed under the mic	roscope above adapts the leaf to carry out
the process of photosynthesis	
·	

3. Soil erosion is one of the great causes of strange famine in Kate village. Farmers are no longer having good yields to be used for food. Roads have developed gullies and transport of food from nearby towns is at a hold. Water runs through rills from highlands to lowlands and poor visibility due to dusty environment.



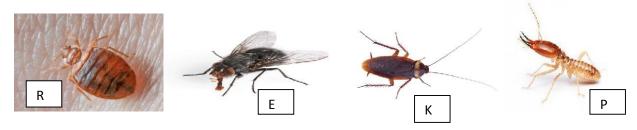
(a) Explain 5 causes of the process that leads to all these circumstances in that village.

-	methods you can advice these peo	ple in Kata village to redu	ce on that process
	icher had an argument with a CRE	teacher whether there ar	re differences and
similarities b	etween the organisms shown below ties and differences where as CRE	v. Biology teacher was say	_
similarities b both similari	etween the organisms shown below	v. Biology teacher was say	_
similarities b both similari similarities As a biology	netween the organisms shown below ties and differences where as CRE	v. Biology teacher was say teacher was saying that	there exists only
similarities b both similari similarities As a biology :	retween the organisms shown below ties and differences where as CRE X student give the differences you was a student give the difference you was a student give the give the give you was a student give the give the give you was a student give you	v. Biology teacher was say teacher was saying that	there exists only
similarities b both similari similarities As a biology : the similariti	etween the organisms shown below ties and differences where as CRE X student give the differences you was to support CRE teacher.	v. Biology teacher was say teacher was saying that Y vould give to support biology	there exists only
similarities b both similari similarities As a biology : the similariti Organism	etween the organisms shown below ties and differences where as CRE X student give the differences you was to support CRE teacher.	v. Biology teacher was say teacher was saying that Y vould give to support biology	there exists only
similarities b both similari similarities As a biology : the similariti Organism (i)	etween the organisms shown below ties and differences where as CRE X student give the differences you was to support CRE teacher.	v. Biology teacher was say teacher was saying that Y vould give to support biology	there exists only

5.	(a) A block is made up of small units called bricks, in living organisms, theses smallest units are called
(c)	Some cells in living organisms are said to be <u>specialized</u> . A sample of them were researched by s.1 students of St. Ann 2023 and the figure is shown below
	P O R
	Explain the meaning of the underlined term and fill in the table below

Cell name	Function	

6. Students of S.1 were doing general cleanliness on Sunday at the school. James in his case found organism K in his bag which had books. Denis found specimen R in his bed. Behind the door of their dorm was a developing hill which was dismantled and inside it was organism P. Fahad and Adidas were cleaning the latrines and organism E was seen.



(a) Identify the phylum to which those organisms belong. Ensure to give a reason for your answer.

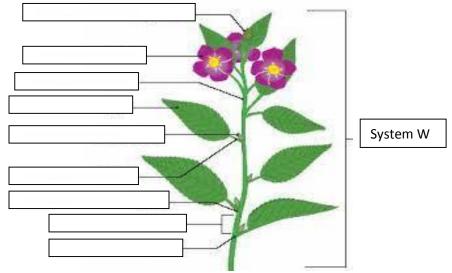
	(b) Describe three charact	reristics common to all th	nese organisms
	(c) Choose any of the organ	nisms and classify it as a	scientist who studied taxonomy.
	(d) Design a dichotomous k	ey of the organisms seer	by those students
7.	. In 2020, the world faced a ser viral disease. One patient was	•	e citizens were found ill of a strange and analysis done on his blood
	was also admitted but his blood	•	as figure T. then another patient h figures T and K(bacterial
	infection cause)		cont Della S

Figure T Figure K

Basing on the doctors observations under microscope, describe three characteristics of each organism he made in the microscope

four ways in which the transmission of the organism observed in figure K can be
ism below is a picture taken from St. Ann vocational sec. school compound. This sused during a class lesson activity and students were able to name all the parts

8.



The organism above has two systems. System W is shown and another system is missing. What are those two systems?

(i) System W	
--------------	--

"The world cannot exist without Biology"

⁽ii) System Missing....