

SHREE SAHAJANAND SECONDARY SCHOOL
SENIOR TWO HOLIDAY ASSIGNMENT
BIOLOGY

FLOWERING PLANTS

SCENARIO

Ssebwatama is a farmer in a village called Kabwangasi. He has a bee hive in the middle of his garden on a mango tree which bears a lot of ripe fruits. In the same garden, there are many flowering plants including beans, maize and sweet potatoes. Students from a neighboring school and some members of the village trespass into his garden to eat the ripe mangoes. Ssebwatama is annoyed and fed up of this act by students and villagers and he is wishing to cut down the mango tree

SUPPORT MATERIAL



TASK

In not more than 500 words, Using your knowledge of life processes, write a letter to Ssebwatama explaining to him the different interactions of organisms that he will destroy once he cuts down that mango tree and give him advises on why he should not cut down the mango tree.

CHEMISTRY

1. Starting with the word equation, Write well balanced equations between the following

- a) Sodium hydroxide and hydrochloric acid
- b) Potassium and oxygen
- c) Zinc and chlorine
- d) Copper and chlorine
- e) Copper and oxygen
- f) Zinc and oxygen
- g) Silicon and chlorine
- h) Silicon and oxygen
- i) Carbon and oxygen
- j) Aluminium and fluorine
- k) Neon and oxygen
- l) Argon and chlorine
- m) Nitrogen and oxygen
- n) Lithium and oxygen
- o) Lithium and chlorine
- p) Helium and oxygen
- q) Potassium and fluorine
- r) Iron and oxygen

- s) Iron and chlorine
2. Evaporation is one of the methods of separation of a mixture, design a mixture of your choice (consult the teacher about your choice mixture) then carry out an experiment, record a video on how this process happens. Present the video to the teacher via whatsapp before 10th September 2023.
 3. Acids and bases are common substances present in our homes and communities around us. Explain the common acids and bases present in our surrounding and give a detailed explanation on the uses of these acids and bases.
 4. What is the periodic table? (In your explanation, give the origin of the periodic table, and explain its arrangement)

CHRISTIAN RELIGIOUS EDUCATION

MARRIAGE

Marriage is the union of man and woman as husband and wife according to a given society.

1. Consult the elders or people in your community about the steps involved in preparation of marriage in your community.

Present the steps in a power point presentation and attach photos and send to cnakigand912@gmail.com

2. As a student of Christian religious education, make a comparison between the traditional marriage and a Christian marriage.
3. According to the steps followed in the observing of marriage in your community. What are the good practices observed in a traditional marriage?

ENGLISH LANGUAGE

Topic: Travel

1. A group of tourists has sent you an email informing you of their plans to come and visit your school. They have requested you to avail them with any useful information that would help them during their visit to your school. Write a letter replying to their email and guiding them to reach your school.
2. Imagine it is World Environment Day. The theme of this year is climate change. Your school has been invited and they have selected you to be their keynote speaker. Prepare a speech raising awareness against climate change that you would deliver at the celebrations. The chief guest is the Minister for Environment, among other guests like the MP of Bukoto.

ENTREPRENUERSHIP

THEORY WORK:

1. You own a small restaurant in one of the city suburbs.
 - a) Develop its general description
 - b) Prepare its:
 - (i) Production plan
 - (ii) Marketing plan
 - (iii) Organizational plan
- 20mks

2. Kulika bottling company in Kasese District is recruiting a production Manager. Write a job advertisement for the post of production manager.

10mks

3. You are general manager of one of the leading restaurants in a city suburb and you are planning to recruit a sales manager prepare a job description.

10mks

PROJECT WORK:

With your creativity and innovative skills, you are to make at least 10 paper Envelopes of all Sizes, and 10 paper Bags of all Sizes.

FINE ART

Research about the following;

1. What is basketry?
2. Techniques / methods of making basketry.
3. Why is basketry important in your community?
4. Differentiate between coiling and wicker work as terms used in basketry.
5. List down the steps followed when making basketry.

GEOGRAPHY

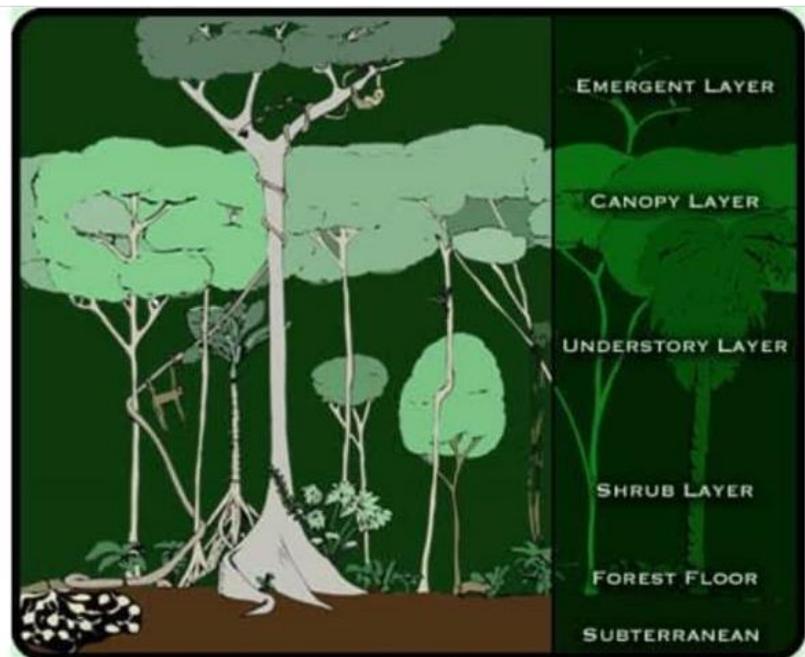
SCENARIO:

The Equatorial vegetation of East Africa is commonly found in the areas receiving heavy rains of over 1500mm throughout the year and these areas are basically found in the lakes region of East Africa, the coastal areas of the Indian ocean, the river boundaries, the valley and steep mountain area slopes and even some in the open regions; try to leave any deforested area for years it will regenerate into a thick Equatorial forest.

Possibly this could be the only region in the world with a variety of natural wild animals and plants, wild fruits and honey, pure and natural scent and commonly known as the “**Eden of the Universe**” and to Uganda; this region has won it a prestigious name as “**The pearl of Africa**”

However, if we do not conserve our environment Uganda is likely to turn into a desert, Lakes will be no more, plants will die, animals will extinct and global temperatures will rise and famine will be frequent.

SUPPORT FILE



TASK:

Write down an essay of 500 words explaining

- i) How the natural vegetation in the passage is of an advantage,
- ii) How it has been destroyed and
- iii) How it can be conserved for the future generation.

HISTORY AND POLITICAL EDUCATION

“The Ngoni migrants adapted to their environment in East Africa by retaining some aspects of their Southern African culture. They also retained their way of life while adapting others to the ones of their East African captives.

They retained their political structure like hereditary rule by royal families and aspects of the military structure of using the cow-horn method, use of short stabbing spears, war songs and melodies, ruthlessness, surprise attacks, strong and adopted new words in their vocabulary, spying networks. They also retained their name and certain aspects of their culture and economy.

Those which changed included political organization on the village level and much of the military organization. They changed the language and many aspects of religion and most of the culture and economy which they copied from the conquered tribes and the inter-marriages they made.

Because leadership continued to be restricted to members of the royal families, there arose fights amongst themselves to decide who would succeed the leader as soon as he died and in most cases fights were staged to find a strongest succession leader.

On the other hand, the fact that the Ngoni migrants adopted the East African culture, this helps to explain why their rule survived during and after the colonial occupation and rule in southern Tanganyika.”

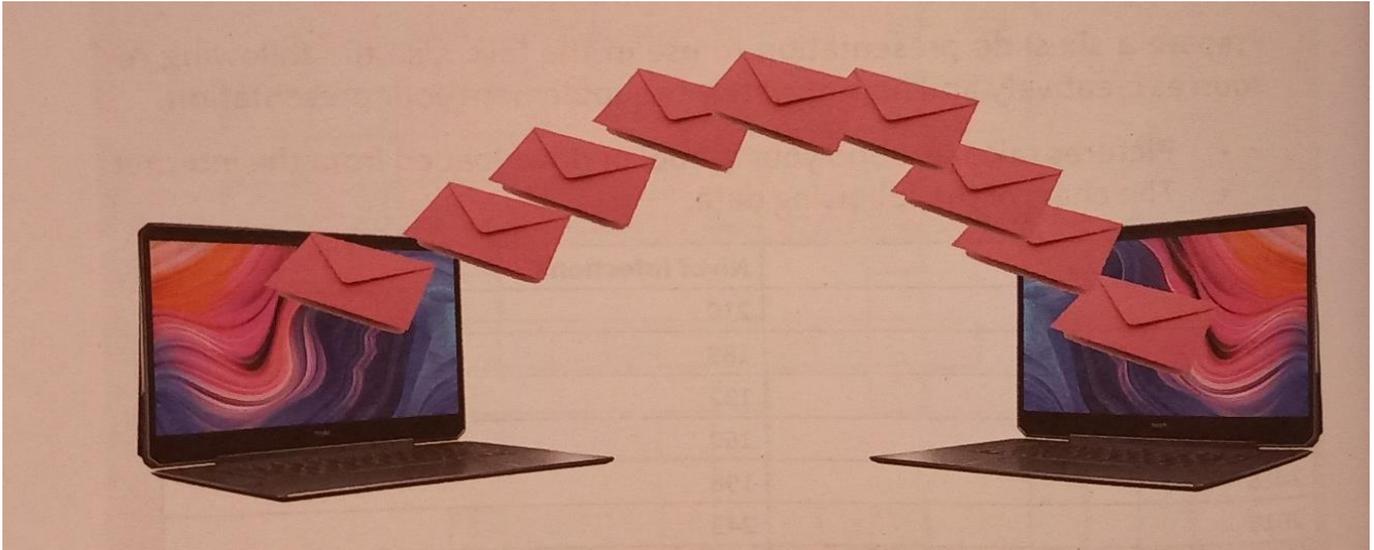
SUPPORT FILE:



- a) What does the source talk about the political organization of the Ngoni?
- b) Why do you think the indigenous East African societies were easily defeated by invaders?
- c) What do you think the people of Tanzania would have missed if the Ngoni had not come?

ICT

1. In your daily life, you have been accessing or receiving information and sharing or writing letters to your friends and parents. You generate and access information every day and share it in various ways. Even your school has information about learner's enrolment, academics, learner's health and so on, which it may share with different offices.



- a) List four things you would want to share with your parents or friends about your school.
- b) Describe how you will be able to share the information in (a) above with your parents and friends
- c) Give the benefits of one of method you have used in (b) to share information.
- d) Give the difference between information sharing and information accessing.

KISWAHILI

Kidato cha pili

Read the following story and answer the questions that follow.

1.Hadithi kuhusu sherehe ya kuwapa watoto majina

Hapo zamani za kale katika jamii ya wanyankole, kukafanyika sherehe kubwa ya kuwapa majina katikafamilia familia ya bwana Tungotwo na mkwe bi kamashaza katika kijiji cha bwera. Kulingana na utamaduni, kila mtoto aliyezaliwa lazima alichukuliwa kwa akina babu kupatiwa jina. Sas bwana Tungotyoy na mkwewe Bi. Kamashaza ambao walizaa mapacha wa kiume, ikawa zamu yao kuwachukua kwa babu ili wapatiwe majina.

Kilingana na utamaduni kilikuwa na majina maalumu ya mapacha angalau kila pacha alipewa jina moja yaani mvulana aliyetagulia kuzaliwa akiitwa Kakuru na mvulana wa mwisho akiitwa kato.

Wakiwa wasichana wa kwanza ni nyangoma na wa mwisho ni nyakato. Kazi ya wazee ilikuwa ni kutkeleza shughuli yao ya kuhalalisha majina hayo mbele ya wazazi wa watoto na jamaa wengine wa familia.

Katika siku ya sherehe hiyo jamaa wote wa familia waka alikwa ambapo mbuzi watatu walichinjwa mitungi mikubwa ya pombe ikatayarishwa, wazee na waalikwa na watu wakasherekea mazariwa hapo papo.

Maswali questions.

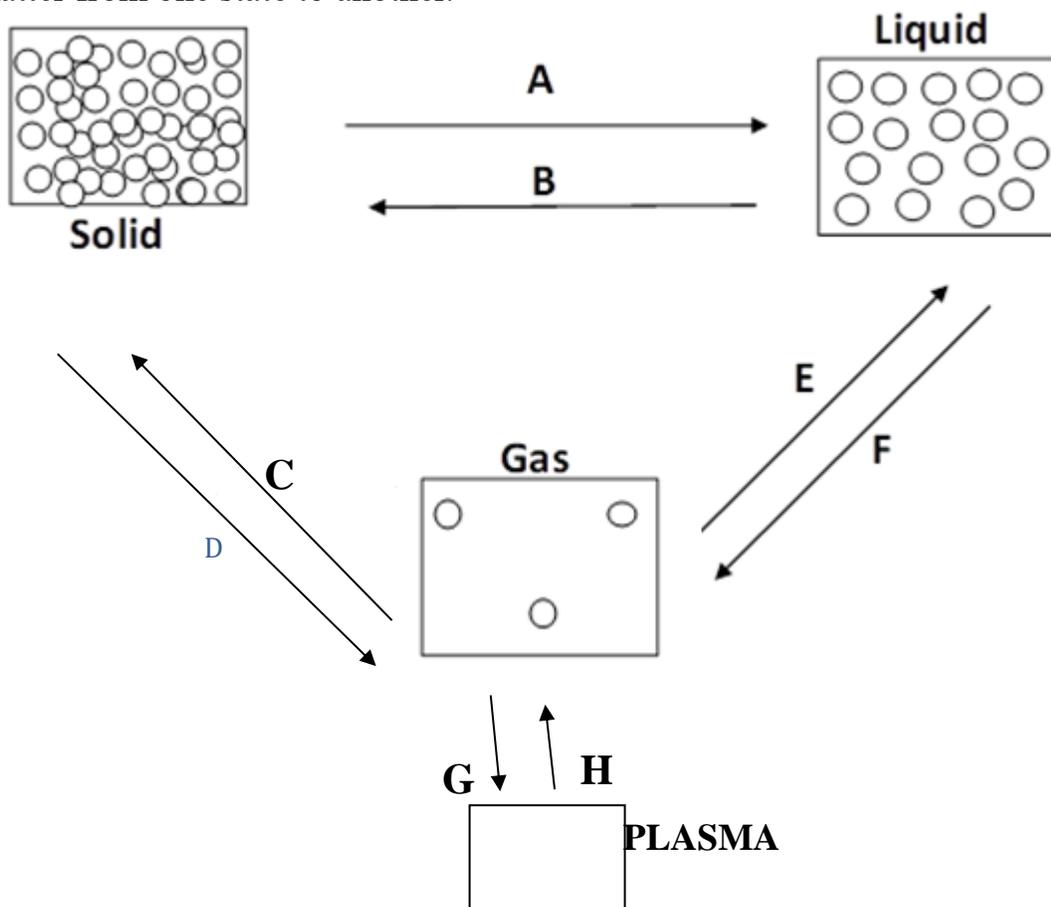
a.Andika majina ya wasichana wa mapacha? 4marks

b.Kato ni jina la mtoto gani? 2 mrks

PHYSICS

SECTION A

1. As you move around your school, You must have noticed some safety precautions as measures taken by the school to ensure safety of the students. Mention any four precautions you have noticed in your school
2. An argument has erupted among learners on how figures can be written in standard form or scientific notation. Help in solving the argument by writing the following in scientific notation or standard form .
 - a) 0.000045
 - b) 254000
 - c) 5
 - d) 0.0002
3. Study the figure below and help your colleagues understand the different changes in matter from one state to another.



- A;.....
- B;.....
- C;.....
- D;.....
- E;.....
- F;.....
- G;.....
- H;.....

4. Many people in Uganda always find it hard to convert from one unit of time to another.

As a student of SSSU, Prove that you got no challenge in the same task by converting the following units of time to a given one.

a) 3 years to hours

b) 21 days to seconds.

5. State any four apparatus found in a science laboratory.

State what each of the apparatus stated can be used for.

SECTION B

6. During your school visitation, Parents and guardians flooded the school compound and as part of the school way of promoting themselves to the outside community, you are one of the students selected to show the parents around the school laboratory.

Task

- a. You have been selected as one of the few students to guide parents and guardian through the laboratory tour. Organise a speech you are going to present about the physics laboratory and don't forget to inform them about the rules and regulations they must abide by as they enter the laboratory for the tour.

- b. Mention to them any 5 apparatus found in a physics laboratory giving them use.
- 7. The physic teacher entered your class and introduced a topic “States of matter”. However one student called Olinga was absent on that day.
 - a) With illustration, Explain to Olinga by writing short notes about the different states of matter. Give examples where necessary.
 - b) Make him to also understand the meaning of diffusion.

PHYSICAL EDUCATION

Fitness testing and training are important activities that any coach, players and fitness instructor must carryout in order to have the athletes reach the required level of physical performance. The testing is made on the various components of physical fitness, both health-related and skill-related fitness. Research about how you can test for the following components of physical fitness;

- a. Flexibility (5marks)
- b. Speed (5 marks)
- c. Body composition (5 marks)
- d. Coordination (5 marks)
- e. Agility (5 marks)
- f. Muscular endurance (5 marks)
- g. Cardiovascular endurance (5 marks)
- h. power (5 marks)
- i. Balance (5 marks)

MATHEMATICS

1. Uganda's population is growing rapidly. In 2002, the population was 24.2 million and it is estimated to be 45.7 million in 2020. Uganda has one of the youngest populations in the world and this has come with youth unemployment. Different stakeholders understand the numbers differently. Some prefer the numbers written as fractions, others as decimals, while others as percentages.

Support:

The table below shows projections of Uganda's population statistics (millions) in 2020.

Category	Number of people (millions)	Percentage (%)	Fraction	Decimals
Total population	45.7			
Females		51		
Males			$\frac{22}{45}$	
Youth	34			
Rural population			$\frac{34}{45}$	

Urban population				0.24
Youth unemployment		2		
Islam		12		
Christianity	38			
Other religions	0.9			

Extract from UBOS 2020

Resources:

- Knowledge of fractions, percentages and decimals
- Knowledge of calculating a percentage, fraction and decimal of a given quantity.

Task:

By completing the table, help all the stakeholders to understand the figures.

2. A person walks from home for 10 minutes to a distance of 1Km. They then stop for 5 minutes, and then run at a speed of 8km/h further away from home. After 45 minutes, they immediately change direction and run towards home at a speed of 7km/h.
 - a) Draw a distance-time graph to represent their journey.
 - b) Assuming the journey from home was started at 7:30a.m., at what time did the person reach home on the return journey?

3.

a) If $3^x=27$, find the value of x .

b) Evaluate $20^7 \div 20^5$.

c) Write 8^{2x+3} in the form of 2^y and express the relation between x and y .

d) Evaluate;

i) $125^{2/3}$

ii) $625^{3/4}$