

**ST. JOSEPH'S SS KAKINDU
HOLIDAY PACKAGE-TAKE HOME WORK- TO BE SUBMITTED UPON REPORTING
BACK FOR TERM ONE 2025**

HOLIDAY WORK FOR SENIOR THREE (2024)

CHEMISTRY

Item 1

During her school holidays, Eva visited her Aunt who works at a stone quarry, she noticed that explosives were being used to blast big rocks to form small stones (aggregates) and there was a lot of dust rising into air.

Besides the social benefits, Eva was concerned about what would happen to the site and community if the activity continued overtime.

Task

As a learner of chemistry, make a write up to respond to Eva's concern.

Item 2

In the village of Nkondo which is on lake shores in Kamuli District, people are found washing near the lake, practicing agriculture and setting up industries. They are now facing a challenge of low water quality. The chairperson of Nkondo village has organized an emergency meeting with a theme:

"WATER CONSERVATION IS EVERYONE'S RESPONSIBILITY "

Task

As a chemistry learner who is a member of the village make a write up about the theme that you Will present in the village meeting upon invitation.

GEOGRAPHY

Your sub-county has a number of physical features one of which is a river which originates from one of the highlands in the area and ends in the lake in the neighbouring sub-county. The government is encouraging all sub-counties in the country to use the existing natural resources to improve lives of people. However, your sub-county has not been able to use the river. You have been invited for a council meeting to sensitise the community members on how they can use the river to improve their lives.

Task:

Prepare a written speech of about 500 words which you will present in the council meeting

According to the 2021 Uganda Population Survey, the country's population was estimated to be 42 million, and growing at a rate of 3 % per year.

At this rate, the country's population is expected to reach 72.4 million people by 2040; representing an annual increase of 1.6 million people per year.

Members of your community have different views about this rate of population growth. Some see it as a benefit, while others think it is a danger to the country.

Table showing Uganda's population between 1980 and 2023

YEAR POPULATION(in millions)

1980 12.6

1991 16.7

2002 24.2

2014 34.6

2023 48.6

Task:

- (a) Draw a suitable graph to show the information in the table.
- (b) Using the information provided in the text and table, write an article of between 250 – 300 to be published in one of the local newspapers that will help you deal with the concerns of the members of your community.

BIOLOGY

Item 1.

In a village in western Uganda, swamps have been cleared for cattle farmlands and sand mining. The area environment officer organized a radio talk show on sustainable use of natural resources in swamps. Unfortunately, Mary a resident of the area only heard the concluding statement, “From the presentation, I kindly request everybody to use our natural resources sustainably.”

Task

Explain to Mary the environmental problems being addressed by the environment officer and how they can be solved. Explain why the village should conserve the natural resources in the swamps.

Item 2.

As a result of a civil war in one of the countries neighbouring Uganda, many people entered Uganda as refugees. The local authority decided to settle the refugees on a piece of land, part of which was covered by a forest reserve next to a swamp. Several challenges arose in the community.

Task

Explain to the community how the environmental challenges came about. Advise them on how to minimize effects of the challenges and show the value of conserving the environment in the area.

HISTORY AND POLITICAL EDUCATION

Item 1.

Descendants of the same great grandparents (ancestry) who have lived in three distant areas for five generations decided to hold a clan reunion. During the reunion all members from the three groups were expected to share their origins. However, conflicting stories about their ancestry came up, resulting into doubts about whether they truly originated from the same great grandparents.

Task:

Explain to the above members the steps they should follow to confirm their origins.

MTC

You have friends who rear cows and goats. During the festive season, they want to sell at most 10 of their cows and at least 8 of their goats. They also want to ensure that the number of goats they sell are less than twice the number of cows. They also do not want to sell more than 20 animals all together. They wish to maximise sales by selling each goat at Shs200,000/= and each cow at Shs1.5 millions but they do not know the number of goats and cows to sell to fulfil their wish.

Task:

- (a) Write mathematical statements that show the relation between the cows and goats.

(b) Show the feasible region of the relation on the Cartesian plane.

(c) Help your friends to determine the maximum amount of money they will possibly make from the sale of cows and goats.

PHYSICS

1. Two people stood in the middle of two cliffs at an unknown distance between them. The woman calls the boy and she hears herself 5 seconds later and the boy hears the second sound after 4 seconds. The two discovered that their sound was clearer at night than during the day. The scenarios left them confused without understanding the magic in the hall.

TASK:

As a physics student;

- i) What is the scientific name is given to this second sound? **(1 score)**
- ii) Help the two people understand why the sound was clearer at night than that during the day.

ITEM2

New vision

Sad news!!! Sad news!!! Sad news!!!

Today in the morning at Fountain of Hope Junior School, two pupils were found dead in a down tank which is 10 meters long below the ground. The head teacher was arrested immediately and the Vision Group interacted with him and says that, the pupils were fetching water from the tank using a rope tied on the

jerry can which had a capacity of containing water up to the weight of 10 kg. The government is taking a step of closing the school tomorrow and to arrest all the teachers.

SUPPORT MATERIA

- **The rope**
- **The same jerry can**
- Ametallic bar or along moderate piece of wood
- Wheel of abicycle

TASK

Help the school come up with a simple machine they can use at the moment to protect it from being closed. Show all the necessary steps and illustration of this machine. Also guide the pupils on how to operate the machine using the least possible energy. (20 scores)

ENGLISH

1. You are the chairperson of the Debate Club at your school. Your neighbouring school has always requested you to organise a friendly debate and you are finally organising one. Write to the Patron of the Debate Club of the neighbouring school. (Use 250 – 300 words.)

2. A student switched off lights during evening lessons. Your name was mentioned among the

suspects. You were summoned to the disciplinary committee. Write your talk or chat with the chairperson disciplinary committee. (Use 250 – 300 words.)

CRE

In some village in Uganda, existed a polygamous marriage, in which a man had two wives with six children. However, he had not yet fulfilled marital obligations of bride price payment and Church wedding with any of the wives. The man separated with one of the wives due to marital unfaithfulness (adultery). She left behind her children with the man and the co-wife. The remaining wife then took responsibility for all the six children but she now feels that the step children should leave the home for her convenience. The husband is not in agreement with her idea and feels all the children should stay in his home.

Tasks:

- (a) Explain the Christian values that the scenario teaches young people about marriage.
- (b) Explain Traditional African marriage approaches that should have been used to keep the marriage in the scenario stable

ICT

A few days ago, thieves broke into the computer laboratory of a school and stole various equipment. The network server was amongst the stolen equipment and a lot of the school's important information was lost. As it all happened, some computer parts were broken and scattered all over the laboratory floor.

The following morning, the laboratory attendant collected the damaged parts in a box and dumped them at the garbage pit assuming that most of them would no longer function.

TASK

- (a) Advise the laboratory attendant and the school management on what could have caused such occurrences and the measures they should put in place to prevent similar incidences.
- (b) Demonstrate how the school and other partners can manage the items dumped at the garbage pit.

AGRICULTURE

Item 1

In the struggle to ensure food security by the government of Uganda. Agricultural institutions including NARO have embarked on the task of providing Agricultural inputs such as tools, fertilizers and pesticides. This has been spearheaded by the continuous low production as a result of the low soil fertility, pests and diseases which affect farmer's yield. However, many farmers especially in remote areas have been forward storing fertilizers in stores used to keep harvested produce, some keep the pesticides in soda bottles, and any they don't use any protective gears when applying the fertilizers and pesticides. In addition, according to the report by the extension officer, many farmers were found using the tools to perform tasks that they were not designed for and neglecting the cleaning and repairing of the damaged ones.

TASK

In your opinion, advise these farmers on the proper use and the safety precautions they should take when using the different inputs.give to these farmers?

ART AND DESIGN

1. The Greek art department is offering scholarship to students offering art and design in African countries including Uganda. One of the requirements for qualification is knowing the history of Greece art.

TASK

As a learner who studied art and design, Apply for the scholarship

THE END

**MERRY X-MASS AND HAPPY NEW YEAR 2025
ENCOURAGE YOUR FRIEND TO ENCOURAGE A FRIEND
TO COME TO ST. JOSEPH'S SS KAKINDU**