

GEOGRAPHY

According to the 2024 census, Kampala's city proper population is 1,797,722. The city services as Uganda's capital with a high population density of over 22,500 people per km². The broader metropolitan area hosts a significantly higher population, estimated over 4 million. This is posing a lot of challenges to the environment.

Population in Kampala in selected divisions as per 2024 census

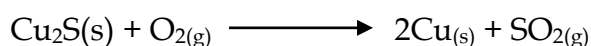
Division	Number of people
Makindye	486,762
Nakawa	386,536
Kawempe	294,056
Kampala Central	81,658

Task:

- Illustrate the above information on a bar graph.
- Write an essay on the factors for rapid population growth in Kampala city.
- Give an explanation on the benefits of a large population to the development of Uganda.

CHEMISTRY

An industrial company aims to produce a useful element form copper(I) sulphide, a black powder. This involves roasting copper (I) sulphide in controlled amounts of air according to the equation below.



The company wants to determine the mass of element that can be obtained from the reaction for further purification, as well as the volume of gaseous product formed as this gas has potential industrial applications. Prior to full-scale production, an experiment was conducted where 32.0g of copper (I) sulphide was reacted with excess air. You have been consulted for help,

Task: As a chemistry learner;

- Explain the category of;
 - Structure exhibited by solid product
 - Bond that exists in gaseous product
- Suggest the properties of the solid product that make it useful in daily life resulting from its type of structure.
- Calculate the:
 - Mass of the solid product formed
 - Volume of the gaseous product measured at s.t.p that was formed.
- Explain the impact of each of the products on the environment.

TECHNICAL DRAWING

A small manufacturing workshop in Kampala is producing a metal funnel used for transferring liquids. The funnel consists of a conical surface mounted on a short cylindrical pipe. The design specifications are:

- Cone has a base diameter of 100mm and vertical height of 100mm,
- The cylindrical pipe attached to the bottom has a diameter of 40mm and a height of 60mm,
- The funnel is made from a thin sheet of metal and must be formed by developing the surfaces. Illustrate geometrically how the two developments can be designed.

TERM ONE 2026 – SENIOR FOUR – HOLIDAY WORK

CRE

“Do not spread false rumours, and do not help a guilty person by giving false evidence. Do not follow the majority when they do wrong or when they give evidence that perverts justice. Do not show partiality to a poor person at his trial. “If you happen to see your enemy's cow or donkey running loose, take it back to him. If his donkey has fallen under its load, help him get the donkey to its feet again; don't just walk off. “Do not deny justice to a poor person when he appears in court. Do not make false accusations, and do not put an innocent person to death, for I will condemn anyone who does such an evil thing. Do not accept a bribe, for a bribe makes people blind to what is right and ruins the cause of those who are innocent. “Do not ill-treat a foreigner; you know how it feels to be a foreigner, because you were foreigners in Egypt. (Exodus 23:1-9)

Task

- (a) How should Ugandans promote justice in light with the above Bible text?
- (b) Explain the challenges/problems that are likely to be faced if they go against the teachings recommended in the above text.

KISWAHILI

Mwenyekiti wa ngazi ya kwanza wa eneo lak alitisha mkutano. Hii ilikuwa kwa sababu ya ukosefu wa usalama ambao ulikuwa umesababisha wasi wasi na uoga mwingi katika jamii. Wewe ni mmoja wa waliohudhura mkutano huo kama katibu. Andika yaliyojadiliwa.

ENGLISH

1. Summary question 11 – page 28
2. Item 2 – task 19 – page 112
3. Functional writing – task 1 – page 172
4. Creative writing – task 14 – page 148

PHYSICAL EDUCATION

In a given community, they have experienced significant social unrest and conflict between two ethnic groups of recent. They are ever fighting due to a given piece of land which separates them, where each group claims to be the legal owners. The local schools have been affected and the students are starting to feel the impact of the tension in their neighbourhood. As a PE student, you want to create a safe and inclusive environment that promotes teamwork, cooperation and conflict resolution through physical activity.

TASK

- a) What are the impacts such continued unrests?
- b) Suggest recommendations on how to solve them through use of physical education and sports
- c) How can we increase community engagement in sports?

BIOLOGY

Respond to one item from this part. Responses to this section should be written on separate book lets provided.

TERM ONE 2026 – SENIOR FOUR – HOLIDAY WORK

ITEM 4

A natural forest near a water body was cleared to grow cabbages only on large scale. The cabbages were regularly sprayed with insecticides to control pests, artificial fertilizers applied to boost on the yields but the fishermen complained of reduced fish catch and wild animals are now encroaching on people's crops of the surrounding community reduced harvest of cabbages.

Task

- a) Explain the cause of the challenges in the community.
- b) Explain the measures that should be taken to reduce on the above challenges.

ITEM 5

The residents of Mukono used to dump their domestic wastes in a nearby swamp. The fresh vegetation of the swamp together with the dumped waste allowed interaction of different organisms. An investor filled part of the swamp with marrum (red soil) and constructed in factory. The factory directs its wastes into the stream in the swamp. The residents and the entire natural community of organisms no longer enjoy the benefits of the swamp.

Task

- a) Explain how the investor's actions denied residents and environment the benefits of the swamp they used to get from the swamp.
- b) Suggest the importance of conserving such areas described in the scenario.

PART II

Respond to one item from this part. Responses to this part should be written in the answer booklet provides.

ITEM 6

In an attempt to maintain her slender figure. Sarah decides to skip meals of supper and lunch. She mainly depended on to sweets and simple snacks and rarely brushed her teeth. Sarah was smoking marijuana and taking a lot of alcohol but however she became bony, frequently fall sick, she also had soft bone, toothaches and cannot see well at night when she went to the hospital, the doctor's medical report indicated that all these challenges was contributed to her life style and this affected his stay at school.

Task

- a) Explain how her life style caused the above challenges.
- b) Explain how Sarah can overcome the above challenges to raise his esteem and stay **at school**.

ITEM 7

David's 8-year-old son was attacked by a sickness that resulted in the breathing difficulties, high body temperature, vomiting, and soars in the mouth and ulcers in the small intestines. The baby was rushed to the hospital and after some treatment, the breathing normalized and vomiting ceased. The doctors advised that although the son was on treatment but he was anaemic and the most appropriate diet should be given to him to enable him to recover fully in time.

TERM ONE 2026 – SENIOR FOUR – HOLIDAY WORK

Tasks

- a) Explain how the sickness affected the normal functioning of the son's body.
- b) Suggest the appropriate diet with reason that will enable the son to recover fully as per the doctor's advice.

AGRICULTURE

SECTION A (SOIL SCIENCE)

Item 1

Angelina acquired land from her friend on a temporary basis to grow maize. The land has an uneven surface characterized by a mixture of deep, shallow and long channels. The soil appears pale grey, it's sticky and holds water on the surface. The roots of the crops growing on the land are short and branched excessively. Recently when she uprooted some of the crops, she observed that their roots were decaying. The leaves of the crops had also turned purplish, so she applied urea fertilizers. Angelina is worried about the status of her crops and has approached you for possible remedies.

Task: Suggest to Angelina the remedies she can take to address her worries (*your suggestions should include reasons*)

SECTION B (ANIMAL PRODUCTION)

Item 2

Joseph rears five Friesian cows under the zero-grazing system. He also keeps a bull for breeding. He planted elephant grass and green leaf desmodium to feed the animals. He has a water source located 400 meters away from the zero-grazing unit. The water in the drinking troughs appears greenish in color. After calving, the calf is allowed to suckle the mother for a day and after which it is fed on whole milk using a bucket. Some of the calves pass out loose dung with a foul smell. One day, one of the cows started developing a swollen stomach and was breathing with difficulty. Two others had wounds on their bodies inflicted on them by other cows. Joseph milks the cows by holding the teats at the base between the thumb and the fore finger and pulls the teats. Usually when he is milking, the cows kick the plastic milking buckets. Joseph complains that he is not getting enough from his farm.

Task: Explain how Joseph can ensure increased productivity on his farm.

SECTION C (CROP PRODUCTION)

Item 3

Dumba decided to establish Congo signal grass to feed his animals. He prepared the seed bed with large lumps of soil on his two hectares of land. He then obtained seeds from open market and then planted them at a rate of one kilogram per hectare. Upon germination, couch grass was also seen in the pasture land. He allowed the animals to graze on the pasture soon after establishment and grazing continued throughout the year. During this time, he removed the weeds from the pasture and also applied fertilizers. The animals were drinking from one watering point. During the rainy season, Dumba uprooted the pasture plants that had flowered and used them to make silage. Dumba realized his pasture was not doing well and has approached you for technical advice on how to improve its yields.

The recommended seed rate for Congo signal grass pasture established is 2.5 to 10 kilograms per hectare.

TERM ONE 2026 – SENIOR FOUR – HOLIDAY WORK

Task: Advise Dumba on how he can improve the yields from his pasture (your advice should include the reason).

ART

Scenario: In your local community, many small-scale entrepreneurs' (e.g., Women selling hand-pressed passion fruit juice, honey harvesters, or youth making liquid soap) produce high quality goods. But the products have poor packaging and branding hence struggle to sell them in larger supermarkets or to tourists. They losing income simply because their products do not speak to the customers.

TASK: You are a graphic consultant tasked with helping one of these local producers professionalize their brand to increase their household income. Produce a brand identity and packaging solution for a specific local product of your choice.

LITERATURE

Society today is seriously affected by a number of evils practiced among the people. As a result, there is disharmony and people do not seem to care about others. explain the different vices and evils in the society of Francis Imbuga's "Betrayal in the City".