

MATHEMATICS

ITEM 1

- a) At BankHill College, Senior three has Three streams A.B and C. each stream has 28, 42 and 56 students respectively. The class teacher wants to divide each class into groups so that every group in every stream has the same number of students and there are no students left over. Help the class teacher find out the maximum number of students he/ she can put into each group.
- b) Kevin and his two sisters, Grace and Sheeba stay at their places of work in Dubai. They decided to pay regular visits to their parents in Uganda. Kevin visits them after every 12 days while Grace and Sheeba visit their parents after 36 and 48 days respectively. If they all visited them today, after how many days will they them altogether again.
- c) Franco plans to use his monthly salary for April such that he remains with some money for saving. He wants a total expenditure of **1,000,000** after spending $\frac{1}{3}$ of his salary on rent and $\frac{3}{4}$ of the remainder on entertainment. Help Franco. Calculate his saving for this month.

ITEM 2

Due to poor performance in Agriculture that was observed among learners in the school Administration through academic board came up with strategies to improve on the learners' performance. Some of the strategies are that a prize is given to learners scoring above **70%** and a remedial exam be given to learners scoring at most **50%**. An exam was given to 5.3 and marks were obtained below.

38	74	28	32	10	31	49	34	50
30	56	50	42	38	64	24	64	09
18	35	12	52	41	27	08	48	22
42	43	52	59	72	70	15	79	29

- a) Help the administration to find;
- Number of learners to be awarded prizes.
 - Number of learners to be given a remedial
- b) Calculate and present the mark (%) that was scored by all the students to the administration.

ITEM III

The director has provided a rectangular plot of land measuring 4.8m by 7.5m to a group of learners offering Agriculture to grow tomato plants and pepper plants in order to improve on the diet of the learners' meals as well as to cut the expenditure on ingredients by the school. Each tomato plants needs $2.4m^2$ of space and pepper plants need $1.5m^2$ of space.

TASK

- Write a mathematical statement connecting the plants and the space provided.
- Due to limited space, the director suggested that 15 tomato plants should be grown. Do you agree with the director; give a reason for your answer.
- Advise the agriculture class on how they can utilize the given piece of land appropriately.

ITEM IV

- Student took the measurements of the length and width of a chalkboard in a certain classroom. He found out that the length is 6 times its width. He estimated the distance around it and found it was at most 1050cm
 - Mathematically, present a statement connecting the length, width and the distance around the chalk board.
 - Help the learner find the maximum possible dimensions of the chalk board.
- Abdul Karim is given Ugx **50,000** as pocket money while reporting for a new term. He wants to have at least Ugx **20,000** at the end of the term so that he can use it to buy a rabbit. Karim has decided to use Ugx **3,000** per week.

TASK

Determine the number of weeks a term should have at Abdul Karim's school.

ITEM V

In a bid to increase coffee production in Masaka district, the government of Uganda through operation wealth creation (OWC) provided **10** farmers with different quantities of fertilisers. The yields obtained by the farmers after using the fertilisers are summarized below.

FARMERS	Amount of Fertilisers received (kg)	Yields obtained received (kg)
Lutaaya	20	500
Kigozi	30	540
Nabirye	35	585
Ssemanda	45	632
Ayebare	50	670
Ssonko	57	699

Kato	60	725
Kanakulya	64	765
Nanyondo	71	865
Wameri	79	915

TASK

- Use a graph to discuss the relationship between the amount of fertilisers used and the yields obtained.
- What advice do you give to the government regarding the above program?

STUDIO TECHNOLOGY

- Differentiate between Tints and Shade.
(4marks)
 - Suggest the use of a colour.
(5marks)
- Mention four techniques used in shading and drawings.
(4marks)
 - Define the following element of art and design
 - Line.....
(2marks)
 - Tone.....
(2marks)
 - Texture
(2marks)
 - Colour.....
(2marks)
 - Form.....
(2marks)

3. (a) Differentiate between primary and secondary colour.

(4 marks)

(b) Give and explain three properties of colour.

(3 marks)

4. (a) Define the term balance?

(2marks)

(b) Define the following types of balance.

(i) Symmetrical balance.

(2 marks)

(ii) Asymmetrical balance.

(2 marks)

5. (a) Define the term principal of art and design

(2marks)

(b) Explain the following principal of art and design.

(i) Rhythm.....

(2 marks)

(ii) Emphasis.....

(2marks)

(iii) Perspective.....

(2 marks)

6. (a) Differentiate between materials and tools.

(4 marks)

(b) give four materials and four tools used in art.

(6 marks)

7. (a) Define the term specie.

(2 marks)

(b) With a help of illustrations, explain two types of space.

(4 marks)

1. In an area measuring 15cm x 20cm, Design a badge for a school called *Elisha Junior School*. The school's motto "**Light the World**". Use not more than 3 colours.
2. In an area measuring 15cm x 20cm, Design a badge for a school called *Little flowers Junior School*. the school's motto is "**Fruitful; flowers.**" Use not more than 3 colours.

CHEMISTRY

1. In Bududa District, communities around Mount Elgon forest have been cutting down trees in the forest to obtain wood and charcoal for cooking in their homes.
Despite the government restrictions to conserve the natural environment, the residents have continued to fell trees for charcoal at an alarming rate, depleting the forest cover in a short time.
The district environmental officer has paid for a radio talk show on a local FM station and has invited you to accompany him during the talk show.

TASK;

Prepare a presentation about the impact of charcoal burning and how the use of charcoal for cooking can be controlled. Include in your presentation the alternative sources of fuels that can be used.

2. Chemistry is one of the compulsory subjects for learners in secondary schools in Uganda. You are a S.3 learner and the school is organizing a parent's meeting for the S.3 class with their parents. The head teacher wants the parents and their children to appreciate the importance of learning Chemistry in our daily lives.

TASK;

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As a S.3 learner, the head of Chemistry department has asked you to prepare a speech to these parents and the learners addressing the following.

- i) The value of learning about the Periodic table, with its components and arrangements.
- ii) The importance of knowledge of physical properties of metals and non-metals in our daily lives.

Write a speech you will deliver in the meeting.

3. You have been called for an interview for the job of a Chemistry teacher at Mengo S.S.S prepare a lesson you are to teach S.3 East about the topic "CARBON IN LIFE"

IN YOUR LESSON EMPHASIZE ABOUT;

- Crude oil, alkanes, alkynes and alcohols, carboxylic acids.
- Their sources, uses, the bonds and the general formulas.

4. The teacher for Chemistry has instructed you to teach S.2 in his absential about the topic "**SALTS**"

IN YOUR LESSON TALK MORE ABOUT;

- The term salt, soluble and insoluble salts with relevant examples.
- The preparation of these salts and the uses of some salts.

5. You are a concerned citizen in your local area. You are worried that through different human activities the quality of drinking water may gradually deteriorate. Write a letter to be read at village council meeting explaining community activities that could be carried out to ensure that local drinking water would not become polluted.

ITEM 1

Marvin, living in an area where they use borehole water, slid, fell and his white shirt became dirty. He decided to use a detergent to clean his shirt. The shirt remained with some brown spots, yet he had rinsed it several times.

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TASK

As a Chemistry learner;

- a) Point out the problem made when choosing a product. (2 scores)
- b) Help Marvin understand how the product works.
- c) Advise Marvin on the challenges associated with a long term use of the product.

ITEM 2

Most of the youths in **ADUK** village in eastern Uganda are involved in cutting trees, burning the wood and the final products for cooking. Residents are frustrated with toxic fumes from the activities. They are curious and beseech to know the nature and composition of the product and why the activities. The chairperson has contacted you as a Chemistry learner for guidance on what she is about to communicate in the community meeting.

TASK

- a) Guide the chairperson on,
 - i) Nature of the product. (2 scores)
 - ii) Composition of the product. (2 scores)
- b) Her concern is “can these activities have any impact t their community?” if so can this impact be reduced? Advise her. (2 scores)

ITEM 3

A new knitting firm in Wakiso-Uganda makes sweaters from cotton. However, clients are complaining that these are easily decomposed by moths and carpet beetles: she has contacted you as someone with knowledge of Chemistry to guide her in making a better choice.

TASK

- a) Guide the manager on,
 - i) The category of the selected alternative method. (2 scores)
 - ii) The characteristics of the material. (3 scores)
- b) He is inquisitive about its use. Advise her. (2 scores)

- c) “Will the selected alternative have an effect on the natural well-being of the community? If **YES**, what can be done? (3 scores)

ITEM 4

Define

- i) Covalent bonding.
- ii) Electrovalent bonding.

CRE

ITEM 1

James Obbo is an adult, wealthy Christian who lives in Palisa town. At the end of every year, he goes to perform Traditional African worship practices of praying to ancestral spirits and making offerings to gods in shrines expecting to get fame and wealth. Recently a friend advised him that African Traditional worship practices are against the Christian teachings. James wishes to change his life and uphold Christian worship practices.

TASK

Explain the practices of worship that James should up hold given his circumstances in the scenario.

(20 scores)

ITEM 2

Bishop Luwalira a former Bishop of Namirembe diocese in his sermon, encouraged married partners to embrace love, be faithful, understand each other and live a prayerful life if their marriage is to be sustained by God.

TASK

As a Christian who attended and listened to the Bishops sermon, write an advice to a couple that never attended and listened to that sermon, showing what should be done for the manage to be sustained by God.

(20 scores)

ITEM 3

Okwana a student at Pare High School in Kole district was humble and hardworking academically. As time went on, he joined a group of boys who used to take Marijuana, he started misbehaving by dodging lessons, abused and disrespected teachers. He would steal other students' property and would fight them. His performance academically declined and was expelled from school.

TASK

As liturgy prefect, what advice would you give to other students so that they don't end up like Okwana? (20 scores)

ITEM 4

Opio was a medical doctor, experience and respected by both his fellow medical workers and patients. However, Opio secretly involved in helping school girls to abort, received bribes from his clients, he was rude to patients and intentionally involved in murder of his patients. One day a client reported him to police and he was arrested and imprisoned.

TASK

In relation to the scenario, show how Doctor Opio abused professional ethics of medical workers.

(20 scores)

EN

1. (a) Write the Lord's Prayer chronologically. (10marks)
(b) What lessons do you learn from the Lord's Prayer? (10marks)
2. (a) Why do people work in your community? (10marks)
(b) What challenges do workers in society face today? (10marks)
3. (a) Show the work of Jesus Christ during his ministry. (10marks)
(b) Why was Jesus rejected by his own people of Nazareth? (10marks)

SECTION C (20 MARKS)

Kadoome a secondary school Buyende district is a Christian founded school. One evening S.3 students delayed to pick their lunch from the

dining hall. food had got finished. They reported to the welfare teacher who advised them to wait until 4:00pm because they were preparing more food for those who had missed lunch. However the S.3 students instead of being patient, they picked up sticks, bricks and stones and started breaking all windows and doors and desks in the school.

Questions

4. (a) As the Head teacher of Kadoome Secondary school. What would you do to the S.3 students who destroyed the school property? (5mks)
- (b) Mention the virtues which were lacking in the S.3 students of Kadoome Secondary School. (5mks)
- (c) Give a Christian advice to your classmate to prevent such an act from happening in your school. (10mks)

ENGLISH

1 Your neighbor mistreats her step-child whenever her husband is away. You realize that if you wrote to her a poem about Children's Rights and the law, it could change the situation for better.

Write a poem in which the person is mistreated child vividly describe the situation, employing sound devices onomatopoeia as well as rhyme to make the poem appealing. In your poem condemn the neighbour's actions and give advice to help her improve her behaviours.

2. Read the passage below and answer the questions that follow.

Every learner wondered why sugar did not bother to revise her books, yet the examinations were about to begin. Sugar was a pretty girl with an angelic voice. Her beauty was elevated by her dimples, her smile and her gorgeous eyes. She was the heartbeat of every young man in her school. Some boys

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would scrap their desk clean in hope that she would sit with them. However, to their frustration, she never gave a hoot.

Sugar was very attractive and when she moved, everybody turned their head in admiration she was as graceful as a gazelle. She walked like a pageant queen, with a well calculated catwalk. But, did Sugar's overflowing beauty match her academic success? One would wonder how a girl, who spent a lot of time caring for her beauty and missing lessons and notes, managed to beat her classmates at academics. If she did not come first, a certain teacher, Black sheep would contest the results vehemently.

There was something fishy about sugar and Black sheep. But it was a top secret. Black sheep was also Sugar's class teacher. As such, Black sheep had the privilege to alter the marks in Sugar's favour since he was in charge of making the report cards. He would also request his colleagues to share with him the exams they had set. He would go through the scripts with Sugar and her gang who knew about his fishy business.

This way, Sugar and her friends, who protected the unacceptable relationship, would benefit from the scheme and pass highly as well.

"I will give more good things, I will ensure that in the fourth coming election for the prefects, your name appears unchallenged for the head prefect post," Black sheep assured Sugar adding. "You can have any four friends of your choice to also take up prefectorial posts. I'll ensure they go through!"

"We can stuff some notes in our skirts for all the examinations that our friend, Black sheep will invigilate." One of Sugar's confidants suggested;

Black sheep's luck soon ran out. When he had made Sugar pregnant. The doctor assured the girl that she had a terrible condition and that the only way she could survive was to bear the consequences of the pregnancy and give birth.

She, who was once the center of attraction, was now pale and lean. The senior woman soon knew about her condition and informed the school disciplinary committee, Black sheep was proven guilty and unprofessional in court. He was imprisoned and his teaching license cancelled.

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Questions

1. Why was Sugar the center of attraction at her school?
2. Was Sugar academically gifted? How do you know?
3. Explain how sugar and her looks destroy her life and future.
4. Explain how Sugar and her gang would always manage to excel in their examinations.
5. Describe ways through which learners cheat exams.

A. READING COMPREHENSION

INTERGRITY AND TRANSPARENCY

‘Will she come to parliament wearing a see-through dress and a glass hat?’ some MPs wondered. Ms. Sheila Alice Angaza had just been appointed the first Cabinet Minister for Ethics, Integrity and Transparency in the Republic of Tchweza. Few MPs, let alone ordinary citizens, knew what a minister for Ethics, Integrity and Transparency was supposed to do. In any case, what do these big words; Ethics, Integrity, Transparency, mean?

“My job” she told the curious and attentive MPs, “is simple but challenging. I am required to teach our citizens to behave well. That is Ethics. I will teach them to be honest. That is Integrity. Finally, I will urge to tell the truth. That is transparency. Any questions, honourable members?”

There were no immediate questions but quite a big applause from the MPs. They were impressed and pleasantly surprised by the simplicity with which she had outlined her novel and intriguing task. Questions were however bound to arise later. Why, for example, was it necessary to teach people to behave well? Don’t they already know how? What was behaving well anyway? Who is an honest person? Did the republic of Tchweza require a whole ministry to tell people to behave, be honest and tell the truth?

Ms. Angaza’ answer to the last question was an empathetic ‘yes.’ This was not because she needed the job of Minister for Ethics, Integrity and transparency. After all, she told those asking the questions, she could go back to the university an time and earn her living by teaching as she had always done before. It was the country itself that needed lessons, guidance and supervisions in Ethics, Integrity and Transparency, she explained.

“This country, you see,” Ms. Angaza patiently elaborated, “has gone through a lot of bad experiences in the last hundred years and more. The colonialists left a lot of unfinished business in Africa. After messing up our minds and our manners, they just abandoned us to our own devices. What followed was even worse than what was happening when colonialists kept us in check through the use of force. We turned on one another and on everything in sight, and started an orgy of destruction that has left our country in complete shambles. You know what I am talking about. This country has been through military coups, ruled by bloody dictators and a series of brutal civil wars. It is true that we have managed to establish some form of civilised administration. But our people’s minds, attitudes and manners are still very much in the jungle of savagery where they were stranded for decades on end. In those years of blood, you had to learn to kill or you would be killed. If you did not steal, you would have nothing to eat, so we forgot all about respecting other people’s property. You could not afford to tell the truth. If you told the truth, even about your name or where you came from, you risked being massacred, most probably because you came from a ‘**wrong**’ ethnic community. So, we learnt to lie about your everything including ourselves. What we have to do now is to re-educate a whole generation of people who grew up surrounded by lies, theft, deceit, murder, and all sorts of violence to start living decently.”

“But how can that be done?”

“Well,” she answered optimistically, “you can start where I am starting by telling people that normal human beings in a free society do not have to lie, cheat or indulge in violence. To the young people, we shall explain to them the evils of violence, dishonesty, bribery and lack of self-respect. Eventually, they will adopt the virtues of truthfulness, honesty, openness, and peaceful resolution of conflicts. I am sure we will succeed because my faith is strong, my determination unshakable, and my plans are realistic. Above all, we all want development, but we cannot develop anything without developing our behavior, our attitudes and our mentality. My Ministry, whose business is to make people in the Tchwezan Government?”

(Slightly Adapted From Head Start Secondary English Form Three HENRY BUKENYA et.al by Oxford Publishers)

B. SUMMARY WRITING

Re-read the passage “INTEGRITY AND TRANSPARENCY.”

TASK

Then, In about 35 words, summarise the effects of colonialism on people of Tchweza.

ROUGH COPY.

ENTREPRENEURSHIP

SECTION A

1. Your friend wants to open up an account with any bank of his choice. Give three requirements he should present to the bank.
 2. Mukasa started a retail business in your hometown identify any two risks his business is likely to face.
 3. Your sister is joining senior One, Give three reasons to convince her why she should study Entrepreneurship. (2mks)
- i)
4. Your friend has completed his studies and started working and earning income. Give any Three ways in which he can use his income.
 5. (a) You have decided to start your own business in your home area. Give any four benefits you are likely to get from your business.
(b) Give any three challenges you are likely to face in your business.
 6. Your friend wants to join a give SACCO to become a member. Give three benefits of the SACCO to him as a member.
 7. You want to engage in the production of goods in your locality. Identify any two factors of production necessary for production to take place.
 8. (a) The government undertakes certain measures to protect consumers from exploitation by businessmen. Identify three reasons why consumers are protected.

i)

(b) Give any four methods used by the government to protect consumers.

SECTION B

9. You have been appointed as a bank manager for a given bank.

- a) Design a Cash withdraw slip to be used for withdrawing. (8mks)
- b) Design a Cheque to be used by customers. (8mks)
- c) Briefly explain how to deposit cash on a savings account. (8mks)

10. You intend to start a poultry farm in your home area.

- a) Identify five requirements for your business. (5mks)
- b) How will your business benefit the society? (8mks)
- c) What challenges/ problems is your business likely to face. (8mks)

HISTORY AND POLITICAL EDUC

SECTION A: Short Response Items.

1. "Our present thinking actions and ways of life are partly influenced by past events"
 - a) Explain **five** ways in which the ways of life of your community can be understood basing on past events. (5 scores)
 - b) In your school, the History and Political Education club has established a museum, Suggest **five** ways how it will benefit your community. (5 scores)
2. Many people move from their areas of resident because of different conditions, millions of refugees from different countries have moved and settled in Uganda, their coming has not been welcomed by natives.
 - a) In your opinion, Give **four** ways how these people have affected the areas they have settled. (4 scores)
 - b) Using your knowledge of History and Political Education, Explain **three** similarities and differences between 19th century Bantu migration and refugee movement in Uganda today. (6 scores)

SECTION B: Extended Response Items

Attempt any TWO questions.

3. Senior Two students in your school went to the Zoo and saw a number of animals. They were surprised to see Gorillas and Chimpanzees behaving like Human beings. Their Tour guide told them that the ancestor of human beings changed from these animals due to natural process. Many of the students did not believe him.

Using your knowledge of History and Political education. Write an article supporting the tour guide. (10 scores)

4. Your Uncle Mr. Okot has had a bitter conflict with his neighbor Mr. Tanga following his involvement in a relationship with his 15 year old daughter, Mr. Okot has threatened to take Mr. Tanga to court. The cultural leaders in the community are seeking to address the issue; however Mr. Okot doesn't trust them.

Using your knowledge of History and Political Education. Write a letter to Mr. Okot convincing him to trust cultural leaders. (10 scores)

- 1.
2. Two foreign students from a university in Kenya studying History and Political Education visited Uganda. The family of Mr. Kityo received and hosted the visitors for a period of one month. During their relaxation time out home, the foreign students asked the children of Mr. Kityo about the beauty of Uganda is cultural heritage.

TASK

- a) Explain to the above visitors about the benefits of preserving cultural and historical sites in your community. (10scores)
3. Local government is the term used for the lowest form of public administration with in a state. The biggest administrative unit of the local government in Uganda is the district which is made up of several counties with in that area. The district is politically headed by an elected local council V chairperson composed of councilors representing sub-counties while at the same time, these are also technical staffs of the various departments in the district that manage activities from top to bottom.

TASK

- a) Assume you are the LCI chairperson, explain the roles and responsibilities you play or perform for the people or committee in your village. (10 scores)

SECTION B

4. A government is defined as a group of people or authority governing an organized community or state. Simply a government is a group of people who control or rule a country at a given period of time. A government normally consists of three branches namely **Executive, Legislative and Judiciary**. These branches co-exist but as they try to play their roles independently, they face challenges and contradiction which affect their work.

TASK

- a) Imagine you are the President of Uganda. What are the likely problems facing the government of Uganda since independence. (10 scores)

5. According to the government of Uganda and the United Nations High Commission for Refugees, Uganda hosted **1495688** refugees in 2022. Almost **100,000** men arrived in 2022 alone. With only **45%** funding, the authorities were not equipped to respond adequately to the situation, for example addressing the need for health care and medicine, water and sanitation.

TASK

- a) Reflecting on the topic “**Migrations and Settlement in East Africa**” what could be the cause of the increase in refugee migrants into Uganda. (10 scores)

6. Many schools of Uganda usually experience strikes and demonstrations full of violence and political tension. This has forced many head teachers to always look for the ways of how such situations can be calmed among schools and the community at large.

TASK

- a) Assume you are the head prefect of BankHill College Ndejje, how can such evil practices be reduced in your school as per the rules and regulations of the school. (10 scores)

IRE

Jazillah is a S.3 student in a secondary school. Her first day in the new school was one she would never forget. During the lunchtime, two boys wearing masks found her in class and confiscated her Lunch box and pocket money, they later took off and Jazillah was left in tears, angry and hungry. Since she had not taken breakfast that day. It is in this state that Mariam a new classmate found her and consoled her, after lunch Mariam took Jazillah to the class teacher and the he took immediate action through checking and during search the empty lunchbox was found in Kassim's desk and even the two masks were found, the boy was taken to the disciplinary committee which served him an indefinite suspension and the parent was made to pay.

- a) How would you feel if you were Jazillah and why. (5mks)
- b) List down other acts that happen to students and people in markets and schools. (5mks)

ITEM 1

Tamale is a short tempered man. He claims that his wife is too demanding and fostered indiscipline in children that are disobedient to him, Tamale decided to ex-communicate to himself, goes missing at home and may come back abruptly only to spend a day or two and goes away. He is so reluctant to provide for the family. He says that he does not have all that money to give to that over demanding wife. The wife also got annoyed and gave up some of her responsibilities like giving warm greetings to the husband. The children also no longer respect and hence disobey the instructions of their Dad. This has caused suffering in the family. The learnt of this and sent the deputy Imam to guide the family.

TASKS

- a) Assume you are the deputy Imam, what guidance would you give to this family. (10 scores)
- b) What lessons do you learn from the scenario? (10 scores)

SECTION A

ITEM 2

Joan is a student who has just joined Kyasanku High School at the age of 11 yrs, as she is still young, a group of students from her school mates S.4 and S.6 started provoking her. They started bullying her to the extent that they force her to get tem water for bathing every after lessons, force her to wash their clothes. One day, a S.4 student took her things and started making fun of her in front of other fellow students in dormitory and all laughed at her. She was threatened never to report them to the administration. Joan feels helpless and feels tired of the tortures form her fellow students but does not know what to do.

TASKS

- a) What advice would you give to Joan? (10 scores)
- b) As the head teacher of Kyasanku High School, what measures would you take to control bullying in your school? (10 scores)

ITEM 3

After studies, the next step in one's life is to create a family. In future, would you want to be a father or a mother? If YES

TASKS

- a) What kind of a family would you have and state the members it would constitute. (10 scores)
- b) Explain the values you would use to promote your family. (10 scores)

ITEM 4

Read the dialogue below to guide you in the activity that follows.

Khamis: Hello Abubakar

Abubakar: You man, longtime, why the silence?

Khamis: I have been extremely busy in these small businesses of mine.

Abubakar: And how are the businesses running so far? You really have progresses? I am still at the NGO where you left me, nothing much has changed, I am still struggling. I save the little from what I learnt but I plan to also start up something private in the near future. By the way, what are the businesses you talked about? I can pick an idea for mu future plans.

- Khamis:** Money lending where I earn from the interests. I charge on the money lent out. People leave me with securities like T.V, Sofa sets, Cars and Land titles and when they fail to pay, they become mine. I also have a mobile money kiosk where I earn from withdraws and deposits. I also give change to people with big notes and for every Ten Thousand Shillings I earn One Thousand Shillings, I am also a middle man for houses and other property where I charge a percentage for every transaction.
- Abubakar:** Ooh! You seem to be earning good money.

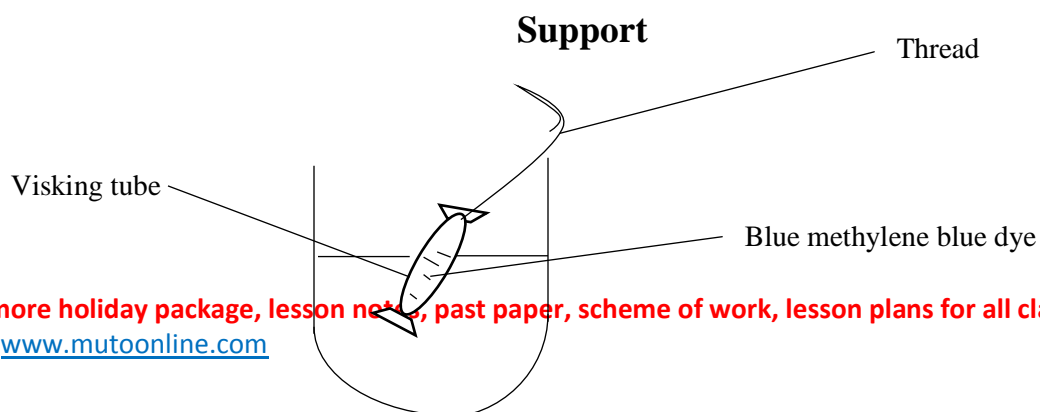
TASKS

- i) Identify the businesses carried out which have Ribbah (interest) in the dialogue.(5 scores)
- ii) Why is Khamis forbidden to conduct the businesses above? (5 scores)
- iii) If Khamis was to change his business, advise him on the lawful businesses he can carry out. (10 scores)

BIOLOGY

ITEM I

A Senior Three student in ne the practical session they carried out an experiment when they half-filled the visking tube with concentrated sugar solution containing methylene blue dye. They tied both ends tightly with the cotton thread to prevent the leakage. They rinsed the visking tube with distilled water and then immersed in a beaker containing distilled water and left to stand for six hours





TASK

- a) From the support above, suggest what will be observed after six hours in nature of visking tube, nature of water in a beaker and volume of solution in the beaker.
 - b) From your observation above account for;
 - i) Nature of distilled water in the beaker.
 - ii) The volume of distilled water in the beaker after 6 hours.
- c) Name the life process that has caused the nature of distilled water in the beaker.
- d) Suggest the significances of the process identified above to animals.

ITEM II

Peter visited a dentist who advised on the care of teeth. The dentist told him how to identify the common dental diseases of the day. When peter went to school, his classmate James was in a lot of dental pain, James was confused whether he had developed one of the dental disease.

TASK

Discuss what considerations Peter made to determine accurately what dental condition James had and how to avoid it.

ITEM III

Whenever there is an outbreak of HIV, Ebola and Hepatitis B. the community of Kalangala district is hit had. This is because the people there do not know the cause, the symptoms of these diseases instead they think that its witch craft, they also do not know how the disease spread from one victim to the next.

TASK

Suppose you are a trained nurse, the district medical officer has assigned you a duty of educating the people of Kalangala. Prepare a chart that summarises the information you could pass on to the people.

ITEM IV

Blood is a red fluid which flows within the blood vessels like the arteries, veins, capillaries. It's a dissolved medium on a number of components like the Blood cells, soluble food, plasma- protein, plasma etc. which of a vital role in supporting metabolism in the body.

TASK.

- a) Describe the structure and the role of the all components of blood.
- b) With aid of illustration describe the structure of the arteries.
- c) Explain how the artery is adapted to its functions.

ITEM V

Senior Two students were provided with **three** soil samples and several test were conducted to determine the characteristics of all soil soil type.

TASK

- a) As a student, explain to your parent what to consider when identifying the types of soil in area.
- b) Describe an experiment you can conduct to investigate the ability of water to raise upward into the soil.

ITEM VI

People have different body weight where some are said to be thin (**under weight**) and others are obese (**overweight**). Being thin or obese in itself may be an indicator of poor nourishments. Person A (**thin**) Person B (**obese**) have nutritional problems in your community.

TASK

As a public health officer in the same community, write a sensitization message to each of them to explain to the two people mentioned in the text above (**A** and **B**) the cause, effects and the

conditions can be improved and change for the to have a better living.

LUGANDA

EKITUNDU A

1. Oluvannyuma lw'okumaliriza emisomo gyo nga munnamawulire, omaze ebbanga nga onoonya omulimu. Obadde olaba amawulire ku TV emu, n'olaba ekirango nga kyagala omuntu anaakolanga omusomi w'amawulire ku laadiyo emu emanyiddwa nga Ndejje Fm. Saba omulimu ogwo.

EKITUNDU B

2. Abantu b'omu kitundu kyammwe bamaze ebbanga nga abaana baabwe batawanyizibwa ekizibu ky'amannyo. Mufunye omusawo w'amannyo okuva ku ddwaliro ekkulu mu kitundu kyammwe, okubasomesa ku ngeri gyebayinza okutaasamu abaana baabwe ekizibu kino. Wabula omusawo ono obubaka bwe abuwadde mu Lungereza ate ng'abantu abasing tebalumanyi.

Bayambe bategeeze okusomesa kw'omusawo.

THE TEETH NEED CARE TOO.

You sometimes spend money on your children's face, hair and body, by the end of every month you have no problem in paying a lot of money to keep these areas in good form. But when was the last time you invested in your child's teeth? How many times have you stopped to read what the toothpaste is made of so that you are sure they will work on your child's teeth?

Teeth are important part of our body, they are probably the first thing that a person sees when you open the mouth to either speak or smile. That is why teeth should not be left out when you are looking after your child's body.

Care of the teeth starts with regular and thorough cleaning of the mouth and it is equally important to regularly check on your child's teeth. If you have managed to keep your child's teeth by the age of 16, the chances are that any loss will be caused not by decay but infected

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gums. The important thing to remember is that it is not the frequency that matters, but how well the brushing is done. The type of tooth brush also matters, so we must always endeavor to keep our children's teeth clean at all times.

PHYSICS

Item 1.

During the summer Olympics games in Paris 2024 , participants in weightlifting sport were required to carry weights (load) to a height of 2m above the ground for 2 seconds which required much energy and skills . One participant named as John of mass 80 kg was able to raise the load to the required height of 2m above the ground. Other fellow participants failed to raise the required weight to the maximum height and after the game they had to approach John's coach asking how much energy they needed to raise the load which he the coach could not answer.

Support;



Hint; acceleration due to gravity $g = 10\text{ms}^{-2}$

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Two friends **Mark** and **Marvin** each of mass **60kg** and **75kg** respectively were the two participants who approached John's coach for help.

As a physics student, help the two friends to understand;

- (i) How much work each had to do to raise the load to the maximum height
- (ii) The power each needed to raise the load
- (iii) How much energy John used while lifting the load.

Item .2

During the 2021 presidential elections which was heavily contested between H.E Robert Kyagulanyi Sentamu of NUP and H.E Yoweri Kaguta Museveni of NRM. The two were moving around the entire country seeking for votes from the people of Uganda.

During the campaigns each presidential candidate was given a route to travel to avoid clashing of the supporters.

On one day H.E Robert kyagulanyi's convoy started its journey from his home in Kasangati and accelerated uniformly to a speed of 40ms^{-1} in 20s and then maintained that speed for 10s. It again accelerated to a maximum speed of 80ms^{-1} in another 8s. After they got into a jam near Wampewo which forced the driver to reduce the speed until it stopped in 12s.

On the same day H.E Yoweri Museveni also left state house Nakasero heading to Bombo via Mulago. His convoy was first tracked moving at a speed of 20ms^{-1} and later accelerated to a velocity of 60ms^{-1} in 6 seconds. It maintained that speed for more 14s after which it had to come to stop 10s after because of supporters who were waiting for him at Bwise round about.

The electoral commission then tasked the police to display the movements of each candidate on that same day before supporters could clash.

Hint;

H.E kyagulanyi's convoy started from rest

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H.E museveni's convoy was tracked with an initial velocity of 20ms^{-1}

As a physics scholar, help the police to;

- (i) Draw a travel plan (graph) for each candidate to show how they had travelled.
- (ii) Determine the distance each candidate had travelled.

Section B

Item.3

On a certain construction site around Kajansi several machines are used to simplify the work of construction. One evening the site Engineer and the contractor developed an argument on how the work is moving. The contractor claims the work is moving slow and faults the Engineer of employing weak machines. The engineer gave the contractor an example that if an effort of **50N** is required to raise a load of **200N** using a pulley system of velocity ratio **5**, the work t moves slow and suggested using more advanced machines whose efficiency is much higher could make their work faster.

Support;

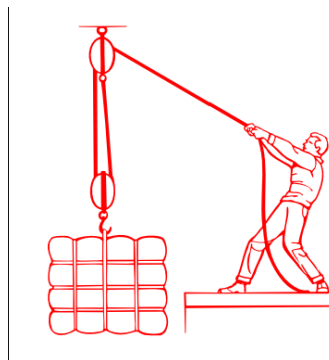


Fig .1



Fig .2

Hint;

Vertical height through which the material (load) is raised = **15m** above the ground.

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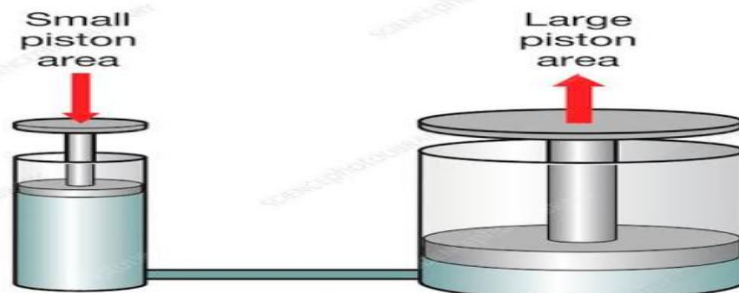
Task; as a physics student, help the contractor to;

- (i) Determine the efficiency of the machines the engineer has been using
- (ii) Determine the distance the effort moves using the V.R = 5
- (iii) Give the contractor the reasons why the efficiency is less than 100%
- (iv) Suggest ways how the efficiency can be increased of the above pulley system

Item 4

Your uncle is working in a manufacturing facility tasked with shipping metal components for a new aerospace project. His supervisor asks him to operate a hydraulic press to lift a very heavy metal whose weight is 2 tones. However he has never operated it and doesn't know the components of the hydraulic press system

Support;



Hint;

One tone = 1000 kg

Area small piston and bigger piston are 20m^2 and 200m^2 respectively

Acceleration due to gravity is 10ms^{-2}

As physics student, help your uncle to:

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- (i) Describe how a hydraulic press works and the application of hydraulic fluid to generate immense force
- (ii) Discuss for him how much force (effort) is needed to raise the metal
- (iii) Discuss for him advantages of using hydraulic press over other methods of lifting metals in industrial setting

GEOGRAPHY

1. Elgon in Eastern Uganda is one of the mountains formed through the process of Volcanicity. It is one of the most densely populated areas in East Africa in the districts of Mbale, Bududa, Sironko, Manafwa among others.

In March 2010, this sub region experienced a tragedy where more than 100 people perished as a result of landslides more especially in areas of Bulucheke, Buwalasi, Bumayoka and Nametsi. Apart from losing dear ones, other effects were also registered.

Support material



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(a) Assuming the Ministry for disaster preparedness in Uganda is organizing the environmental day to be celebrated in September 2023 at Mbale municipal grounds and as a resident of Bududa district, you have been selected as one of the speakers on that day. Prepare your speech, which should clearly bring out what could have caused the landslides, how were the people and environment affected and the measures the government should undertake to mitigate the above hazard.
(19 scores)

(b) Even after losing more than 100 people plus property worth millions, many residents decided to remain on the slopes of mountain Elgon. Why do you think people took such a decision?
(06 scores)

2. Lake Bunyonyi is found in Kabale, a district in southwestern Uganda. It is surrounded by a hilly terraced landscape, which provided a scenic beauty to the sub region that has attracted many tourists to the area.

Support material



- (a) Draw a landscape sketch of the area shown in the support material and on it mark and name;
- (i) The lake, bays and headlands
 - (ii) The hilly landscape
 - (iii) The forest and settlement (7 scores)

- (b)(i) With reference to the above support material, analyze the view that the environment determines human activities and human lifestyles.

(4scores)

(ii) Byaruhanga Murife a S.2 student of A' campus told classmates that his parents are planning to migrate from this area in the photograph (Kabale) very soon.

In four statements, support the decision of Murife's parents. (4scores)

- (c) Describe the processes for the formation of either the **lake** or the **headland**.

(5scores)

- (d)(i) State any other **two** lakes in southwestern Uganda formed in a similar way like Lake Bunyonyi.

(2 scores)

(ii) This sub region has all the three types of rocks. State any **three** examples of igneous rocks.

(3scores)

3. One of the effects of climate change in East Africa is the increased rate at which glaciers are melting in the highland areas especially the Rwenzori. This leads to the increase in water levels in lakes and rivers, for example in 2014 it led to

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flooding of rivers Nyamwamba and Mubuku in Kasese leading to destruction of property and two people died on spot.

Support material



(a) In your view, point out ways in which human beings contribute to the occurrence of climate change problem.

(8scores)

(b) Apart from flooding, show other ways in which the environment and people have been affected by climate change.

(5 scores)

C (i) As a geographer, how can you combat the phenomenon of climate change in your community.

(5scores)

(ii) State the major activity /function being performed by the above river (in the support material).

(1score)

d (i) State any **three** characteristics of rivers in the youthful stage.

(3scores)

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(ii) Support the view that the river in the above support material may not effectively be used for water transport.
(3scores)

4. Study the table below showing data derived from one of the weather stations on the shores of Lake Victoria and answer the questions that follow.

Month	J	F	M	A	M	J	J	A	S	O	N	D
Temp (°C)	2 0	2 1	22	22	21	2 0	2 0	2 1	22	22	21	2 0
Rainfal l (mm)	3 0	4 0	12 8	19 5	19 0	4 0	5 4	9 8	13 0	21 8	14 5	3 7

(a) Draw a suitable statistical diagram to portray the above data.

(9scores)

(b) In reference to the above data, advise the farmers in the villages around this station as they plan for their farming activities.

(4marks)

(c) In your analysis, prove that you cannot support your friend to settle in such an area where this station is located.

(5scores)

(d) From the above table, determine the following;

(i) Annual Range of Temperature.

(2scores)

(ii) Mean Annual Rainfall.

(2scores)

(iii) Mean Annual Temperature.

(2scores)

- (iv) The driest month
(1 score)

KISWAHILI

Andika Irisha (composition) kati ya maneno (150-250) juu ya mada ifuatayo “*Siku ya uchaguzi shuleni kwako*”

1. *Soma habari hii kasha ujibu maswali yatakayofuata.*

Ninaitaw Obore Adam, mimi ni mwanafunzi wa kidato cha pili katika shule ya Jongokoro wilayani Katakwi. Shuleni kwetu mimi ndiye kiranja wa chakula. Siku moja mbunge wetu aliandaa waisha yenye mafunzo kwa Viongozi wote katika jamii yetu. Itata nasi viranja wa shuleni tuliitwa kuhudhuria. Waisha hiyo lililenga kufundishasifa za uongozi bora.

Alipouliza sifa za uongozi bora, hilisema kuramba; kiongozi mzuri anastahili kuwa mjano mzuri kwa watu anaongoza. Anastahili kutopendelea wala kubagua watu anaongoza. Wakati huo mzee Wamayi aliinwa mkono na kutaja sifa zifuatazo; Riongozi mzuri anastahili kuli mwenyezi mungu, kiongozi asiye tii mwenyasi mungu htumia ofisi yake vibaya. Huiba pesa za Umma, huwa fisadi, hubagua watu na hulenda maovu mengi. Aidha anafaa kuwa na heshima. Anafaa kuheshimu watu wote. Asidharau mtu yeyote yaani kila mtu ni muhimu kwa namna moja au nyingine.

Maswali

- Andika sifa tano za Kiongozi bora kulingaria na habari.
- Ni nani msimulizi wa taarifa hii?
- Msimulizi wa habari anasoea wapi?
- Msimulizi anasomo kidato gani?
- Ni nani aliandoa waisha hii?
- Waisha lililenga nini?

- g) Kiongozi asiyetii mwenyezi mungu hufanya nini?
2. Baada ya kumaliza masomo yako, unalaka kuwa. Daktari hapa Uganda na kutibu magonjwa yanayowasumbwa watu.
- a) Taja hospitali kuu **tano** nchini Uganda.
- b) Tambua magonjwa **tano** ambayo yanawsumbua watu, na utayatibu.
- c) Andika vifaa **vitano** vya hospitali ambavyo utatumia.
- d) Unapoamka asubuhi unastahili kuoga ili kuhisi vizuri. Tambua vifaa **tano** ambavyo utatumia.
3. Andika sentensi hizi kwa wingi.
- i) Mtoto anasoma barua.
- ii) Kitabu hiki ni kizuri.
- iii) Nyumba hii ni nzuri.
- iv) Mti huu ni mzuri.
- v) Maziwa haya mazuri.

LITERATURE

1. Explain the major themes in the novel: **The Grief Child by Lawrence Darmani**
2. Described the grief Child is in the novel: Grief Child by Lawrence Darmani
3. What lessons do you learn from the novel: Grief Child?
4. Compare what happens in the novel: **Grief Child** with what happens in your society.

DAVID RUBADIRI: *Growing Up with Poetry*

Read the poem below and answer the questions after it:

I, too, sing America

I, too, sing America

I am the darker brother.
They send me to eat in the kitchen
When company comes,
But I laugh,
And eat
well, And
grow
strong.

Tomorrow,
I'll sit at the table
When company comes,
Nobody'll dare
Say to me
'Eat in the
kitchen', Then.

Besides, they'll see how beautiful I am
And be ashamed –

I, too, sing America.

Questions:

- a) State the subject matter of this poem.
- b) Mention any five character attributes of the speaker in the poem.
- c) What do you find appealing in this poem?
- d) How do you feel about the person in the poem and why?

ICT

In the computer laboratory, computer data and Information are open to a number of risks hence there is great care and protection. As a learner with ICT background, give 5 ways of protecting data and Information in the computer Lab. (05 marks)



- (i)
- (ii)
- (iii)
- (iv)
- (v)

The use of smartphones has increased in Uganda.



What are some of the dangers of using a smartphone by a student? (02 marks)

.....
.....

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(b) With touch screens, the user can choose an option by simply touching a button/icon on the screen. Mention some areas where touch screens are used. (03 marks)

- (i)
- (ii)
- (iii)

4. (a) Give two examples of ICT Tools used in hospitals.

.....
.....

(b) Write the following in full

(i) ICT

.....

(ii) PC

.....

(iii) CCTV

.....

5. Name three ICT Tools in the images below.



.....
.....
.....

(b) Give two reasons why ICT should be taught in secondary schools.

.....
.....
.....

SECTION B
ANSWER ONLY ONE QUESTION.

7. a) Mudungu lives in Nairobi, Kenya. He is a businessman dealing in transport. His company is called A and P Transporters. One

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morning, he called his friend Monica who lives in _____ Uganda and introduced to her the idea of opening up a branch in Uganda. After the call, _____ Musa sent Monica an Email giving the business details. The details had data obtained _____ from different research papers and pictures. When Monica received the email she called _____ Musa on Skype and they both had a conclusive discussion.

TASK:

- i) Identify the different icts used in the above story.
- ii) Discuss the uses of different icts mentioned in i) above
- iii) Discuss the different ways in which a mobile phone can be used an ict tool to support business activities.

-
6. Suppose you have been asked to type a letter inviting the head teacher to a debating competition entitled "*A world without computers is not a world at all*"



Task: State how the following hardware devices can help you in typing, processing, storing and printing out the letter.

END

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