

Name..... Stream.....

**HOLIDAY WORK  
SENIOR TWO BIOLOGY**

**Time; 1 hour 30 minutes.**

**INSTRUCTIONS;**

*Attempt **all** items in this paper.*

**Item 1.**

John’s maize was healthy during the rainy season. However, large sized caterpillars bored into and destroyed the stems and leaves. John uprooted one of the affected plants and found its roots were also eaten by termites. When he was interrogated, John admitted that he has already made losses this season because he suspected a reduction in the quantity of the yields.

**Tasks.**

a) Identify the **plants processes** affected by the action of caterpillars on the plant structures destroyed.

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b) Explain how the affected plant processes identified in (a) above by the caterpillars led to reduction in the quantity of the yields.

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**Item 2.**

Your school health team are conducting a study in which they checked on the health status of students. During the study, they measure and record the weight, age and height of the students. When asked by students why they were doing so, they replied “We want to know your **BMI** status. They also had with them a chart as shown below.

<b>BMI (Kg/m<sup>2</sup>)</b>	<b>Interpretation</b>
<18.5	Under weight
18.5 -24.9	Normal weight
25.0 - 29.9	Over weight
30.0 - 39.9	Obese
>40.0	Gross obesity.

The results of some students in S.2 include.



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**PEACE.**

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b) State three implications of;

i) Underweight.

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ii) Overweight.

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c) How can you advise a student who is;

i) Underweight.

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ii) Over weight.

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**Item 3.**

A group of S.2 students conducted an experiment on soil involving three soil samples A, B and C to determine certain properties of the soil. They set up an experiment in the laboratory as shown below.

Setup.

i) As a student who conducted experiments on soil to determine the various properties of the different soil sample in your school, suggest the aim of the above experiment.

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ii) From the results of the experiment above, state the type of each soil sample A, B and C. Give one reason to support your answer.

Soil sample A.

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Soil sample B.

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Soil sample C.

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Reason.

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c) Explain the following observations.

i) Sandy soil may not be the best soil for crop cultivation.

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ii) Mineral nutrients that occur deep in the soil can reach plant roots.

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**END**



NAME .....STREAM .....

**HOLIDAY WORK  
ENGLISH LANGUAGE  
SENIOR TWO.  
TIME: 2 HOURS.**

**INSTRUCTIONS:**

- **Attempt all items.**
- **Neat work is a must.**

**ITEM 1**

Muhammad had waited for this day with great excitement. The whole village of Bunyoro buzzed with celebration. He was finally marrying Hawa, the love of his life. The air was filled with music, the aroma of food, and the colorful swirl of clothes and dancing. Everything was perfect — until it wasn't.

As the sun began to dip behind the hills, word spread like wildfire: Hawa was missing.

At first, people thought it was a prank, a delay due to nerves. But minutes turned to hours. Her phone was off, her relatives clueless, and her friends equally shocked. Muhammad, dressed in his finest kanzu and coat, stood frozen at the altar, heart pounding louder than the drums.

Where could she have gone?

Rumors rose like smoke. Some said she had run away with another man. Others believed she had been kidnapped. Muhammad didn't believe any of it. He knew Hawa — or thought he did. Confused and humiliated, he returned home in silence, the wedding guests quietly dispersing.

Days passed. No word. No sign. Then one night, Muhammad received an envelope under his door. Inside was a letter in Hawa's handwriting.

"Forgive me, Muhammad. I couldn't go through with the wedding. I love you, but I'm not ready. I needed time to find myself. I left because staying would have meant living a lie. I'm sorry."

Muhammad read it over and over, tears staining the paper. The pain was deep, but slowly, it turned into understanding.

Questions.

1. Why was Muhammad very excited on this day?

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2. How would you describe Muhammad's character and personality?

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3. "Where could she have gone?" Muhammad wondered ( write in reported speech. )

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4. What moral values can be drawn from the way both characters acted?

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5. What feelings have been aroused in you after reading the story?

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6. How can people avoid similar situations in real life?

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**HOLIDAY WORK**  
**S.2 ENTREPRENEURSHIP EDUCATION**  
**TIME: 2 HRS**

**INSTRUCTIONS:**

- Attempt only TWO items in this paper.

**ITEM 1:**

Keith has acquired a loan of UGX 20,000,000. He would like to produce juice for sale. Keith is not sure of how to register his business and also has inadequate skills in making a plan for production in his business.

**TASK**

- a) Prepare a plan that can help Keith in production of his business products.
- b) Guide Keith on the how to register his business.

**ITEM 2**

Grace is so passionate about food and owns a restaurant in Matugga village. The chefs and waitresses conflict over work causing delays in food delivery. Unfortunately, this has chased away the few customers in the trading Centre who eat the food yet those far away from the Centre are not aware that the restaurant exists. She is now planning on marketing her business but is not sure of how to do it.

**TASKs: as an Entrepreneurship student,**

- a) **What are the benefits of assigning tasks to each worker? `**
- b) Prepare a plan that Grace will use to market her business.

**ITEM 3**

Mukasa operates a poultry farm in his business. He often sells eggs on credit to relatives who fail to pay back the money. He also spends business profits on a luxurious life and he has failed to adopt to the new technologies in his business. In addition, he has no business target and does not record the number of eggs laid before he sells. His machine used for incubation is in poor condition and also the feeders have been broken already by the workers.

Recently, when he was trying to balance the money he had invested in the business, he found out that it had seriously reduced and he was in loss. This made him get worried and he is requesting for an Entrepreneur's help.

**Tasks:**

As an entrepreneurship student,

- a) Inform him on the factors leading to a decline in his business.
- b) Advise him on how to revive his business.

- c) Help him to select the appropriate machinery, tools and equipment for the farm.

#### **ITEM 4**

Jonah owns a bakery in Jinja city. He uses two delivery vans to distribute his products and other business products to his customers directly around Jinja City and other parts of the country. Jonah has received complaints that customers from far do not get his products and that they also have less information about his business. He is now planning on carrying out research to find out more information from his customers in order to improve his business.

#### **TASK**

- a) Identify the entrepreneurial qualities that Jane possesses.
- b) Identify the risks that Jonah's business is likely to face.
- c) Design a market survey tool he can use when collecting information.

**end**

**HOLIDAY WORK**  
**SENIOR TWO**  
**ISLAMIC RELIGIOUS EDUCATION**  
**TIME: 1 HOUR AND 30 MINUTES**

**INSTRUCTIONS**

- Attempt all scenarios

**Item i**

Muslims like to celebrate and participate in social functions with non Muslims as they live with them especially birth children, in areas where they live. However, some Muslims refuse to attend these celebrations because they say that the people who prepare the birth ceremonies do not do it as per the teachings of Islam and this has caused disunity in the community.

**Task**

- a) Basing on the scenario, explain the Islamic teachings on the birth ceremony to enable those to accept the invitation from others
- b) How important is this celebration to the Muslims and the society at large?

**Item ii**

Kiwonvu is a small village with a high population of the youth. However, these youths are constantly fighting each other, backbiting, carrying out abortions, taking drugs, raping young girls and practice racial discrimination. The local leaders are fade up and they are planning to arrest every youth in that town

**Task**

- a) Explain the Islamic teachings that can address the challenges in the scenario
- b) Explain other practices that abuse human dignity not mentioned in the above scenario.

**Item iii**

“oh you who believe maintain faith in Allah and his messenger and his perfect book which he has revealed to his perfect messenger and in the scripture, He revealed before and who so ever denies Allah and His Angels and his books and his messengers and the last day, he has indeed stayed far away.....” Quran surat al Nisa 4:136

**Task**

- a) Explain `the guidance provided in the text in relation to worship
- b) How do the practices of worship in the text differ from those in Christianity?

**END**



## **S.2 HOLIDAY WORK**

### **OBUDDE. ESSAAWA BBIRI. EBIGOBERERWA.**

#### **DDAMU EBIBUZO BYONNA**

1. Soma ekitundu kino n’oluvannyuma oddemu ebibuuzo ku nkomerero.

#### **NKOKONJERU SSS**

Bwe nnayingira ekibiina ekyokutaano, maama yankyusa essomero. Ebintu bya nnalaba mu ssomero lino eppya byali bya njawulo nnyo ku byali mu liri lye nnalimu. Bwe twamala okuwandiika mu kitabo ky’abagenyi, omukuumi n’atulagira okunaaba mu ngalo ku mazzi agaali awo mu ppiya enjeru be ttukutuku era n’atulagirira awali woofiisi y’omukulu w’essomero.

Wabula ekyasinga okutwewuunyisa bye byetaago ebyali byetaagibwa mu ssomero liri, buli mwana omupya yalina okuleeta enjeyo bbiri, olweera ebweru ne munda, ekisiimuula, ebikuuta ebizungu, ebikookooma ebizungu, sabbuuni ow’amazzi ne Jik, ekidomola ekiyya, ebbaafu empya, emiti gya sabbuuni egimala. Buli mwana yalina okuba ne Uniform ttaano, ezisoma bbiri, ey’emizannyo emu n’ezaabulijjo bbiri. N’ebirala bingi, Maama yagezaako okwewozaako nti omwana agenda kuvanga waka, ne bamutegeeza nti wano tewali mwana gwe bakkiriza kuva waka, bonna basula ku ssomero.

We twaviira mu woofiisi y’omukulu nga maama entuuyo azisaza bibatu, wabula yasalawo nti waakiri anaayambala obuziina naye nga nsomye. Mu nnaku bbiri ezaddirira nnatandika olugendo lwange olupya mu ssomero eppya ate mu kisulo. Baana bawala ab’essomero liri baagendanga ne bambala obuteeteeyi bwabwe obwa kiragala olwo ne beesiba obusibi obuddugavu, enkampa enjeru bettukutuku mu bugatto obuddugavu wamma ggwe ne banyirira okufa obufu. Mu wiiki eyasookera ddala mu ssomero lino, nnakitegeera nti omusango ogusinga okuba ogwa nnaggomola kwe kukola ekintu ekyekuusa ku bukyafu. Ekibonerezo ekyaweebwanga omwana amansamansa kasasiro wonna waasanze kwali nga kugobwa mu ssomero okumala wiiki bbiri. Twalina abasomesa Madam Siifa ne Mr Kisekka nga bo bakola gwa kulawuna ssomero balabe oba

waliwo omwana yenna asiiwuuse empisa n'akola omuze gwonna og'obukyafu ng'obutanaaba, okukuza enviiri, obutaayala buliri, okuleka ebintu oba engoye ebitali byoze mu kisulo n'ebirala. Nnalabako omuyizi ayagobwa ku ssomero emisana ttuku lwa butaagala kunaaba n'okuwunyiriranga banne, Kalanzi eyali mu kibiina ekyokusatu baamusibirako ebibye adde awaka nga tebajja kusobola bukyafu bwe.

Bwe nnadayo ewaka ng'olusoma olusooka luwedde, nnali muntu wa njawulo nnyo ewaka anti ng'olwo emirimu egisinga nga nze njeetuma, ng'okwoza ebintu, okwera oluggya era nga bato bange nze mbakubiriza okunaaba. Mu lusoma olwaddako maama wange bato bange bonna yabakyusa n'abaleeta ku eryo essomero mbu lyali linkozeemu omulimu gwa maanyi.

### **Ebibuuzo:**

1. A) Leeta ensonga ttaano ezikakasa nti ddala essomero eryogerwako lifa nnyo ku buyonjo.  
b) Olowooza lwaki abakulu b'essomero lino bafa nnyo ku buyonjo. (leeta ensonga ttaano)  
c) Mu kisulo kyammwe mu ssomero lyo, abayizi banno bakyafu ebitagambika. Kolayo amateeka kkumi aganaafuga obuyonjo mu kisulo kyammwe gatimbibwe mu kisulo.
2. Kitaawo asanze olupapula lw'amawulire nga kuliko ebigambo bino. Wabula teyasoma era tamanyi luzungu. Muyambe obimuddize mu Luganda.

### **Lucrative farming.**

Apparently, farming is one the most if not the most lucrative businesses in Uganda that many people have not ventured into. Many people yarn to buy expensive small plots of land around the city Kampala not knowing that they can acquire huge chunks of land in the villages at very low price and start farming. One of the most prominent poultry farmers in Mbale district Dr Masaba Daniel on one of the TV interviews stressed that, 'Poultry farming is one business that can make you very rich in a very short time, however most Ugandans focus on things that require less commitment and stress.' If you start farming you should be

passionate about it because it doesn't pay instantly like a boda boda but when it starts paying, its highly profitable than any other business in Uganda.

**BIKOMYE WANO.**

**KYADDONDO SECONDARY SCHOOL MATUGGA  
HOLIDAY WORK**

**S.2 PHYSICAL EDUCATION**

DURATION: 1hr 30minutes

**ITEM 1**

In your home environment, there is a rise in non- communicable diseases among the community members as a result of inactive lifestyle, poor feeding and lack of physical exercises among the people in the community. When you tried to interact with some of the elders with diabetes and hypertension, they seemed to lack knowledge about how they can overcome non-communicable diseases.

Task;

As a physical education student, explain the role of physical exercises in prevention of non-communicable diseases so as to encourage the community members to engage in exercises.(05 scores).

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Identify some of the physical activities you would recommend to our community members to engage in so as to prevent non communicable diseases.(05 scores)

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**ITEM 2.**

In term two, inter-house sports competitions were organized in Kyaddondo ss and most students participated because it was fun and they had the desire to win. Although, most students engaged in sports without warm up sessions which resulted in various injuries to the participants.

Task 1.

Of what importance is the warm up session prior to the actual sport to the participants?(05 scores)

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Task 2.What other practices can you recommend to these students so as to prevent occurrence of injuries? (05 scores)

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ITEM 3.

During their first practical lesson in term two, as students were just back from a long holiday, most S.2 students could not perform the previously learned skills effectively well and the following were observed.

- Heavy breathing after a short period of workout.
- Some students got minor injuries during the warm up session.
- Some students couldn't coordinate their movements well.

Task a)

What could be the causes of the above observations among s.2 students that led to their poor performance. (05 scores)

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Task b)

As a P.E student, what advice would you give the S.2 students that will help them improve their performance throughout the term?(05 scores)

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Item 4.

During a lively game of soccer, one of your teammates, Imran collides with another player and falls to the ground resulting into;

- Swelling around the ankle joint.
- Imran complains of severe pain in his ankle joint.
- Redness and instability at the joint.
- Reduced mobility of the joint.

**TASK:**

a) As a team captain, describe how you would attend to Imran and offer first aid before rushing him to the medical unit.(10 scores)

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b) What do you think could be the causes of Imran's injury? (05 scores)

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c) What advice would you give to Imran and the rest of the players so as to prevent the re-occurrence of such injuries? (05 scores).

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\*END\*

\*GOOD LUCK\*.

**HOLIDAY WORK**  
**SENIOR TWO**  
**PHYSICS**  
**TIME: 2 HOURS**

**INSTRUCTIONS**

- Attempt any three items

**Item i**

A villager was passing by the school and heard a physics teacher explaining to students that lightening belongs to a certain state of matter. In addition the teacher also explained that when solid is heated, it changes from one state to another. As the villager was still wondering, he realized that bee keepers heated wax and it changed from solid to liquid and to gas. As the students were playing at the play ground, they realized that there is a bad smell which comes from the nearby latrine, they noticed that the smell increases during hot days. It is noted that during day temperature is usually  $25^{\circ}\text{C}$  and at night  $18^{\circ}\text{C}$

**Task**

As a physics student

- a) Identify and explain the state of matter in which lightening belongs.
- b) Explain to the villager how the wax changes to gas and identify the changes of state involved
- c) Explain the processes by which the toilet smell reaches the play ground and explain why the smell increases during hot days
- d) Find the values within which the temperature ranges in Kelvins

**Item 2**

The figure below shows a uniform metallic rod of length 4.0m pivoted at the center and it's used at the play station located at the shores of Lake Victoria but people who normally come complain about too much coldness during the day.

Given that a boy of mass 48kg sits 1.5m from A. (use  $g = 10\text{ms}^{-2}$ ) where necessary

As a student of physics

- a) Help the guide at the play resort to determine if another boy of mass 40kg will restore equilibrium in the beam if he sits at a distance of 0.6m from the pivot towards B.
- b) Explain why people who normally come at the resort complain about too much cold air during day
- c) With the boys off the rod, explain what would happen to the beam if the end B was heated by a considerably hot flame.

### Item 3

Most communities in Uganda and other parts of the world have always misunderstood space physics. This has led to the widespread belief in myths and superstitions. These communities have not understood the following occurrences;

- i) During the 2014 world cup in Brazil, the fans in Uganda watching the game at 9:00pm noticed that it was still daytime in Brazil and yet it was night time in Uganda.
- ii) People observe the moon in various shapes each night and some times it seems to vanish entirely in the night sky and one time the moon blocked light from the sun and total darkness was all over yet it was during day time.

#### Task:

As a student of Physics, help the community to understand:

- a) Why it was day time in Brazil while it was night time in Uganda.
- b) Why there was total darkness yet it was during day time.
- c) Explain the different shapes or phases of the moon.

### Item 4

At a certain construction site in a given town, casual laborers were required to raise construction materials to the 3<sup>rd</sup> level which was 2400m from the ground. They requested for a crane consisting of a pulley system of velocity ratio 7. He operator raised a load of 40000N using an effort of 8000N.

#### TASK:

As a learner of physics, help the casual laborers to;

- a) Draw a diagram to illustrate the pulley system contained in the crane.
- b) Determine the efficiency of the pulley system.
- c) i) explain why the efficiency of the machines is always less than 100% and state how it can be improved.  
ii) Suggest the applications of pulleys in our daily life.

END





