

HPE HOLIDAY PACKAGE

S.1

Item 1

For centuries, people have been migrating to Uganda and settling in different parts of the country including your home area. During their continued coming, the local people lack information about why these people keep moving away from their countries and settling in your area. Therefore, they want them to be evicted away with immediate effect. This was forced by the local authorities of your area to sensitize the Natives about the reasons for their coming and a sensitization meeting has been organized and you have been identified to do the job.

Task

Write an essay that you will use to educate the local people about the situation in the Scenario.

Item 2

Government of Uganda is in its final stages of giving away land containing cultural historical sites to an investor for further construction and development. A group of strong cultural believers and supporters have come out strongly to oppose this move claiming these cultural and historical sites bring so many importances to our country and thus want government to halt this plan. You have been contacted as history and political Education student to help them know more about the importance of such places.

Task

- (a) Prepare a speech you would give them.
- (b) What problems do such places face and what are the possible remedies?

Item 3

As early as the 16th century, large numbers of Bantus and Nilotes migrated and settled in what later became East African among the Cushites and Bushmen among others. The political, social and Economic conditions both in the cradle lands and East African caused these migrations and settlements. These migrations and settlement brought several developments in the political, social and economic spheres of life that are, to date, celebrated as some of the cultural heritages of East Africa.

The ministry of Gender, labour and social Development in Uganda is organizing a cultural day celebration. In this celebration, the public is to be enlightened about the

role that was played by migration and settlement in shaping today's East Africa through a public debate.

Task

Taking into consideration, the political, social and economic factors in both the cradle lands and East Africa during the 16th century make a write -up to discuss;-

- (a) The conditions that made those migrations and Settlements into East Africa necessary.
- (b) Ways in which those migrations and settlements have continued to impact East Africa to date.

NICE HOLIDAY

KYADONDDO S.S..S MATUGGA

SENIOR ONE HOLIDAY PACKAGE

GEOGRAPHY

INSTRUCTIONS:

Answers should be written on the answer sheets provided.

Explain points fully to show CK, CU and AP.

ITEM 1

There are many stories surrounding the existence of major rocks in Uganda .

Certain rocks are linked to cultural activities and cultural gods. In Gumbo village there was an investor who wanted to set up an industry for leather tanning. He hired a team of excavators who dug the whole place using hoes and spades. They discovered rocks having different layers, separated from each other and they had different colours.

Support material.

Tasks;

Using your knowledge as a student of geography acquired from this chapter, prepare an essay to be presented to the community emphasizing;

- (i) The formation of the rock types that they discovered,
- (ii) The impact of these rocks on peoples' lives.

ITEM 2

Uganda is often referred to as the Pearl of Africa endowed with a number of rivers, lakes and swamps. These drainage features play a significant role in the economic development in the different communities where they exist. However, due to increased demands for land by the surrounding communities around the water bodies, there is increased threats and in most cases the lakes and rivers have been used to dump dangerous industrial and domestic wastes leading to pollution of the water bodies, despite the several warnings by the NEMA and other government authorities.

A meeting has been organized in which you have been invited to sensitize the local communities about the need to save the water bodies and have clean water sources in the surrounding .

Task;

- a) Clearly explain to your community members living around swamps, rivers and lakes on the likely dangers of poor use of water sources.
- b) Guide the people in your community on the proper use of water resources.

ITEM 3

Senior one students were taken to the western part of Uganda by the geography department to comprehend and stimulate their understanding on the ways of studying geography. Students were so surprised and mesmerized to see the beautiful land forms with scenarios and magnificent features along their way and the area of their interest where they had their field work trip. However, some students reported late to school after one month from the reporting day because of some reasons and missed the Remarkable geography trip. The students who reported late did not understand the problems faced by people living in the area and the economic activities done by people to earn and sustain their livelihood. Your teacher has requested you as a student who went and actively participated in their field work trip to help and provide geographical information to your friends who missed the trip in the evening discussions such that you can all be on the same pace in class.

- a) Draw a landscape sketch of the area and on it mark and name the major features.
- i) What conclusions can you draw from the area shown above about physical environment and land use activities.
- b) Make a write up message that you will provide to the students that missed the field work trip.

ITEM 4

Seeta Nazingo is an area located in Mukono district endowed with various drainage features like Rivers, streams, papyrus swamps and also varied vegetation types like forests. Local residents living in the above area have destroyed the existing vegetation cover and poorly misused the drainage features. The local leaders in the area have tried to advise the local residents but unfortunately the local residents have refused to respond to the leaders' call positively. The local environmentalists have decided to organize a sensitization meeting on the last Saturday of this month and you are supposed to attend it because you are one of the main guests on that day.

Task :

- a) Explain how the people living in Seeta Nazingo have misused the natural resources in their environment.
- b) Prepare a sensitization message you will deliver on that day to help the residents of Seeta Nazingo to conserve their resources sustainably.

END.

CHEMISTRY

Attempt **ALL** questions in this section

A shop attendant wants to use environmentally friendly and sustainable packing materials. He is not having enough information about which packaging materials to use. He has decided to seek for advice from a person with good knowledge of chemistry.

TASK

- a) Help him appreciate that the packing materials are of different types.

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- b) Advise him on how the materials are suitable for their uses.

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- c) Evaluate the materials by identifying **one** danger associated with the long term use of the materials and how to mitigate the danger.

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2. A businessman was selling salt mixed with particles of sand, tricking people who couldn't notice the difference between the salt and its mixture with sand. This made it difficult for residents to use the salt. They need your help to prevent future problems and avoid any chemical dangers. They trust your chemistry knowledge to clarify the situation and prevent further suffering.

TASK. Help the residents:

- (a) Know the type of mixture and the behavior of the substances in the mixture.

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- (b) Know how the mixture can be separated and obtain pure salt.

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- (c) Evaluate the problems associated with the use of one of the component in the mixture.

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SECTION B

Attempt any **ONE** item in this section.

3. Kampala residents are breathing in death” This was a headline in the New Vision newspaper of February, 2020. The newspaper said that a number of factors stand in the way of Uganda’s dream of becoming one of the best cities in the world. It may be ahead of other East African countries, but the Uganda capital behind because of air pollution by caused by Vehicles. The air in Kampala is polluted and when people breathe it in, they get cough and other lung diseases.



TASK:

As a senior one learner of Chemistry, write an article to sensitize the community of Kampala and surrounding areas about air pollution and its dangers.

4. Oxygen can be prepared on industrial scale by fractional distillation of liquid air. The government is considering setting up an oxygen manufacturing plant in your village with minimal dangers posed to the environment.

Support material



Task. As a senior two chemistry learner, been invited by your LCI chairperson to deliver a speech; emphasizing how the possible dangers the processes of production will impose on the environment and how they can be mitigate.

END

PHYSICS

ITEM 1

During a school science fair, Jane heated one end of a metal rod and noticed that after some time, the other end became hot as well. Later, while cooking, she realized that the metallic handle of the saucepan became hotter than the wooden spoon she used for stirring.

Task

- (a) Explain the process by which heat travelled through the metallic rod.
- (b) Suggest two practical ways by which heat loss through conduction can be reduced.
- (c) When repairing an electrical kettle, a student realized that the heating coil was made of metal, while the handle was plastic. Explain why different materials were used for these parts.
- (d) During the fair, Jane was asked to identify a good and poor conductor of heat. Give three examples of each.

ITEM 2

In a school laboratory, a group of learners were studying liquids used in thermometers. They dipped thermometers containing mercury and alcohol into warm water. The teacher asked them to observe how the liquid levels changed. During their discussion, they also compared the shapes of the surfaces formed by water and mercury when placed in separate glass tubes.

Task

- (a) Draw diagrams to show the behavior of the menisci formed by water and mercury in their respective tubes.
- (b) The teacher explained that the forces between atoms and molecules are of two types — cohesive and adhesive. Using the observation above, distinguish between these two forces.
- (c) Three capillary tubes of varying sizes are dipped into water and mercury separately. Draw diagrams to indicate what happens to the liquid levels in the tubes for the two liquids.

ITEM 3

Juma and Tim, fishermen on Lake Victoria, were caught in a heavy storm while sailing. The storm blew due west, while the two men tried to row their boat due east. It was estimated that the forces exerted by the men and the storm were 30000 N and 26,000 N, respectively. The upward and downward forces acting on the boat were approximately 700 N and 1000 N.

Task

- (a) Draw a well-labelled diagram representing the situation described above.
- (b) Determine the resultant force acting on the boat.
- (c) Using your knowledge of forces, suggest two practical methods Juma and Tim could use to control or stabilize their boat during the storm.

(d) Explain how your suggestions in (c) relate to the principles of forces such as friction, equilibrium, or weight distribution.

ITEM 4

During a science lesson, a student sent an email saying, "Light helps us to see things around us." Later, in a classroom experiment, another student shone a torch through a small hole in a dark room and observed a bright spot on the opposite wall.

Task

- (a) Using the student's statement, define light scientifically.
- (b) What does the observation of the bright spot show about the nature of light?
- (c) Explain what is meant by rectilinear propagation of light.
- (d) Using a candle and a ball, describe how a shadow is formed.
- (e) State two sources of light commonly encountered in your surroundings.

Item 5

Early one morning, a delivery of fresh milk arrived at a local collection point. It had come from one of the nearby farms. The milk looked clean, white, and fresh but something felt off. The technician on duty had doubts. "Sometimes," he said, "milk can be watered down to increase quantity. He didn't say more. He simply handed over a measuring cylinder, a digital balance, and a clean beaker of the milk, an empty beaker. A learner stepped up. She measured 60 cm^3 of the milk and weighed it carefully. The balance read 54 g . Of an empty beaker and 117.6 g of a beaker and a sample of milk

HINT :density of fresh milk is 1.06 g/cm^3

Task as a physics learner,

- (a) What is meant by the term density of a substance.
- (b) how would you clear the doubts of the technician on duty and basing on the information is the milk fresh or not
- (c) Suggest any other two applications of density.
- (d) If water of 40 cm^3 is added in the milk, what would be the density of the mixture formed. (Density of water is 1 gcm^{-3})

END

b) What risks is Sharitah likely to face in her business?

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ITEM 2

Read the case study below and answer the tasks that follow.

Alec started a retail business in a remote area with low market yet he also never possessed any entrepreneurial ability. He often gave out items from his shop to friends on credit but with no serious follow up that many of them never settled their debts. He also involved family members in his business, these used to take good for personal and home use without paying for them. He always spent the business cash on his leisure activities. He also gave little attention to customers, opening and closing his shop any time he wanted. Alec also took some stock for home use and lacked business records for different transaction.

After two years, he realized that he shop shelves were empty, he had very low sales and even the few goods he had had become expired due to the few customers that were coming to his shop. He is now worried of what to do to revive his business.

Tasks:

Explain to Alec:

a) The common mistakes that caused his business to fail.

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b) The indicators that his business is not doing well.

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c) Advise Alec on the measures he can undertake to revive his collapsing business.

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ITEM 3

Apio has received ugx 10,000,000 as an appreciation from her father for recently graduating with a first class degree. In addition to that, she has

HOLIDAY PACKAGE FOR S1

MAAGIZO: Jibu maswali yote (attempt all questions)

1. Andika mahali muhimu tano (5) katika jamii yako (write five important places in your community)

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2. Dira ni kifaa kinachotumiwa kutoa maelekezo. Andika sehemu zozote tano za dira. (A compass is a tool used to show direction. Write any five points of a compass)

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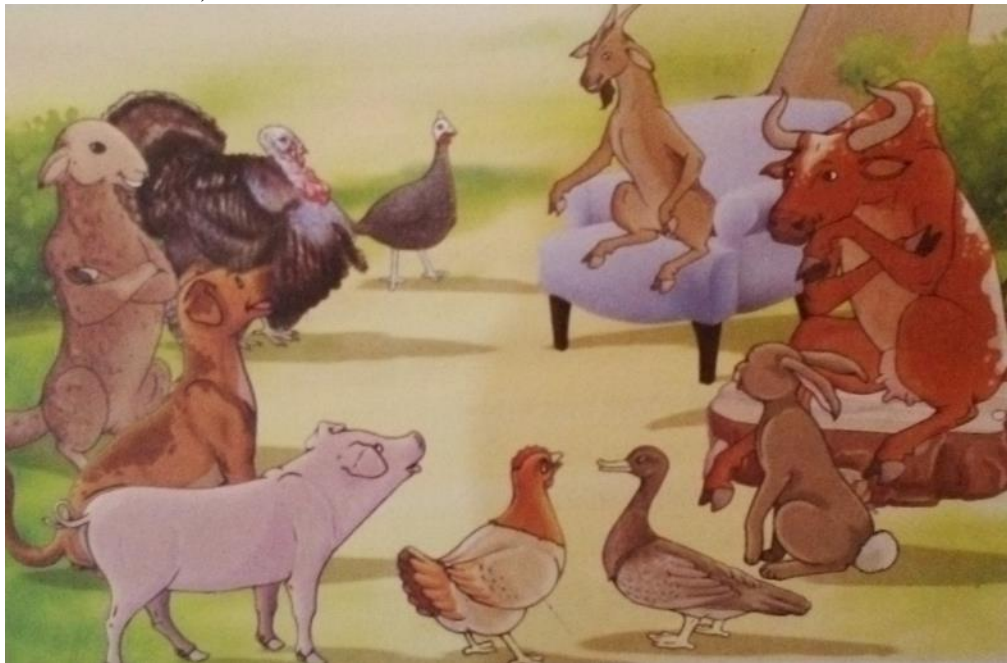
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3. Andika wingi wa maneno haya. (Write the plural form of these words)

- i) Mshipi.....
- ii) Yai.....
- iii) Chandarua.....
- iv) Waziri.....
- v) Nesi.....

4. Tazama picha hii halafu ujibu maswali yatakayofuata. (Look at the picture and answer questions that follow)



a) Andika Wanyama watano kutoka kwenye picha. (Write five animals seen in the picture)

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b) Wanyama na ndege wana umuhimu gani? Toa hoja tano. (How are animals and birds important? Give five points)

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5. Andika wingi wa sentensi hizi. (Write the plural form of these sentences)

i) Mbuzi huyu ni wangu

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ii) Kichwa chake kimevimba

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iii) Kuku yule si wake

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iv) Baba anakama ng'ombe yule

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v) Kijana yule ni mzuri sana

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6. Binadamu ataishi kwa afya nzuri iwapo atakuwa na chakula cha kutosha. Vyakula tunavyokula vinatoka kwa mime ana matunda mbali mbali yanayopandwa mashambani. (A human being will live a healthy life if there is enough food which we get from plants and fruits grown in gardens)



Ni mimea ipi inayopandwa nyumbani kwenu? (Which plants do you grow at your home?)

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KAZI 2.

Andika majina ya matunda haya. (Write the names of these fruits)



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MWISHO

ITEM 1

Scenario

Mark is a senior one student who likes drawing and painting very much. He created very impressive art works like the one in figure 1 below.

When his friend asked him to explain about his work, he was very green about it. He could neither explain any elements nor the principles of art and design that he uses to create his art works. Assume he comes to you to help him know about some of the elements and principles

Task

Make a write up of what you will explain to him.

END