

Students Name: .....

School Name:..... Index Number .....

527/1  
AGRICULTURE  
Paper 1  
(Theory)  
2 ½ hours

## **HOLIDAY WORK**

UGANDA CERTIFICATE OF EDUCATION

S.4  
AGRICULTURE.  
PAPER 1  
(THEORY)  
2 HOURS 30 MINUTES

### INSTRUCTIONS

- ✓ This paper consists of 6 items examination items. It has two sections; A and B.
- ✓ Section A has two compulsory items.
- ✓ Section B has two parts; I and II. Answer one item from each part.
- ✓ Answer four examination items in all.
- ✓ Any additional item(s) answered will not be scored.
- ✓ Indicate items attempted in Section B (Part I & Part II) in the box below
- ✓ All answers must be written in Answer sheets provided.

**SECTION A**  
**SOIL SCIENCE AND VALUE ADDITION**

*Answer **both** items from this section.*

**ITEM 1.**

Malongo village is occupied by dairy farmers. These farmers obtain little profits from their projects since they are underpriced by milk brokers on individual level. One day, Musa decided to add value to his milk by making yogurt. He packed his yogurt in white polythene bags for distribution to the nearby community members who had low economic potential. The village is next to a highly populated Masaka city. He visited a bank to open up a bank account with only his LC1 letter to confirm his residence. Some farmers who consumed yogurt complained about its quality.

**TASK**

- a) Design the steps Musa should follow when making yogurt that meets his customers' demands.
- b) How would you advise Musa and community members to achieve the best from their project?

**ITEM 2.**

Musa purchased an acre of steep land for growing of potatoes which perform well in soils with pH of 4.8-5.5. The land is entirely occupied with Bindweed which is an alkaline tolerant weed. Part of the land is covered with channels running down the slope. The same piece of land is being claimed by a neighbor whose crops on one side of the land exhibit dead growing points and scotched leaves regardless of good management. Some part of his land possess a hard and crusty surface while the lower part of his land is entirely occupied with water loving plants. He failed to meet his target.

**TASK.**

Advise Musa on how to manage his land and to solve the challenges he faced so that he can improve on potatoes production.

SECTION B  
PART I: ANIMAL PRODUCTION  
*Answer only one item from this part.*

ITEM 3.

Busulwa obtained 20 local animals to start up his beef animal rearing project. He located his farm on 10 acres of entirely open land. On his farm, he constructed a calf pen entirely made out of a brick wall and a marram floor.

He was advised by a DAO to improve his animals using better semen from NAGRIC however, he was challenged on how to do it. He feeds animals on elephant grass throughout the day. Calves on the farm are weaned at the age of two years. In the nearby sub-county, there is outbreak of a strange disease that kills animals instantly which has troubled him.

He selects ill animals for slaughtering and feeds them heavily until the time of slaughtering. Busulwa failed to meet his goals.

TASK.

Advise the farmer on how to improve beef production on her piece of land.

ITEM 4.

Martin established a fish farming project. He selected a bushy site far away from his home for pond construction. He constructed a pond on sandy soils to provide room for his fish. He introduced fingerlings into the pond a day after application of manure to encourage growth of planktons for fish feeding.

After some time, some plants were observed growing in pond water which he claimed to act as fish feeds. This forced him to feed his fish once a day. Upon close monitoring, some fish were observed with swollen gills, rotten fins and reduced feeding while others were seen eaten by unknown organisms on pond sides.

The little fish that were present in the pond were harvested using basin. The harvested fish was packed in tight black polythene and taken home for further consumption.

TASK.

Guide Martin on how to manage fish better for increased production.

## PART II: CROP PRODUCTION

ITEM 5. *Answer only one item from this part.*

Musa started a coffee growing project. He obtained seedlings that were growing in a neighbor's coffee garden. He prepared land by slashing and dug planting holes 30cm deep. He placed seedlings in the planting hole and covered them with sub soil.

After some time, the few crops which had established possessed numerous branches. Part of his garden was occupied with couch grass which was eliminated by slashing. Coffee plants at extreme end of the garden possessed berries and branches with holes while leaves were observed with orange like substances and dark spots.

Coffee was harvested by stripping all berries with mixed colours onto the ground.

TASK.

Guide Musa on how to improve his coffee production from his garden.

ITEM 6.

Opodong established a carrot growing project in Karamoja district. He bought seeds of Nantes variety which perform well under cool temperatures of 5°C-10°C. He cleared the piece of land and ploughed it once followed by creating a flat bed. He planted seeds in rows. Rows were spaced at a spacing of 5cm.

Some rows were observed with many carrot plants growing closely. Some part of the garden is occupied by other un known plants that grow vigorously. Carrot plants were observed with holes on their leaves. After four weeks, the plants that were surviving possessed powdery substances and yellow patches on their leaves.

Harvesting was done by extraction of carrot tubers with entirely green leaves in an extremely dry ground. Opodong obtained less profits compare to his expectations.

TASK.

Write the information you would give Opodong to sensitise him on how to solve his challenges to improve on carrot growing.

END

# **HOLIDAY WORK**

**UGANDA CERTIFICATE OF EDUCATION**

**S.4 ART AND DESIGN**

**ART MAKING PRACTICAL PAPER 2 (612/2)**

**TIME: 3 HOURS**

## **INSTRUCTIONS TO CANDIDATES:**

- This paper has one compulsory examination item.
- This paper will be done in two sections.
  - i) Planning session 1 hour.
  - ii) Production session 2 hours

Read the scenario provided and then answer accordingly using the appropriate materials and tools to generate a suitable art work.

## **SCENARIO**

The Uganda artist association has organized an art competition due to take place on 14<sup>th</sup> December, 2025 at Makerere University main hall.

The winners in that competition will get money and Bursaries to study free in U.S.A

## **Task:**

As an art student produce an art work of your preference that can win in that competition and you get that offer.

END

Candidates name..... Stream.....

553/2

BIOLOGY

Paper 2 (practical)

August

2<sup>1</sup>/<sub>2</sub> hours

## HOLIDAY WORK

INTERNAL MOCK EXAMINATIONS 2025

Uganda Certificate of Education.

Paper 2.

(Practical)

2 hours 30 minutes.

### INSTRUCTIONS TO CANDIDATES.

*This paper consists of two examination items. Answer **all** examination items in the spaces provided.*

*Drawings should be made in the spaces provided. Use **sharp pencils** for your drawings. Coloured pencils or crayons should **not** be used.*

*No additional sheets of writings paper are to be inserted in the booklet*

*Work on additional sheets of paper will **not** be scored.*

Item 1.

After weaning her baby, Akumu introduced her to a new diet. Six months later the baby developed a pot belly, bleeding gums, started falling sick frequently. The neighbors suggested that Akumu should add some other foods to the baby's diet to improve the baby's condition. Food samples in solution P, Q, R and S are some common Akumu's environment.

Task.

Carryout a scientific investigation on all the foods samples and then use your results to advise Akumu on which ones to be added to the baby's diet.

(Your investigation should include Aim, Hypothesis, Variables, Materials, Results of experiment, analysis and Recommendation)

a) Aim, Hypothesis, Variables.

Aim.

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Hypothesis.

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**Item 2.**

The senior four students conducted a field tour in the school farm after class with their Biology teacher. They collected different plant structures from different plants which included flowers, leaves stems and fruits.

Specimens A, B and C are some of the plant structures carried by the students from the farm.

Tasks.

- a) Using observable features, construct a Dichotomous Key to identify Specimens **A**, **B** and **C**.

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b) Explain how specimens **A** and **B** are adapted for survival in the environment.

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c) Draw and label specimen **A**

**END**

NAME: ..... STREAM.....

**HOLIDAY WORK**  
**S.4 BIOLOGY**

**Theory paper 1**

Time allowed: 2 hours 30 minutes

**INSTRUCTIONS TO CANDIDATES**

- This paper consists of seven examination items. It has two sections A and B.
- Section A has three compulsory items
- Section B has parts; I and II. answer one item from each part
- Answer five items in all.

Section	marks	Examiner's signature
A	Item 1	
	Item 2	
	Item 3	
B	Item	
	item	
TOTAL		

**SECTION A**

Attempt all items in the spaces provided

**Item 1**

A farmer had a mango tree in his farm on which he would always tether his cow at the tree stem. After some time, the tree bark at the point of tethering rotted away, and there was a swelling on the upper part of the rotten tree bark. During the long dry season, the mango tree almost dried. During the rainy season, however, a new tissue developed around the point of tethering at the stem, mango leaves became greener and the tree produced more lateral buds.

**Task:**

(a) Explain how the contents in the swollen part of the tree stem were formed within the mango tree.

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(b) Advise Francis on how to overcome the negative effects of his lifestyle.

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**Item 3**

A couple living with HIV has had three healthy children. Their fourth born however was born with pale skin, white hair and pink eyes. This worried them, since they were both dark-skinned but the doctors advised them to take care of the baby properly, since it was a genetic condition and so the baby would grow normally as others.

**Task**

(a) Using genetic symbols, show how the fourth born inherited the condition.

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(b) Explain how the couple can

(i) continue living positively with their health status

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(ii) Take care of their fourth born child.

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**SECTION B**

Attempt a total of two items from this section, taking one item from each part.

**PART I**

- Answer only one item from this part. Answers should be written in the answer booklets provided.

**Item 4**

An agrochemical factory was established in a swamp which had a flowing river supporting community members with fresh water and mudfish. The factory produces a lot of smoke into the atmosphere and effluents into the swamp. After ten years, the water in the river turned blackish with a lot of algal blooms. The mudfish harvests reduced and many community members were diagnosed with respiratory diseases. The community members have recorded serious complaints with the local leaders.

**Task:**

- (a) Explain how the agrochemical factory has affected the ecosystem in the area.
- (b) Why should such ecosystems be conserved?

### **Item 5**

In 2018, the Government of Uganda decided to give away part of Mabira Forest to Metha Group of Companies to extend sugar cane plantations. The agriculture-investor cleared the forest in the area, used tractors to plough the land and planted the sugar canes. For several years of extensive sugar cane growing, the investor applied artificial fertilizers for better yields. He often burns down the garden during harvest to obtain sugar canes for processing.

After several years, the area now experiences reduced rainfall amounts and the investor complains of reduced sugar cane yields despite using fertilizers extensively.

#### **Task:**

- (a) Explain how the investor's farming practices have resulted in the challenges experienced in the area.
- (b) How can the investor use the environment without much damage?

## **PART II**

- Answer only one item from this part. Answers should be written in the answer booklets provided.

### **Item 6**

Joan has been smoking cigarettes, eating a lot of fatty meat and drinking fluids with high sugar content. When she went for medical examination, her BMI was found to be higher than normal. She had developed swollen feet, had breathing difficulty and was diagnosed with cardiovascular disease. Joan's vision had also become blurred.

#### **Task:**

- (a) Justify Joan's health problems in relation to her lifestyle and feeding habits.
- (b) Apart from medical treatment, how can Joan improve her health conditions?

### **Item 7**

David's 3-year-old son was attacked by sickness that resulted in breathing difficulties, high body temperature, vomiting and sores in the mouth and ulcers in the small intestines. The baby was rushed to the hospital and after some treatment, the breathing normalized and the vomiting ceased. The doctors advised that although the baby was still anaemic, the most appropriate treatment is proper diet that can enable the baby to fully recover.

#### **Task:**

- (a) Explain how the sickness affected the normal functioning of the baby's body.
- (b) Suggest an appropriate diet with reasons which will enable the baby to recover as per the doctor's advice.

Student's Name: .....

Signature: ..... stream .....

Random o.						Personal No.		

(Do not write your School/ Centre Name or Number anywhere on this booklet.)

545/1

CHEMISTRY

**Theory Paper**

**HOLIDAY WORK**

1

2 hours

Uganda Certificate of Education

CHEMISTRY PAPER 1

(Theory)

2 Hours

**INSTRUCTIONS TO CANDIDATES:**

- This paper consists of Section A and Section B.
- Answer **ALL** items in section A and 2 items in Section B.
- Answers to Section B must be written on the answer Booklets provided Answers to Section A **MUST** be written in the space provided.

**SECTION A**

**ITEM 1**

Mukuye a renowned 78 years old herbalist. He is known for his treatment usually from the mixing of a variety of plant parts such as lemon peels, garlic bulbs, gingers and raw honey by getting their extracts, that he uses for treating his trusted patients with digestive related bacterial infections and fu infection among others. However, lately some of his patients he treated didn't fully recover from the diseases instead their health conditions worsened than before and they were admitted in the hospital for proper medication. You have been asked to give guidance.

*Task:*

As a chemistry student:

Identify the mistake they made while choosing the products.

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Help them understand how the product(s) works.

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Suggest the possible side effect(s) of the product to the users and mitigate.

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Evaluate the products.

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**ITEM 2**

The gaseous hydrocarbon X is a carbon – based fuel used in racing cars formula – 01. Its internal complete engine combustion, gave out carbon dioxide gas, water vapour and heat energy according to the equation below:



The preliminary experiment shows that hydrocarbon X contains 80% carbon and the rest being hydrogen whose relative molecular mass is 30.

However, the ministry of games and sports wants to know how to determine the molecular formula of X and how much volume of the carbon dioxide gas in litres will be emitted if 80g of X were completely burnt to produce heat energy.

**Task:**

Use your chemistry knowledge to:

- a) Explain the:
  - i) Category of the homologous series used as carbon – based fuel.

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- ii) Suitability of the gaseous product(s) emitted.

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**SECTION B**

**PART 1 (attempt only one number from this part)**

**ITEM 3**

An Aluminium mine is proposed for development in Kiruhura district. However, the production process requires large amounts of energy and water which could affect the environment. Additionally, many residents are also wondering how the production process and its benefits can be balanced with minimal effects.

*Task*

As a learner of chemistry, make a useful write up to them.

**ITEM 4**

An investor intends to produce Lime, a key chemical needed in the manufacture of paints and coatings besides glass manufacturing. He intends to use the available raw materials they have in stock in order to achieve their targets and expectations in the production process of Lime.

However, the locals in the areas are worried about the potential harm the factory could cause to the environment and how the whole production process will be conducted. You have been tasked to give guidance.

Task: As a chemistry student. Make a write up message sensitizing the community on the environmental management programs and how the whole production process will be conducted.

**PART 2 (attempt only one number from this part)**

**ITEM 5**

The district officials of Kisoro have raised concern about the destruction of the rocky areas due to increasing population and the deterioration of water quality in the region as well. This has prompted the officials to organize sensitization workshops in the region.

**Task.** As a chemistry prepare a short presentation you will deliver in the workshop.

**ITEM 6**

The government of Uganda intends to extract and refine the crude oil deposit that was recently discovered in kibiro on the shores of Lake Albert in Western Uganda with the aim to meet the Country's Energy demands. However, up to know, the extraction process has delayed to kick start, due to the expected high potential risks of environmental contamination from the mining and refinery activities in the areas. The engineering team is organizing a sensitization forum with the district local government, councillors and the community and you have been invited to be part Task: As a Chemistry student. Make a write message containing information you would like to use on that day's meeting upon invitation.

**HOLIDAY WORK**  
**ASSESSMENT**  
**S.4 ENTREPRENEURSHIP EDUCATION**  
**PAPER 1**  
**TIME: 2 ½ HOURS**

**INSTRUCTIONS:** Attempt only 4 items

**Section a (compulsory)**

**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 to register his business.

**ITEM 2**

Okot owns a milk processing plant in Jinja city. He uses two delivery vans to distribute milk and other business products to his customers directly around Jinja City and other parts of the country. Okot has received complaints that customers from far do not get his products and that they also have less information about his business. Okot is planning to improve product distribution and design an advert but lacks enough skills.

**TASK**

**Guide Okot to;**

- a) Select suitable distribution channels for the business.
- b) Design a suitable advert for his business.
- c) Identify the qualities demonstrated by Okot as an entrepreneur.

**ITEM 3**

Opex operates a bakery, He has been able to increase on profit margin, open 5 branches, pay all the taxes timely, supply bread to different schools and restaurants, win a tender to supply bread to government departments among others. He is faced with fire out breaks, theft of bread, loss of money in transit, workers stealing bread and other products.

Last week, some unknown people destroyed production machinery and killed a security guard at night and also took all he money from office.

Opex is seeking your guidance on how to solve the challenges in his business.

**TASK**

- a) Describe the indicators of success in Opex’s bakery.
- b) Guide Opex on the different technologies to solve the challenges in his business.
- c) Advise Opex on the insurance policies he can take for his business.

**SECTION B**

*Select one item only*

**ITEM 4**

The accountant of KADIO Enterprises went for sick leave before fully organizing his books of accounts. Jolly, an entrepreneur who lacked book keeping skills tried to extract the following balances as at 31<sup>st</sup> December 2024

<b>Items</b>	<b>UGX</b>
Debtors	2,000,000
Creditors	2,000,000
Land and buildings	5,000,000
Plat and machinery	4,000,000
Fixtures and fittings	3,000,000
Equipment	2,000,000
Motor vehicle	1,500,000
Purchases	2,500,000
Returns in wards	500,000
Returns out wards	600,000
Discount allowed	1,000,000
Discount received	2,000,000
Opening stock	1,500,000
Cash at hand	600,000
Cash at bank	3,400,000
Rent received	400,000
Sales	7,000,000
General expenses	1,000,000
Closing stock	3,000,000
Net profit	6,500,000

## TASK

Using your skills in book keeping help KADIO ENTERPRISES to;

- a) Check the arithmetic accuracy.
- b) Prepare a statement of financial position of the business.

## ITEM 5

Stella operates a poultry farm. She records her poultry business transactions in an exercise book and has limited skills in record keeping she has presented to you her records for the month of March, 2025.

	Details	UGX
1/3/2025	Started business with cash at bank	1,800,000
2/3/2025	Sold chicks by cash	700,000
3/3/2025	Cash sales of hens	1,675,000
4/3/2025	Paid wages by cash	120,000
7/3/2025	Bought marsh by cash	450,000
12/3/2025	Paid for insurance by cash	100,000
13/3/2025	Paid telephone expenses by cash	8,500
17/3/2025	Paid cash for rent	250,000
18/3/2025	Sold chicks by cash	3,000,000
19/3/2025	Received cash from Mellon	390,000
23/3/2025	Paid for electricity by cash	310,000
25/3/2025	Bought an incubator by cash	500,000
27/3/2025	Cash sales for eggs	180,000
31/3/2025	Paid salaries by cash	400,000
31/3/2025	Withdrew cash for personal use	220,000

## TASK

Record the above transactions in the suitable ledger book.

==END==

CANDIDATE'S NAME: .....

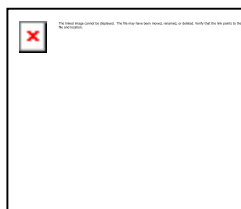
**309/1**

**GERMAN**

**Paper 1**

**1 ½ hours**

**ASSOCIATION OF TEACHERS OF GERMAN IN UGANDA**



**MOCK EXAMINATIONS 2025**

**GERMAN**

**Paper 1**

**(Lesen und Schreiben)**

**1 hour 30 Minutes**

**ANWEISUNGEN:**

Diese Prüfung enthält zwei Teile; A und B. Insgesamt gibt es drei Fragen.

Mach alle Aufgaben in Teil A

Teil B hat zwei Aufgaben

Mach nur eine Aufgabe in Teil B

For Examiners' only		
Item	Score	Examiner's signature & No.

1		
2		
3		
Total		

## **WIR HABEN GROBE TRÄUME – LERNEN IN UGANDA UND DEUTSCHLAND**

An einem warmen Vormittag sitzen fünf Jugendliche in einem ruhigen Klassenraum, irgendwo zwischen Berlin und Kampala. Sie sprechen über ihre Träume, ihre Bildung und ihre Zukunft.

Sarah aus Kampala beginnt. Sie sagt: „Ich will Lehrerin werden. Ich liebe Kinder, und ich denke, Schule ist sehr wichtig. Wenn ich genug Geld hätte, würde ich schon jetzt Bücher für Kinder kaufen. Ich gehe jeden Tag zur Schule und lerne besonders gern Englisch.“

Lukas aus München hört ihr zu und nickt. „Ich möchte Informatiker werden. Computer und Technik machen mir Spaß. Ich programmiere gern kleine Spiele. Wenn ich mehr Zeit hätte, würde ich noch mehr lernen. Später will ich auf eine technische Hochschule gehen.“

Amina, die aus Gulu kommt, ist ruhig, aber sie spricht mit Herz: „Ich träume davon, Ärztin zu sein. In meinem Dorf gibt es nur wenige Krankenhäuser. Wenn ich Medizin studieren könnte, würde ich vielen Menschen helfen. Ich lerne viel, vor allem in Biologie und Chemie.“

Tim aus Berlin lacht freundlich. „Ich will nicht studieren. Ich möchte Mechaniker werden. Ich arbeite gern mit meinen Händen. In meiner Schule gibt es ein Technikprojekt, das finde ich super. Wenn ich schon 18 wäre, würde ich sofort eine Ausbildung machen.“

Zum Schluss spricht Fiona aus Jinja. „Ich liebe Geschichten. Ich möchte Journalistin werden. Wenn ich für eine Zeitung arbeiten könnte, würde ich über wichtige Themen in Uganda berichten. Ich lese viel und schreibe gern Texte.“

Sie alle wissen: Bildung ist ein Schlüssel. Wenn man fleißig lernt, kann man vieles erreichen. Und auch wenn nicht alles leicht ist – mit einem Traum beginnt oft ein großer Weg.

1. Was macht Sarah, um Lehrerin zu werden?

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2. Warum ist Bildung für Tim wichtig, obwohl er keine Universität besuchen möchte?

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3. Im Text sagt Lukas, dass er später auf eine technische Hochschule gehen möchte. Würdest du das auch tun oder hast du ein anderes Ziel? Beschreibe dein Ziel und warum du es gewählt hast.

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4. Fiona sagt: *Wenn ich für eine Zeitung arbeiten könnte, würde ich über wichtige Themen in Uganda berichten.* Was würdest du machen, wenn du Journalist oder Journalistin wärst?

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## **TEIL II: SCHREIBEN**

In diesem Teil gibt es zwei Aufgaben, Löse nur eine!

### **ENTWEDER**

Du hast einen Ausflug in einen Freizeitpark gemacht. Erzähle, welche Attraktionen du besucht hast, was dir besonders gefallen hat und mit wem du dort warst. Beschreibe auch, was du gegessen oder getrunken hast und wie du dich am Ende des Tages gefühlt hast. Erkläre in 120-150 Wörtern, was du erlebt hast und warum dieser Tag für dich besonders war.

### **ODER**

Stell dir vor, du hast an deiner Schule ein neues Fach gewählt. Beschreibe, wie dieses Fach deine Bildung und deine Zukunftspläne beeinflusst hat. Erkläre, warum du dieses Fach gewählt hast, was du bisher gelernt hast und wie es dir bei deinen beruflichen oder persönlichen Zielen helfen kann. Schreib deine Erzählung! (ungefähr 120-150 Wörter).

**ENDE!**

**309/2B**

**GERMAN**

**Paper 2B**

**20 Minutes**

**ASSOCIATION OF TEACHERS OF GERMAN IN UGANDA**



**MOCK EXAMINATIONS 2025**

**GERMAN**

**PAPER 2B**

**SPRECHEN**

**20 Minutes**

**ANWEISUNGEN:**

Diese Prufung hat zwei Teile 1 und 2

Mach eine Aufgabe aus jeden Teil. Mach insgesamt 2 Aufgaben.

Im ersten Teil sprichst du uber das angegebene Thema.

Im zweiten Teil sprichst du mit dem Prufer/ der Pruferin. Ihr plant etwas zusammen.

(Du hast zehn (10) Minuten Zeit, die zwei Aufgaben vorzubereiten.

## **Teil I**

### **Aufgabe A**

Du nimmst an einer internationalen Konferenz über kulturelle Vielfalt teil. Jeder Teilnehmer soll sein Heimatland und die eigene Kultur vorstellen. In deiner Präsentation beschreibst du dein Land, die Sprachen, Traditionen, Feste, Kleidung oder das typische Essen. Auch solltest du erklären, was dir an deiner Kultur besonders wichtig ist und warum kulturelle Vielfalt in der Welt eine Rolle spielt, ...

### **Aufgabe B**

Stell dir vor, du bist Austauschschüler oder -schülerin in Deutschland. Deine neue Schule bittet dich, einen Vortrag über das Schulleben in deinem Heimatland zu halten. Du beschreibst, wie ein typischer Schultag abläuft: Wann beginnt der Unterricht, wie viele Stunden gibt es, welche Fächer sind üblich, ob man Schuluniform trägt, wie die Pausen aussehen und was das Besondere an deinem Schulsystem ist, ...

## **Teil II**

### **Aufgabe A**

Du und deine Mitschüler organisiert eine Internationale Woche an eurer Schule. Im Dialog besprecht ihr gemeinsam, welche Länder von den Klassen vorgestellt werden sollen, welche kulturellen Elemente gezeigt werden können und wann das Fest stattfinden soll. Ihr plant genau, wer was vorbereitet, damit das Fest spannend und informativ wird.

### **Aufgabe B**

Gemeinsam mit deinen Freunden planst du ein Deutschfest in der Schule. Im Gespräch überlegt ihr, wie das Fest ablaufen soll: Was für Programmpunkte es geben, wer für welche Aufgaben zuständig ist, warum das Fest gefeiert wird und wie ihr alles organisieren wollt. Ziel ist, dass das Fest ein voller Erfolg für alle wird...

**309/2A**

**GERMAN**

**Paper 2A**

**40 Minutes**

**ASSOCIATION OF TEACHERS OF GERMAN IN UGANDA**



**MOCK EXAMINATIONS 2025**

**GERMAN**

**PAPER 2A**

**LISTENING**

**40 Minutes**

**EXAMINER'S COPY**

**ANWEISUNGEN:**

In dieser Prüfung hörst du dich ein Gespräch an.

Es wird dreimal abgespielt.

Du hast 3 Minuten Zeit, um die Aufgaben für das gespielte Gespräch durchzulesen

Beantworte die Fragen am Ende.

Schreib auf den Antwortbogen.

Du hast 3 Minuten deine Antworten zu bestätigen.

## Soziale Netzwerke

Anna ist eine Schülerin aus Deutschland und nutzt jeden Tag soziale Netzwerke. Sie hat ein Profil auf Instagram, TikTok und Facebook. Sie findet soziale Netzwerke sehr praktisch, weil sie mit ihren Freunden und ihrer Familie in Kontakt bleiben kann. Anna postet oft Fotos und Videos von ihrem Alltag. Ihre Freunde kommentieren ihre Beiträge und schicken ihr Nachrichten.

Aber Anna hat auch ein Problem. Sie verbringt zu viel Zeit auf sozialen Netzwerken. Manchmal sitzt sie stundenlang vor ihrem Handy und vergisst ihre Hausaufgaben. Ihre Eltern sind besorgt, weil sie denken, dass Anna weniger Zeit für die Schule hat. Sie sagen, dass soziale Netzwerke nicht immer gut sind.

Anna möchte ihre Zeit besser organisieren. Sie hat beschlossen, weniger Zeit auf Instagram und TikTok zu verbringen. Sie will nur noch eine Stunde pro Tag soziale Netzwerke nutzen. Außerdem möchte sie soziale Netzwerke für die Schule nutzen. Sie hat eine Gruppe mit ihren Klassenkameraden erstellt, um Hausaufgaben und wichtige Informationen zu teilen.

Ein weiteres Problem sind falsche Informationen in sozialen Netzwerken. Anna hat gemerkt, dass manche Beiträge nicht stimmen oder sogar gefährlich sein können. Deshalb hat sie gelernt, nicht alles sofort zu glauben. Sie prüft jetzt öfter, ob Informationen wirklich korrekt sind, bevor sie sie teilt oder weiterleitet.

Außerdem hat Anna durch soziale Netzwerke neue Interessen entdeckt. Zum Beispiel hat sie über Instagram eine Gruppe gefunden, die sich mit Nachhaltigkeit beschäftigt. Jetzt interessiert sie sich mehr für Umweltschutz und möchte mit ihrer Klasse ein Projekt starten. Soziale Netzwerke können also auch positive Impulse geben – wenn man sie sinnvoll nutzt.

### Fragen zum Text

1. Welches Problem hat Anna mit sozialen Netzwerken?
2. Was hat Anna beschlossen, um ihre Zeit besser zu organisieren?
3. Warum findet Anna soziale Netzwerke praktisch?
4. Wie nutzt Anna soziale Netzwerke für die Schule?
5. Anna möchte ihre Zeit besser organisieren. Findest du ihre Lösung praktisch? Was würdest du machen, um das Gleiche zu erreichen?

**309/2A**

**GERMAN**

**Paper 2A**

**40 Minutes**

**ASSOCIATION OF TEACHERS OF GERMAN IN UGANDA**



**MOCK EXAMINATIONS 2025**

**GERMAN**

**PAPER 2A**

**LISTENING**

**40 Minutes**

**CANDIDATE'S COPY**

**ANWEISUNGEN:**

In dieser Prüfung hörst du dich ein Gespräch an.

Es wird dreimal abgespielt.

Du hast 3 Minuten Zeit, um die Aufgaben für das gespielte Gespräch durchzulesen

Beantworte die Fragen am Ende.

Schreib auf den Antwortbogen.

Du hast 3 Minuten deine Antworten zu bestätigen.

### Fragen zum Text

1. Welches Problem hat Anna mit sozialen Netzwerken?

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2. Was hat Anna beschlossen, um ihre Zeit besser zu organisieren?

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3. Warum findet Anna soziale Netzwerke praktisch?

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4. Wie nutzt Anna soziale Netzwerke für die Schule?

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5. Anna möchte ihre Zeit besser organisieren. Findest du ihre Lösung praktisch? Was würdest du machen, um das Gleiche zu erreichen?

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**ENDE!**

# HOLIDAY WORK

2025

S.4 I.R.E 225/1

TIME: 2 ½ HOURS.

## INSTRUCTIONS:

- This paper consists of two sections; A and B. It has **six** examination items.
- Section A has two compulsory items.
- Section b has two parts, 1 and 11. Answer one item from each part.
- Answer four examination items in all.
- Any additional item(s) answered will not be scored.

## SECTION A

Answer **both** items in this section.

### Item 1,

Kamankooli Badru completed his P.L.E. and was taken to his grandparents in Kyamaddu village. He found them doing certain practices like praising the occurrence of the full moon, they considered it as a curse to meet certain creatures, they consulted foretellers, they believed that Angels were related to God, they sacrificed to small gods, and they thought that once someone dies, that was completely the end of life. Badru is now confused on the right path to take.

### Tasks,

- a) Basing on the scenario, explain Islamic teachings that will enable Badru to stick to the right path.
- b) Explain ways in which the practices in the scenario differ from practices in Islam.

### Item 2,

“O mankind! We created you from a single (pair) of a male and female, And made you into Nations and tribes, that ye may despise (Each other). Verily the most honoured of you in the sight of Allah is (he who is) the most Righteous of you. And Allah has full knowledge And is well acquainted (With all things)” Surat Al Hujurat 49:13.

### Tasks,

- a) Interpret the above Qur’anic text in regard to Respect for Human dignity.
- b) How do some people in Uganda abuse Allah’s provisions reflected in the text above?

## SECTION B

This section has **two parts; 1 and 11.**

### PART 1

Answer **one** item from this part.

#### Item 3

“Cursed are the Mutaffifeen (Those who give less in measure and weights) those who when they have to receive by measure from men, exact full measure. But when they have to give by measure or weight to men, Give less than due. Do they not think that they will be raised up? (For accountability) Surat Al Mutaffifeen 83:1-4

#### Tasks;

- a) Explain the guidance in the above verse in regard to work.
- b) Why do people behave in the way as reflected in the above verse?

#### Item 4

Sulait a rich nominal Muslim of Kimu Village and owns kamulaali investments. However he spends his weekends and holiday programs in betting, taking of wine, buying prostitutes, downloading pornographic literature using his expensive technological devices and spending luxuriously on parties. The Mosque committee is highly concerned with the conduct of their fellow Muslim brother and they want to chase him out of their village mosque for a shaming them.

#### Task;

Basing on the information in the scenario;

- a) Explain the teachings of Islam on the way Sulait should conduct himself,
- b) What dangers are likely to emerge?

### Part 11

Answer **one** item from this part.

#### Item 5

“O you who believe! Stand out firmly for Allah as just witnesses; and let not the enmity and hatred of others make you avoid justice. Be just: that is nearer to piety; and fear Allah. Verily, Allah is well acquainted with what you do.”

Surat Al-Maidah 5:8

**Support:** The word **piety** means **strong belief in religion**.

**Task:**

- (a) How does the above verse guide Muslims in matters of justice in their daily life?
- (b) Relate the Traditional African approaches on justice to those in the Qur’anic text above.

### **Item 6**

Lubanda secondary school organized an M.D.D (Music, Dance and Drama) inter house competitions. The results from the competition were contested with bitter reactions, students quarreled, fought each other, threw stones at adjudicators, destroyed property, and their actions created enmity and hatred. The school administration would like this situation to be settled and resolved.

**Task.**

- a) Basing on your Islamic Religious Education knowledge, explain the ways in which the situation can be settled.
- b) What contemporary views can be used to resolve the situation?

**END.**

336/2  
LUGHA YA KISWAHILI  
KARATASI YA KWANZA  
JULAI 2025  
MUDA: SAA 2:30  
9/07/2025

**HOLIDAY WORK**  
**UGANDA CERTIFICATE OF EDUCATION**  
**LUGHA YA KISWAHILI KARATASI YA PILI**

**Saa Mbili**

MAAGIZO

➤ *Jibu maswala yote*

**SEHEMU A: UFAHAMU**

**1. Soma taarifa ya habari ifuatayo kisha ujibu maswali yote yatakayofuata hapo chini yake;** *(Alama 20)*

Hapo mwanzoni mwa dunia hii, Mwenyezi Mungu aliumba viumbe wengi sana duniani. Binadamu ndiye kiumbe aliyepewa uwezo na madaraka ya kuwa kiumbe mkuu wa viumbe wengine. Binadamu wa kwanza kuumbwa na Mungu ni Adamu na Hawa. Wanadamu hao Mungu aliwapa makazi mazuri katika shamba la Edeni. Mungu aliwaambia watengeneze familia yao kwa kuzaa watoto, wajaze dunia nzima. Mungu aliwawekea mwiko wa tunda. Waliambiwa kuwa wale matunda yote mengine pale shambani lakini wasile tunda haramu tunda kwa sababu kula tunda haramu ni dhambi kubwa. Hata ingawa Adamu na Hawa walionywa wasile lile tunda haramu, walilipuuza onyo la Mungu wakafanya makosa ya kula tunda haramu.

Mungu alikasilika sana na kuwafukuza moja kwa moja waovu hao watoke kwenye shamba lake tukufu na kuwatupa hapa duniani. Tangu siku hiyo, Mungu alimlaani binadamu.

Bindamu ni kiumbe aliyelaaniwa. Hii ndiyo sababu mwanadamu anateseka kupata chakula na kila kitu. Kosa la Adamu na Hawa ni chanzo cha shida, changamoto na kuteseka kwa vizazi vinavyowandama. Mtu anaitwa binadamu au mwanadamu kwa sababu watu wote duniani vizazi vyote vinatokana na familia ya Adamu. Sisi sote ni bin au wana wa Adamu – wanadamu pengine binadamu. Maneno hayo yameandikwa katika Vitabu vitakatifu vya dini; Bibilia ya wakristo na Korani ya waislamu.

Kuna viumbe wa aina nyingi duniani. Kwa mfano; wanyama, ndege na wadudu. Kuna Wanyama wa aina mbili; wanyama-pori na wanyama wanaofugwa nyumbani. Wanyama-pori wanakaa kwenye mbuga za wanyama misituni/porini/mwituni na majini. Wanyama wanaokaa misituni au porini ni kama vile; Simba, chui, Tumbili, Kifaru, swala, Nyati, Tembo, kuchakuro, Twiga, Pundamilia, Fisi, Mbweha, nakadhalika. Kwa nchi kama Uganda wanyamapori wanasaidia nchi kuingiza pesa za kigeni kutoka kwa watalii kama wazungu wanakuja kutazama wanyamapori wetu waliyo kwenye mbuga za wanyama kama vile; Kidepo na Queen Elizabeth. Pia kuna wanyama pori wanaokaa majini kama; Samaki, Mamba na Kiboko.

Kuna wanyama wanaofugwa nyumbani kwa binadamu. Miongoni mwa wanyama wanaofugwa ni; Ng'ombe, Mbuzi, Mbwa, kondoo, punda, Ngamia, Nguruwe, Sungura , paka, panya na farasi. Wanyama hawa ni muhimu sana. Wanyama wanaleta faida kubwa mno kwa binadamu. Kwa mfano; Wanyama wanatupatia nyama ambayo ni chakula kwa binadamu, Wakulima wanapata pesa nyingi baada ya kuuza wanyama sokoni, wanyama wanafanya kazi kubwa ya kusafirisha watu na kubeba mizigo mizito. Wanyama pia wanatupatia mazao mengi kama vile; siagi (mafuta) ya kukaangia chakula, maziwa ya kunywa kama chai, ngozi za wanyama zinatuseaidia kutengenezea viatu, ngoma, mikoba, nguo, kofia, silaha miongoni mwa vitu vingine vingi sana. Wanyama pia wanafanya kazi ya kulinda usalama nyumbani kama askari nyumbani. kwa mfano mbwa, akimwona mtu mgeni au mwizi akiingia hapo nyumbani, mbwa ataanza kubweka bwe bwe bwe! na kumfukuzia mbali.

Ndege au nyuni ni wa aina mbili; kuna ndege pori na ndege wanaofugwa nyumbani. Ndege wanaokaa porini au mwituni ni kama; Mbuni, kanga, korongo, Tausi, Kwale, tai, kipanga, Bundi, Mwewe na kadhalika. Ndege wanaofugwa nyumbani ni kama vile; Kuku, Bata, Kasuku, Batamzinga na Njiwa. Umuhimu wa ndege kwa binadamu ni kama; Kupata nyama ambayo ni chakula kwa binadamu, Ndege wanapatia binadamu mayai ya kula, Binadamu anapata pesa nyingi baada ya kuuza mazao ya ndege kama vile, mayai na nyama ya ndege.

Viumbe wengine ni wadudu. Kuna wadudu wengi sana duniani kwa mfano; Mchwa, kumbikumbi, senene, panzi, kipepeo, kiwavi, siafu, sisimizi, kupe, funza, nyuki, Nzi, Mbu,

Mende, mabuu, nakadhalika. Wadudu wana faida na *madhara chungu nzima*. Kwa upande wa mazuri, yaani faida za wadudu kwa binadamu ni kama vile; Nyuki wanatengeneza asali ambayo ni tamu sana kwa binadamu, Wadudu ni chakula kwa binadamu. Wanadamu wengi wanakula wadudu kama vile; Kumbikumbi, mchwa na Senene. Kwa upande wa uhatari au mambo mabaya ya wadudu, wadudu wanasababisha madhara makubwa kwa binadamu kwa mfano; wadudu wanasambaza ugonjwa kwa binadamu. Kwa mfano; Mbu wanasambaza ugonjwa wa malaria. Nzi wanasambaza ugonjwa wa kipindupindu na waba. Wadudu wengine wanasumbua sana mwanadamu wanang'ata, wanauma, wanawasha na kuleta maumivu makubwa kwa mwili wa binadamu. Wadudu pia husababisha madhara makubwa kama vile kuharibu mimea ya wakulima shambani. Wadudu wengi wakiwemo nzi na viwavi ni waharibifu wakubwa wa mimea hapa nchini.

*Maswali;*

a) Pendekeza mada mwafaka kwa habari hiyo.

*(Alama 01)*

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b) Mwenyezi Mungu aliumba binadamu gani kwanza na walipewa makazi wapi? *(Alama 02)*

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c) Adamu na Hawa walifanya dhambi gani mpaka wakafukuzwa shambani Edeni?  
(Alama 02)

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d) Wadudu wana madhara gani kwa watu kama wananchi wa Uganda? (Alama 02)

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f) Ndege wana umuhimu gani kwa watu wa jamii au nchi yako? (Alama 02)

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g) Andika umuhimu au faida tano za wanyama kwa Wananchi wa nchi yako. (Alama 05)

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h) Wewe kama mwanafunzi unapata mafunzo gani kutoka kwenye hadithi hiyo? (Alama 04)

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j) Toa maana ya vifungu vya maneno hivi kama vilivyotumika katika habari;

i) Mbuga za wanyama. (Alama 01)

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ii) madhara chungu nzima. (Alama 01)

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## SEHEMU B: FASIHI

### 2. Soma dondoo hili kisha ujibu maswali yaliyo hapo chini.

“Huyu rafiki yangu,” akasema Tim baada ya wao kuzungumza mengi mengine.

“Ni Akida.”

“Akida ni kabila gani?” aliuliza mjomba wake Tim.

“Mimi ni Mkanju,” nikajibu kwa tabasamu. Sikuona sababu yoyote ya kuliaibikia kabila langu. Kwanza mjomba wake rafiki yangu aliukunja uso na kuiweka glasi yake ya kinywaji mezani.

“Eti Mkanju?” alitikisa kichwa na kuangua kicheko kikavu nilichokiona cha kishetani.

“Kwani mjomba kuna nini?” aliuliza Tim.

“Wakanju?” aliendelea yule mzee huku amenikazia macho.

“Hakuna watu wajinga kama Wakanju. Mimi huwa nasema kwa jahara mambo haya, sifichi kitu.”

Maneno ya mzee yule yalindunga moyoni kama upanga unaokatiza makalini na mafuta.

“Hebu niambie kijana,” aliendelea. “Babako ana wake wangapi?”

“Alikuwa na mmoja tu?”

“Na sasa ako na sita au kumi?”

“Tangu mama kufa hajaoa tena.”

“Kwani ni Mkanju gani huyo? Hakuna Mkanju ana mke mmoja tu. Hakuna. *Number two*, Wakanju wanapenda matanga sana. Ukimkuta Mkanju safarini ujue anasafiri kwenda matanga; sijui matanga ya mjomba, sijui matanga ya binamu, sijui matanga ya nani. Wataanza kwenda matanga ya mbwa na paka...”

“Mjomba sasa twataka kuondoka,” alisema Tim.

Nilikuwa sijiwezi kwa uchungu. Huenda Tim aling’amua hilo.

“Aah! Ngoja nikwambie Tim. Mkanju hana shukrani. *Seriously.*”

*(Dondoo hili limenukuliwa kutoka kitabu cha Kufa Kuzikana na Ken Walibora, 2007)*

Maswali:

- a) Mazungumzo haya katika dondoo hili yanasababisha athari fulani baina ya wahusika? Eleza.

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- b) Kulingana na jinsi Mjomba anavyotenda dondooni, eleza wasifu wake.

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- c) Eleza mandhari katika dondoo hili.

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- d) Changanua mbinu za lugha zinazojitokeza katika dondoo hili

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- e) Ni mafunzo gani unayopata baada ya kusoma dondoo hili?

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**MWISHO**  
**KILA LA HERI**

**336/1**  
**KISWAHILI**  
**Karatasi ya Kwanza**  
**Juni 2025**  
Muda Saa 2

**S.4 HOLIDAY WORK**  
**Karatasi ya Kwanza** Insha na  
Ufupisho

Saa mbili

**MAAGIZO KWA WATAHINIWA:**

- *Karatasi hii ina sehemu; **mbili: A na B.***
- *Katika sehemu **A**, kuna maswali mawili. Chagua swali **moja.***
- *Jibu maswali **mawili** kwa ujumla.*
- *Sehemu **B** ni ya **lazima.***
- *Majibu yote yaandikwe kwenye karatasi uliyopewa.*
- *Swali la ziada halitasahihishwa.*

## SEHEMU A UTUNZI WA INSHA

### Ama

1. Watu wengi nchini hutumia vibaya mazingira wanamoishi. Tatizo hili limesababisha madhara mengi nchini. Kuna haja ya kuyaokoa mazingira. Andika insha ukipendekeza namna mazingira yanavyoweza kutunzwa. (alama 20)

### Au

2. Jamii iko katika hatari kubwa ya kuathirika kutokana na ongezeko la matumizi ya madawa ya kulevya. Madawa hayo yanauzwa madukani na hata mitaani. Wewe kama kiongozi wa wanafunzi, andika ushauri mwafaka utakaowatolea wanafunzi wenzako kuhusu matumizi ya madawa ya kulevya. (alama 20)

## SEHEMU B UFUPISHO

*Fupisha Habari hii kwa maneno 70 ukionyesha mambo yanayosababisha janga la njaa na njia ya kukabiliana na janga hilo. (alama 20)*

### Baa la njaa

Mwezi ni wa Julai ambao kwa kawaida, huwa na baridi kali ya kutafuna mifupa. Lakini mara hii baridi kiasi, tena ni ile ya usiku tu. Leo anga ilikuwa nyeupe, jua la utosi lachoma kwa ukali ule wa kaskazi. Nyasi zimekauka. Miti imepukutika majani na makonde yaliyolimwa yameota magugu ambayo yalijinyaukia na kakauka. Milolongo mirefu ya ndoo na mitungi ya maji ilionekana mchana kutwa kwenye sehemu za chemichemi za maji na kwenye mifereji. Ng'ombe, mbuzi na kondoo walihangaika kutafuta nyasi na maji.

Ile mvua ya masika ambayo kwa kawaida huipoza na kuitakasa ardhi kati ya mwezi Machi na Juni ilikuwa katu haijanyesha. Matambiko na makafara ya kuomba mvua yalikuwa yametolewa na jamii mbalimbali, lakini wapi! Akiba ya chakula maghalani ilikwishatumiwa, njaa ikagonga hodi. Watoto, kina mama na vikongwe ndio waliokuwa wa kwanza kusalimu amri. Mifugo pia walikonda mifupa ya mbavu

ikawa yahesabika, wakadhoofu na wengine kufa. Maisha yakawa magumu nchini Gongwa. Basi kana kwamba haya hayatoshi yakafumuka magonjwa hasa yale ya kuendesha, kuumwa na tumbo na kimeta. Magonjwa haya yalikuwa kama msumari wa moto juu ya donda.

Serikali ya Gongwa kuona hivi, ikatangaza baa la njaa kuwa janga la kitaifa. Hali ambayo iliifanya jamii ya kimataifa kutaka kuiokoa Gongwa. Wahisani wafadhili, marafiki na majirani wakamimina msaada wa chakula. Watu wa Gongwa walifaidika kwa sembe, maharagwe, biskuti, maziwa ya unga na mafuta ya kupikia. Mzee Semwanga alishangaa, “Sembe kilo mbili, maharagwe pishi moja watakula wangapi!” Mzee Semwanga alikuwa na wake watatu na watoto kumi na wanane. Hatimaye aliamua watengenezewe uji angalau kushikilia hayo matumbo, na yeye mwenyewe akaingia nyika kutafuta mizizi ambayo kwa sasa walizoea kutafuna ili kusukuma maisha.

Watu wa Gongwa walikemea serikali yao kwa ukosefu wa sera mahususi kuhusu namna nchi inavyoweza kujitegemea kwa chakula; ukosefu wa mipango ya kudumu ya kukinga maji yanayotokana na mafuriko kwa matumizi ya baadaye; kutoweza kutumia maji yaliyoko kwenye mito na maziwa kunyunyizia mashamba; pamoja na kutoweza kukuza mimea isiyo na uhitaji mkubwa wa maji kwenye maeneo kame. Vilevile serikali ya Gongwa ililaumiwa kwa kutotekeleza mapendekezo ya utafiti unahusu uimarishaji wa mbinu za kilimo ili kuweza kujitegemea kwa chakula.

Lawama hizi zilipofikia sikio sugu la serikali ya Gongwa, msemaji rasmi wa serikali aliwaahidi wananchi ya kwamba aibu kama hii ya nchi yenye rutuba kama Gongwa kukumbwa na balaa ya njaa haitatokea tena. Alisisitiza ya kwamba mipango kabambe inafanywa ili suluhisho la kudimu lipatikane na mikakati yote iliyopendekezwa na wananchi itashughulikiwa. Akawaeleza ya kwamba tayari wafadhili wamepatikana, na miradi ya kunyunyizia maji mashamba imeanza kufufuliwa kwa minajili ya kustawisha kilimo, hususan uzalishaji chakula.

## **MWISHO**

456/1  
MATHEMATICS  
Paper 1  
 $2\frac{1}{4}$  hours.

**HOLIDAY WORK**  
Uganda Certificate of Education  
MATHEMATICS  
Paper 1  
2hours 15 minutes.

**INSTRUCTIONS TO CANDIDATES:**

This paper consists of two sections: A and B. It has six examination items.

Section A has two compulsory items.

Section B has two parts: *I* and *II*. Answer **one** item from each part.

Answer **four** examination items in all.

All answers **must** be written in the answer booklet(s) provided.

Graph Paper is provided.

Silent non-programmable scientific calculators and mathematical tables with a list of formulae may be used.

	FOR EXAMINER`S USE ONLY			
ITEM ATTEMPTED	1	2		
SCORES				

**SECTION A.**

**ITEM 1.**

Akot is a market vendor who sells fresh pineapples in Bwaise central market. She buys her produce from farmers in nearby villages.

Akot bought 12 crates of pineapples, each containing 15 pineapples, from Kamyá`s farm. She sold 30% of the total number of crates before her long -time friend, Zainab came to visit her. They went for dinner at a restaurant where they spent shs. 25,000 on each plate of food and shs 8100 on drinks altogether. Zainab informed Akot about her poultry farm project and inspired her to join. Zainab informed Akot that she visits her project after every five days and Akot promised to visit the same project after a week. They agreed to set up a joint business with Zainab investing shs 800,000 and Akot investing shs 600,000, fore casting a gross profit of shs 2,400,000 by the end of the year. They also agreed to save 20% of the profit for re-investment and 30% of the remainder to pay their workers in the business. They agreed to share the remaining profit in the ratio of their initial contributions.

Task

- After how many days will Akot and Zainab meet again at the poultry project?
- How much money in words did Zainab on dinner?
- If Akot repacked the remaining pineapples into new crates of 9, how many crates did she get?
- How much will each person get at the end of the year from the joint business?

**ITEM 2**

A school is planning to take students for a study trip to Kasese. The organizers of the trip are planning to buy 5 loaves of bread and 7 litres of spiced milk at shs 118000 for the journey from School to Kasese. The also plan to buy 6 loaves of bread and 8 litres of spiced milk at shs 140,000.

The students are to travel by taxi and mini bus. The capacity of the taxi is 18 people while that of the mini bus is 27 people. The number of supporters to go will not exceed 108. Each trip the taxi and mini bus make,

costs shs24000 and shs 30,000 respectively. The money contribution for transportation of the students is shs 240,000. The number of trips made by the taxi should not exceed those made by the mini bus by more than 2.

$x$  and  $y$  are the number of trips made by the taxi and mini bus respectively,

Task:

- (a) Determine the cost of purchasing each of the commodities to be used during the study trip.
- (b) Write down five inequalities representing the information for mini-bus and taxi.
- (c) By shading the unwanted region, show the region satisfying all the inequalities.
- (d) How many trips of each vehicle should the organizing committee make for each vehicle for all the planned many to be used?

## SECTION B

**Attempt only one question from each part.**

### PART I

#### ITEM 3

Student leaders in a certain school are planning to take 50 students for UMEA competitions. These students should play three games namely Football (F), Volleyball (V) and Handball (H). Of the registered students, 24 play football, 26 play Hand ball and 29 play volley ball. 9 play both Football and Volleyball, while 13 play both Hand ball and Volley ball, 11 play both Football and Handball. Each of these students play at least one of the three games.

Task:

- (i) Represent the above information on a Venn diagram.
- (ii) By determining the number of students who play all the three games, write a detailed report for the number of students to take for each category.
- (iii) Determine the probability that a student selected at random plays only two of the games.

#### ITEM 4

Uniform garments company makes school uniforms for certain schools in rural areas. It is planning to make uniforms for incoming senior five students in a certain school. Recently it had gathered sizes of uniforms for the senior five students as shown below.

50	53	31	56	38
33	39	51	38	41
69	57	63	50	54
40	41	45	48	64
59	61	55	36	52

Task:

- (i) Using class interval of 5 and starting with a class of 30-34, present this information in a frequency distribution table and use it to obtain the average uniform size the company should make for the incoming senior five students.
- (ii) Using a suitable frequency diagram, estimate the interquartile range for the sizes of uniforms to be made for the coming senior five students.

## PART 11

### ITEM 5.

In a quest to improve the living standards of citizens of a certain country, the revenue authority designed tax structure for working citizens as shown in the table below.

Taxable income (shs)	Tax rate %
0 – 15,000	8.50
15,001 – 84,000	16.50
84,001 – 170,000	24.00
170,001 – 285,000	30.00
285,001 – 435,000	37.50
Above 435,000	48.50

This tax structure is presented to the Parliament for approval to start working in the next financial year. However, the Parliament has suggested that the levied tax should not exceed 30% of a person's gross monthly income.

It has further established allowances deducted from a person's gross earnings before they are subjected to tax as follows.

- One twentieth of the gross monthly income for marriage allowance.
- Shs 120,000 per annum for Family relief and insurance
- Shs 12,500 per month for Water and Electricity
- Shs 35,000 per month for Housing
- Shs 240,000 per annum for Medical (Self and family)
- Shs 24,000 per month for transport.
- Family allowances for four children as shown in the table below.

Above 16 years of age	Above 10 years but below 16 years	Below 10 years
Shs 5800 each	Shs 7200 each	Shs 9,000 each

Joy is married with a family of four children with two of them below the age of 9, the elder is 20 and the other 14 years. He earns shs 680,000 per month.

Task: Assuming you are appointed as a member of the committee to verify the tax structure,

- (i) Determine Joy's taxable income
  - (ii) Calculate Joy's income tax
- (b) Expressing Joys income tax as a percentage of his gross income, will this tax structure be favorable to the citizens of this country?

### ITEM 6

Juma tent manufacturing company has won a bid of supplying camping tents to be used during tourism. The tourism company suggests that the tents should be made with triangular poles having a circular jacket passing over its joints.

In their design, the triangular vertices should be labelled P, Q and R with angle  $\angle PQR = 60^\circ$ ,  $\overline{QR} = 9.0\text{m}$ ,  $\overline{PR} = 8.5\text{m}$ .

Hint: Use 1cm: 1m

Task:

- (a)
  - (i) By using a pencil and pair of compasses, draw an accurate diagram showing the outlook of the camping tent.
  - (ii) Determine the radius of the circular jacket.
- (b) If Juma tent manufacturing company is required to make 20 camping tents and each area of circular jacket is sold at shs 25,000 determine the amount of money required for the 20 circular jackets.

\*\*\*\*END\*\*\*\*

# COMPETENCE BASED CURRICULUM

## HOLIDAY WORK

### UGANDA LOWER SECONDARY CERTIFICATE OF EDUCATION (U.L.S.C.E)

#### S.4 MATHEMATICS Paper 2

**2hours**

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#### Instructions to Candidates

- **Attempt any four questions from this paper**
- **All necessary calculations must be done in the answer sheet provided**
- **Any additional question (s) answered will not be marked**
- **Graph papers are provided by yourself**

1. Okot and Opio of different ages. They need to join Kabongo S.S this year 2024. Okot is four times as old as Opio. Eight years ago, the product of their ages was 108 years. One day in a mathematics lesson, Okot borrows a calculator from Opio and on the screen he finds a number 720 which made him wonder which numbers he could have entered to get the outcome as that figure. On the same day, since they had moved with a metallic case in form of a rectangular based pyramid measuring 10cm by 8cm and each slanting edge of length 13cm. They decided to change the colour of the case by painting.

Task

- a) How old do you think are the present ages of the two friends?
- b) Assist Okot to figure out the possible values that Opio could have typed in the calculator to get the number on the screen?
- c) Help the two friends Opio and Okot to figure out the area of the material that was used to paint their metallic case? (25mks)

2. The population census carried out by Uganda Bureau of statistics in 2022 showed that 0.55 million Ugandans in Bugema village were female of which  $\frac{5}{8}$  were children. The males in Bugema village were 0.00072 million of which  $\frac{5}{9}$  were children and 30% of all the children in Bugema village were hospitalized.

Kampess is a non-profitable organization that extends a helping hand. Kampess has budgeted UGX 25 million for the purchase of food stuffs and soap to distribute to all hospitalized children in the village. The prices of the items on market was found to be as tableted.

Items	Quantity	Amount(UGX)
Beans	100kg	400,000
Rice	50kg	250,000
Soap	1 box (24 bars)	84,000
Sugar	25kg	75,000
Posho	50kg	250,000

In a meeting, a member suggested a distribution plan as follows; give to each child 5kg of beans, 4kg of rice, 4 bars of soap, 2kg of sugar and 10kg of posho. The chief financing officer is worried that the money might not be enough to serve all the hospitalized children in Bugema village.

#### Task

Help the chief financing officer, explain to the members in the meeting that the suggested distribution will cause scarcity of funds and thus come up with a better plan that fits within the budget? (25mks)

3. Mr Mweebe, a peasant farmer in Bombo Kalule village wants to start goat rearing in zero grazing approaches with a vision of becoming the greatest farmer in the country.

He consulted the experts and he was told that due to the nature of his land, he is supposed to construct fixed poles on which he is supposed to tie ropes of goats and the following positions were discovered to form a straight line;  $(-2,-1), (0,0), (2,1), (4,2)$  and  $(6,3)$ . One day while on the farm grazing, had not moved with

packed food and decided to visit a nearby shop. He had UGX 6,200 which was exactly enough to buy 3 loaves of bread and 2 bottles of soda. However, he made a mistake and purchased 2 loaves of bread and 3 bottles of soda. He then had a balance of UGX 400. Since the shop attendant was busy, he never asked the price of each item.

Task

- a) Help him to figure out the equation of the line that passes through the positions of the poles?
- b) By drawing a straight line through the positions, identify the coordinates of four other positions on the line where the poles can be fixed?
- c) Help him to obtain the relationship between the x and y-coordinates of the above positions?
- d) Using matrix multiplication, assist him to figure out the cost of each item a loaf bread and a bottle of soda? (25mks)

4. A friend to your guardian wants to bring his child to the same school you attend. He calls your guardian and requests her to direct him to your school. There are two routes you can use from home to school.

Route A; A straight direct murram road from home to school

Route B; From home, drive in the direction of 135 degrees for 55km and then make a bearing of 180 degrees turn and drive more 40km you will find Kalagi trading centre. From Kalagi you will further drive in the western direction until you reach the school. The home is vertically located above the school premises.

The friend requests your guardian to send him a drawing instead of summarizing his direction.

Task

- a) Assist her to make the drawing showing the road map to school?
- b) If after the drawing a friend rather decides to take the southern direction from home. Through what distance will he drive to reach school?
- c) If he starts driving at 12:30pm and arrives at school at 2:30pm through route B non stop. What shall be his average speed?
- d) Which option of the two routes should he take and why?

5. Musa is a business man who deals in an agricultural produce business. One day he visited four markets in a certain week.

In market A, he bought 3 bags of beans, 5 bags of maize, 10 bags of potatoes and 3 bags of millet. In market B, he bought 1 bag of beans, 4 bags of potatoes and 2 bags of millet. In market C, he bought 5 bags of beans and 1 bag of maize. In market D, he bought 4 bags of beans, 3 bags of maize, 6 bags of potatoes and 1 bag of millet.

He bought each bag of beans at ugx 45,000, a bag of maize at ugx 30,000, a bag of potatoes at ugx 15,000 and a bag of millet at ugx 50,000. He later sold all the produce he had bought at ugx 50,000 per bag of beans, ugx 35,000 per bag of maize, ugx 18,000 per bag of potatoes and ugx 55,000 per bag of millet.

#### Task

a) Assist Musa to summarize the above information in form of ;

i) a  $4 \times 4$  matrix for the produce he bought in the four markets

ii) a  $4 \times 2$  matrix for the cost and selling prices of the produce

b) What do you think is the appropriate order for computing total cost and selling expenses in each market?

c) Using the matrices above, help him to determine the total profits obtained from the produce in each market. Hence determine the overall profit made in a week?

d) Guide him to figure out the percentage profit he made on the produce in each market in a week?

e) Of the four markets, where did Musa make maximum expenditure and why? (25mks)

6. A worker who earns a gross salary of ugx 600,000 annually wants to save money to start his own business. He is able to save ugx 100,000 every year. However each time money accumulates on his account, he gets a challenge and he uses the money. He approaches a friend for advice and he is told to open up a smart plan with his bank on the terms and conditions that, he is given additional 5% saving simple interest on the total amount saved in the agreed time.

His other expenditures after saving include; House rent which is a quarter of his salary, Home glossaries of ugx 98,000 and a deposit on a flat screen costing ugx 350,000 .It's hire purchase price is 12% higher than the cost price. He is able to pay the screen in 10 equal instalments of ugx 24,000 each.The balance is what he keeps for other un expected circumstances.

Task

- a) How long will it take him to save ugx 210,000 to start the business?
- b) How much amount does he deposit on the screen every year?
- c) Determine the money saved if the worker buys the screen by paying cash rather than by hire purchase?
- d) Which money goes to un expected circumstances every year? (25 mks)

**KYADONDO SS MATUGA**  
**HOLIDAY WORK**  
**UGANDA CERTIFICATE OF EDUCATION**  
**PHYSICAL EDUCATION**  
**PAPER 1**  
**(THEORY)**  
**2 HOURS 15 MINUTES**

**INSTRUCTIONS TO CANDIDATES:**

- This paper consists of two sections, A and B. It has four examinable items.
- Section A has two compulsory items
- Section B has two items. Answer one item from this section.
- Answers must be written in the answer booklet (s) provided
- Answer three items in all
- Any additional item answered will not be scored

## SECTION A (COMPULSORY)

### ITEM 1

In one school in the city suburbs, children are found of playing games around a construction site with hard surfaces like concrete. They enjoy playing especially in the evening from this site since their school does not have enough space to allow them do this. One evening as soon as the teacher ended the lesson, the P.7 boys rushed out to go and complete their match that they had not completed the previous evening. Unfortunately, a few minutes into the match one child was seen seated down in the middle of the field. When the friends ran to him, they noticed stiffness and reduced flexibility in the muscle, acute pain in the affected muscle which lasted for several minutes and the child found it difficult to move the affected muscle.

The other players decided end to the play, to attend to their friend.

#### TASK

- a. How best could such an incidence be avoided?
- b. Describe how you would attend to the affected learner.

### ITEM 2

In preparation for the upcoming district soccer tournament, the school team coach decided to hold a trial match with the S.6 class to ascertain their readiness for the tournament. The school team won the match, however the coach made the following observations and these included;

- Some of the defenders would breathe heavily after being taken on counter-attack by the opponent strikers
- The goal keeper would find difficulty in diving in all directions to save the ball
- Some of the forward players got tired a few minutes after the start of the game, and they were substituted for.
- The strikers would reach late for the through passes played to them
- He also noticed that the players preferred the canteen edibles to the school food served at the kitchen, since they have the ability to sustain such a diet.

#### TASK

- a. Comments on the fitness levels of the school team players
- b. Design a fitness program that can be used by the coach for the team to better prepare for the tournament.
- c. How would you advise them about their diet?

### **SECTION B (CHOOSE ONE ITEM)**

#### **ITEM 3**

You are a new physical education teacher at a particular secondary school where many students have had limited exposure to organized sports and physical education. Some students are enthusiastic about being active, while others are indifferent and having had little experience with physical activities in their previous schools. Your goal is to introduce them to the fundamentals of PE in a way that engages all students and fosters a lifelong appreciation for physical activity.

#### **TASK**

- a. What is the impact of continued limited exposure of learners to organized sports
- b. Describe the measures that can be taken by the teacher in order to achieve his goal
- c. How would you ensure that even other community members get involved in the available sports in their community

#### **ITEM 4**

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?

**END**