

## TERM ONE 2026 – SENIOR SIX – HOLIDAY WORK

### LITERATURE IN ENGLISH

1. Using anyone of the plays you have studied, explain the lessons brought out that relate to your society.
2. Compare three poems of your choice and ably explain how they differ in the speaker and structure.
3. Literature is a mirror of society. One character in the story is a representative of very many in the same or similar society. Basing on *A walk in the Night*, discuss the view that the novel is walk into the troubled lives of various characters in the story.

### GENERAL PAPER

After collecting the data from your study population, analyse it and compile a report of the entire research project.

### TECHNICAL DRAWING

A workshop in Kireka is constructing a horizontal steel beam to support as suspended water tank and other loads. The beam is 8m long, and is supported at the ends. The beam carries the following loads:

- A point load of 10KN acting downward at 2m from the left end of the beam
- A point load of 6KN acting down wards at 4m from the left end of the beam
- A point load of 8KN acting downwards at a distance of 6m form the left end of the beam

Graphically determine the reactions at the reactions at the ends of the beam and draw the shear force and bending moment diagrams of the beam to give a detailed analysis of the beam.

### GEOGRAPHY 2

A group of form six Geography students while conducting a field excursion were tasked with assessing the impact of modern agricultural technologies on small-scale farmers in selected areas of rural Uganda, during their research the used mixed methods blending qualitative and quantitative data. This data shows adoption rates of modern agricultural technologies by farmers and how it has impacted on crop yields and income and overall livelihoods as shown in the table below;

Adoption ratios of agricultural technologies	Impacts on crop yields and income
Improved seed 60% adoption rate	Average field increase with seed 25%
Drip irrigation 40% adoption	Average income increase 35%
Mobile App for farming 20% adoption rate	Challenges faced, costs 60%

#### Task:

- a) Design a simple statistical diagram to visualize the data on adoption of modern agriculture.
- b) Show some of the objectives that guided the field experience
- c) Present some of the barriers to adoption of modern agricultural technologies in the selected areas of rural Uganda as noted in the analysis of your findings.

AGRICULTURE

CROP PRODUCTION

Mr. Okello is a small holder farmer in Soroti District, Eastern Uganda, where sorghum is a major food and cash crop due to the area's semi-arid climate. He cultivated sorghum on a 2- hectare piece of land and relies mainly on seasonal rainfall.

During the last planting season, he prepared his land late and planted sorghum after the onset of the first rains. He planted by broadcasting seeds unevenly, the used seeds were saved from the previous season's harvest and consisted of mixed discolored, broken, and pest - damaged grains. As the crops grew, he observed damage on the sorghum leaves and immediately went and bought agrochemicals used on horticultural crops and applied them in higher than recommended rate.

When the sorghum reached the grain-filling stage, harvesting was done using a panga and heaped on bare ground. Harvested sorghum was stored immediately after harvesting in unventilated polypropylene bags placed directly on the floor of a damp store. During the selling time, Mr. Okello registered significant grain losses.

**Task:** Recommend appropriate agronomic and post - harvest measures that Mr. Okello should adopt to improve sorghum production and reduce losses in future seasons.

**Item 2**

After receiving Youth Livelihood Funds, a youth group in Kaliro District decided to invest in fish farming as an income generating activity. They constructed one large-sized pond near a seasonal swamp called Naigombwa. The pond was dug at varying depths. Occasionally, animals were seen entering the pond. During the rainy season, the pond flooded, and water stagnated in it for about three days after a heavy downpour. Three months after stocking, the pond depth reduced, and it became noticeably shallower.

The group stocked the pond with both catfish and tilapia fingerlings. One month after stocking, many fish were seen swimming near the pond surface, and some were observed scraping against the pond walls. Four months after stocking, the pond water became dark and cloudy, and algae accumulated on the surface. Some rotting fish feed was seen accumulating at the bottom of the pond.

At harvest, some fish had torn gills and bruised bodies, and some fish were smaller than the expected market size.

**Task:** Suggest ways the group can manage the pond to produce fish of the expected market size.

ICT

1. a) What is emerging technology?  
b) What are some of the trends in ICT industry?  
c) What is the future of computers?
  
2. a) What is digital forensics?  
b) Why is digital forensic very important?  
c) Explain the challenges of digital forensics.

ART

**Scenario:** Your school library wants a large Painting of a hero from Ugandan folklore (Kintu or a local warrior). Since no one knows exactly what they looked like, you must use your imagination to create a powerful, brave character that inspires students to be courageous.

**TASK:** Create this painting under the following guidelines.

- In your sketchbook, draw a thumbnail focusing on anatomy and proportion to make the hero look strong and tall.
- Try using charcoal for a dramatic, smoky mood and ink or paint for the hero's traditional weapons or clothing.
- Final work: Produce a finished painting that uses tone (light and shadow) to make the hero stand out as the main focal point.
- Write a one-sentence justification explaining why you chose specific colors (red for bravery or green for life) to represent your hero
- Include a folder that is a collection of research, sketches, and reflections to prove your progress to examiners
- A short written explanation of why you chose certain colors, symbols or layouts to solve a design task.