

S.5 GEOGRAPHY HOLIDAY WORK

Item 1

Three tourists Veronica, Jane and James visited western Uganda to see the beautiful lakes they had heard about. They saw that those three lakes had contrasting features. With their guide, they named one of the lakes A, lake B and the other one C. The characteristics of the three lakes are summarized in table 1.

Table 1

Lake A	Lake B	Lake C
<ul style="list-style-type: none">✓ Circular in shape.✓ Deep with steep sides.✓ No river or streams flows into and out of the lake.✓ Water in the lake comes from rainfall and underground springs.	<ul style="list-style-type: none">✓ Large basin✓ The rivers flow from different direction.✓ The lake has fresh waters.✓ Covered by swamps at the banks.	<ul style="list-style-type: none">✓ Semi-circular or horse shoe shaped✓ Occupies a uniform flat low-lying area.✓ Shallow with clear still water.✓ Its edges are covered by swamp vegetation.

Veronica, Jane and James wanted to understand how each of the three lakes was formed, but their guide could not explain to them. They are unhappy that the communities living around those beautiful lakes were encroaching on and polluting them. They had cut down vegetation and introduced various plant species like water

hyacinth. They felt the community needed to be advised to conserve those lakes.

Task.

- (a) Explain to Veronica, Jane and James how each of the lakes A, B and C was formed.

- (b) If you were asked to explain the formation of volcanic drainage scenic beauties, how would you present the essay.

Item 2

A team of researchers is studying the sediment load of the Tana River in Kenya. They want to understand how the river's sediment load affects the coastal ecosystems downstream. They reveal as the river, it carries out erosion, transportation, and deposition in the valley. This is through different stages that is the upper stage, middle stage and the lower stage with vast characteristics and features formed

Support material



Task

Describe the characteristics of each stage identified in the scenario of the River and its features at the upper and middle stage.

Item 3

You are a farmer in a rural village in Africa, where drought is a recurring problem. Your village relies heavily on rain-fed agriculture, but the changing climate has made rainfall increasingly unpredictable. You have a small plot of land where you grow maize, beans, and vegetables for your family's consumption and for sale at the local market.

Support material



Task

How can you curb down the disaster to enable the economic development and food security in your area?

Item 4

Agricultural practices have evolved from primitive to modern ones for over time. Its history predates the origin of man and agriculture being the most fundamental form of human activity. This therefore is seen as agriculture land being the most basic of the world's vast and varied resources and from it, the human masses are fed, clothed and sheltered.

Task

(a) Write an essay giving the different forms of Agricultural practices in the world that have evolved from primitive to modern ones.

(b) As an agricultural learner, you happened to tour around your community during your holidays and observed how different forms of Agricultural practices being practiced by your community. Explain the strategies you observed.

Item 5

Many countries of the world are experiencing different changes in their climatic statistics due to the different forms of Agricultural practices. Study the table below showing the different climatic statistics of Azande Territory in the Dem. Republic of Congo and answer the tasks that follow.

Support Material.

Month	J	F	M	A	M	J	J	A	S	O	N	D
Temp (°C)	20	21	22	22	21	20	20	21	22	22	21	20
Rainfall (mm)	30	40	128	195	190	40	54	98	130	218	145	37

Task

(a) Calculate the:

(i) mean annual rainfall

(ii) mean annual temperature

(iii) mean annual temperature range

(b) Basing on the knowledge you acquired from statistics draw a suitable graph to represent the information given from the table above.

(c) Compare the data given from the table and the graph you have drawn. Write a report to the Ministry of Agriculture, Animal Industry and Fisheries (MAAIF). On your report give the likely economic activities that the Azande people carryout and problems they face.

Item 6

Uganda's geology is characterized by fault lines, particularly the East African Rift System. This has shaped the country's landscape and created unique geological features. Faulting has influenced the formation of lakes, mountains, and valleys. It has also affected the distribution of natural resources, such as minerals and geothermal energy. Understanding faulting is crucial for geological research and exploration. Fault lines can also pose seismic hazards, impacting infrastructure and communities. By studying faulting, scientists can better understand Uganda's geological history. This knowledge can inform land-use planning, resource management, and disaster mitigation. Faulting has also created opportunities for hydroelectric power generation. The Albertine Rift, for example, has significant geothermal potential. Recognizing the importance of faulting can help Uganda harness its geological resources. By embracing geological research, Uganda can unlock its economic potential.

Task

How is the scenario explain the present-day appearance of the landscapes identified?

END