

P250/1
GEOGRAPHY
(Physical Geography)
Paper 1
Jul./Aug. 2026
3 hours



WAKISO-KAMPALA TEACHERS' ASSOCIATION (WAKATA)

WAKATA MOCK EXAMINATIONS 2026

Uganda Advanced Certificate of Education

GEOGRAPHY
(PHYSICAL GEOGRAPHY)

Paper 1

3 hours

WAKATA 2026

INSTRUCTIONS TO CANDIDATES:

*This paper consists of **two** sections A and B. It has **four** examination items.*

*Section A has **two** compulsory items.*

*Section B has **two** optional items; Respond to **one** item.*

*Respond to **three** items in all.*

You may use diagrams where applicable to illustrate your responses

*Any additional item(s) responded to will **not** be scored.*

Responses to each item must start on a fresh page

SECTION A

All items in this section are compulsory

Item 1: MAP SKILLS

Use the East Africa (UGANDA) Topographical Map Extract of **MOROTO**, Series Y732, Sheet 27/3, Edition 5-D.O.S.

Moroto is located in the Karamoja sub-region of north-eastern Uganda between Latitudes $2^{\circ}30'$ and $2^{\circ}40'$ North and Longitudes $34^{\circ}35'$ and $34^{\circ}45'$ East. Despite possessing a variety of natural and human resources, including minerals, wildlife resources, domestic animal resources, tourism attractions, pastures and extensive land suitable for development, the area has historically remained among the comparatively less developed regions of Uganda.

The Government of Uganda, together with development partners, is implementing programs aimed at improving the livelihoods of the people in the region. However, a number of physical and socio-economic challenges continue to limit sustainable development.

The Ministry of Finance, Planning and Economic Development has commissioned a feasibility study in the area represented on the map to identify existing development constraints and potential investment opportunities. As a member of the study team, you have been assigned to prepare a report to guide planning and investment decisions.

Task:

Study the map extract provided and write a geographical report for submission to the Ministry. Your report should: Illustrate the physical and human landscape of the area, examine the major challenges that may hinder development in the area, identify the investment opportunities and recommend suitable development projects that can be undertaken based on the physical and human environment shown on the map.

Item 2.

The Earth, one of the planets in the Solar System, has been described and interpreted in various ways by different schools of thought. These descriptions focus on its internal structure, external shape, and surface features. Scientific investigations have further revealed important information about the internal properties of the Earth, which are essential in understanding the formation and evolution of tectonic landforms as well as the distribution of natural resources.

The Directorate of Geological surveys and Mines has organized a symposium on the significance of the internal properties of the Earth. As a geographer, you have been invited to provide your views on the structure and internal dynamics of the Earth and how these contribute to its resource potential.

You have been guided to use a well-labelled and relevant diagram to describe the internal structure of the Earth and explain how its internal properties influence tectonic processes and the formation of associated landforms.

Task:

Prepare a document that you will use to make a presentation at the symposium.

SECTION B

Respond to only one item from this section.

Item 3.

The districts of Mbale, Bukedea and Soroti in Eastern Uganda have recently experienced varying weather conditions. During some days, residents reported very hot and uncomfortable conditions accompanied by high sweating rates, while on other days, thick clouds formed and heavy rainfall occurred in the afternoons. Local media outlets have reported that all this is due to the influence of atmospheric humidity. Farmers, fishermen, and transport operators have now become increasingly interested in understanding how atmospheric humidity influences weather changes and rainfall patterns so that they can plan their activities more effectively.

The Department of Meteorology, Ministry of Water and Environment has launched a community sensitization program to help people understand the role of atmospheric humidity in weather forecasting and environmental management.

As one of the student representatives participating in the program, you have been asked to prepare an informative report for the local communities.

Task:

Prepare a report for the Department of Meteorology to use in the sensitization of the local communities. The report should include an explanation of the relationship between atmospheric humidity and other weather conditions and advice on how knowledge of humidity can be used to predict the occurrence and intensity of precipitation in Eastern Uganda.

Item 4.

The Sun is the primary source of energy for the Earth. Solar radiation reaches the Earth's surface through the atmosphere in the form of shortwave radiation. As this radiation passes through the atmosphere, part of it is reflected, scattered, absorbed, and transmitted to the Earth's surface. The amount of solar radiation received varies from place to place depending on factors such as latitude, cloud cover, altitude, and atmospheric conditions.

Much of East Africa lies within the tropical zone and experiences relatively high levels of solar radiation throughout the year. This provides considerable potential for the development of solar energy as a clean and renewable source of power for homes, businesses, agricultural activities, and industries. Increasing the adoption of solar energy requires public awareness, stakeholder engagement, and an understanding of how solar energy can contribute to sustainable development.

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Aptech Africa Limited, a solar energy company headquartered in Kampala, Uganda, is planning a regional sensitization campaign to promote the sustainable use of solar energy across the East African Community (EAC). The company seeks expert guidance to help communities understand the science behind solar energy and the benefits of investing in solar technologies.

Task:

As a Geography student, prepare a report for Aptech Africa Limited explaining how solar radiation reaches and interacts with the Earth's atmosphere and surface, why much of East Africa receives intense solar radiation, and the measures that governments, communities, and private stakeholders can adopt to promote the sustainable use of solar energy in the region.