

273/1
GEOGRAPHY
Paper 1
Oct./Nov. 2024
2¾ hours



UGANDA NATIONAL EXAMINATIONS BOARD
Uganda Certificate of Education

GEOGRAPHY

Paper 1

2 hours 45 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 items in all.

You may use diagrams, where applicable, to illustrate your answers.

Any additional item(s) answered will not be scored.

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

SECTION A

Answer both items in this section.

Item 1: Map Skills

For this item use the EAST AFRICA 1:50,000 (UGANDA): NAKASONGOLA, map extract sheet 50/2 series Y732 Edition 1 – USD to respond to the tasks.

Nakasongola lying 1.2° North of equator has several places and features which can attract tourists if they are developed. These include natural landscapes, vegetation, climate and human culture. The climate is characterised by a long dry period and a short period of heavy rainfall. It has scanty shrub vegetation of savannah type.

An investor has got a license to carry out agriculture and ecotourism in the area. According to his business plan, he wants to establish a camp site on Kakondi hill and establish farms in Kakooge and Wabinyonyi sub-counties. Before construction work starts there is need to put in place a permanent and reliable source of water at the proposed camp site and also get reliable information about the agricultural potentials in the two sub-counties.

Accordingly, the investor has contracted an engineering company to lay a water pipeline from the water tank at Iralika (291471) to the proposed camp site at Kakondi hill peak (361450). To carry out the project effectively the engineers need to get full information about the relief of the area and the proposed pipe line movement.

Task:

- (a) Using an appropriate diagram;
 - (i) illustrate the relief of the area from the water tank (291471) to the proposed camp site at Kakondi hill peak (361450).
 - (ii) guide the engineers on the distance and the direction of the proposed camp site from the water tank.
- (b) Using information in the scenario about climate of the area and the map extract, advise the investor on the most suitable agricultural activities to carry out in Kakooge and Wabinyonyi sub-counties.

Item 2: Photograph Skills

During the recent airborne surveys carried out by Ministry of Energy and Mineral Development, large deposits of iron ore were discovered in the area shown in the photograph. The local community received the news of the mineral discovery with great happiness and celebration. They expected that they would be given first priority to mine the iron ore using simple artisan methods. They thought that mining would supplement their incomes from peasant agriculture.

However, the Ministry has a plan to lease the mineral deposits to **two** foreign companies which have the experience in commercial mining and mineral processing. This is aimed at ensuring that mining in the area promotes both local and national development. During a consultative meeting with the people from the Ministry in which you participated, members of your community expressed their worry that large-scale mining and mineral processing by foreign companies might not benefit the area, but instead cause several losses.



Task:

- (a)
 - (i) Draw a sketch of the area shown in the photograph provided.
 - (ii) Using the photograph provided, explain to the Ministry officials evidence of the losses the local community fear to incur and suggest measures that should be taken to ensure that the local communities get long-term benefits from the mining.
- (b) Advise the community members on the need to accept the Ministry's plan of leasing the mineral deposits to the foreign mining companies.

SECTION B
Part I

Answer only one item from this part.

Item 3

A community group to which you belong organised a tour of an ancient settlement with remains of old buildings, tools and rock materials. You were identified as a team leader and your role included explaining to the team members the different things you saw during the tour.

In one of the rooms at the ancient settlement was a collection of stones that ancient people used. Two of these stones, one was glassy and another sponge-like in appearance attracted the interests of your team members and they requested you to give more information about them.

Task:

- (a) Name and describe the process of formation of the two types of rocks you saw.
- (b) Explain how the formation of those rocks can affect human activities.

Item 4

A severe rain storm is forecasted to hit East Africa between latitudes 5°N and 5°S . It is expected to cause disasters like severe landslides and flooding. The International Federation of the Red Cross and Red Crescent (IFRC) is preparing to sound an early warning to the people living in the area that are most likely to suffer the effects of the disasters.

The IFRC has contacted you to provide information that they will use for the early warning. You are provided with a map of East Africa in Fig. 1 to prepare the required information.

Turn Over

Map of East Africa

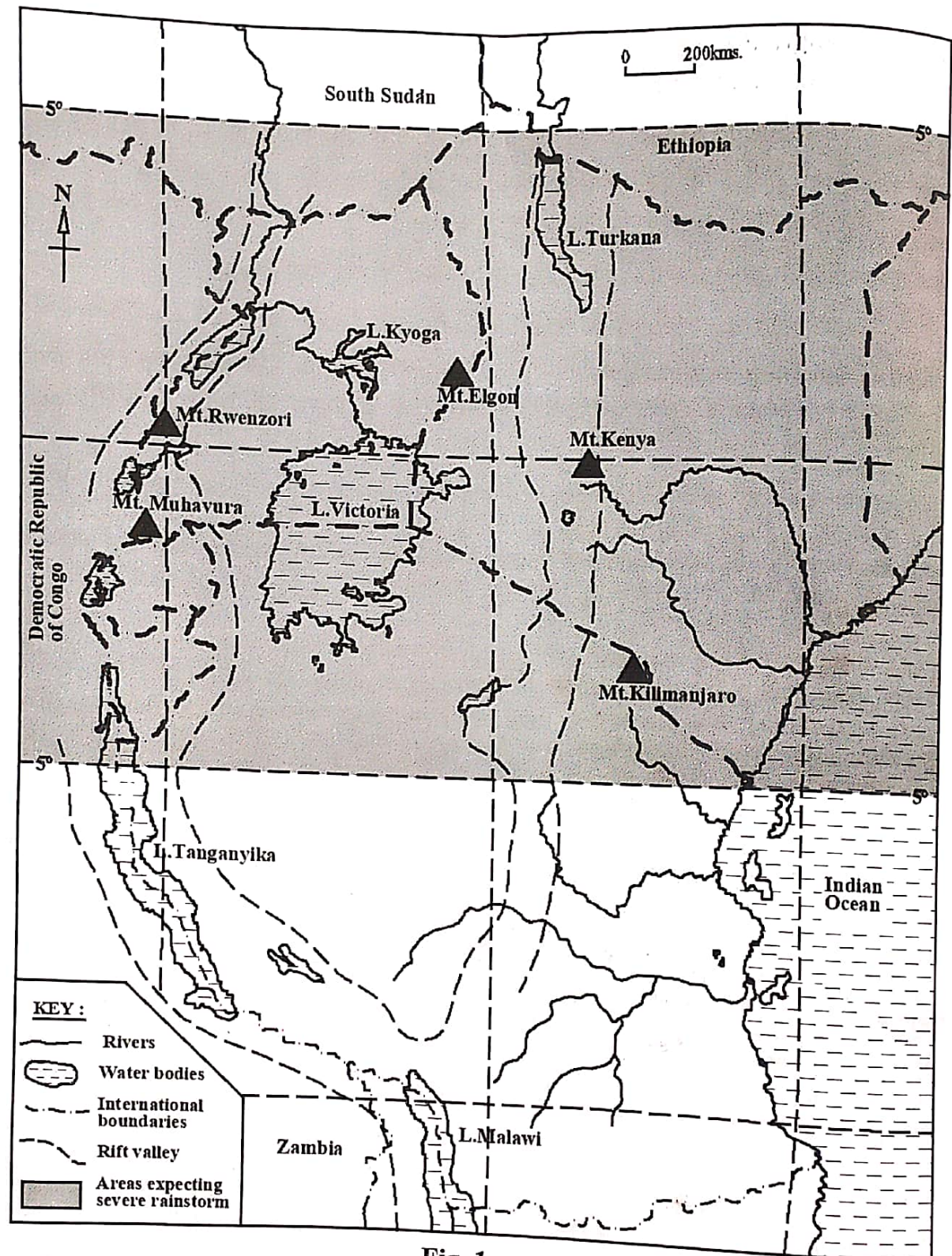


Fig. 1

Task:

From the map:

- (a) Identify the areas of East Africa that are likely to suffer the most severe effects of the expected floods and landslides.
- (b) Recommend to the IFRC the most suitable areas for resettlement of the affected persons.

Part II

Answer one item from this part.

Item 5

While celebrating world population day, your cultural leader appealed to his subjects to bear more children and work hard to take care of them. He warned against the one-sided emphasis on family planning that married couples should bear fewer children. He gave examples of countries with high total population but also highly developed. Examples are China with 1,418,781,663, Nigeria 236,700,000; and Egypt 116,836,383 people. On the other hand, countries like Uganda with about 50,000,000 and Rwanda with just over 14,000,000 are being overshadowed by those highly populated countries in all areas of development. He continued to say that because of the benefits of large population even countries like China that for long restricted each married couple to produce one child, in 2015 abolished that "one child policy" and by 2021 allowed each married couple to produce up to three children.

His argument was not supported by some people, while others welcomed it. One university student gave out a worldometer density population figures of 2024 for the mentioned countries and the results were contradicting. Most of those highly developed countries had lower population densities compared to the less developed countries as shown in table 1.

Country	Population density
China	151
Nigeria	255
Egypt	117
Uganda	250
Rwanda	578

Table 1

These conflicting explanations caused some of the people to approach you to explain to them the relationship between population and development.

Task:

- (a)
 - (i) Explain the concepts presented in the scenario and reasons for the difference in the figures presented by the cultural leader and the university student.
 - (ii) Use a suitable statistical graph to represent the population density for the selected countries.
- (b) Explain the contribution of large population size to the development of any one country presented in the scenario and the table.

Item 6

African cities are the most rapidly growing cities in the world, they are the youngest and are changing very fast. This comes with serious economic, social and political effects on both urban and rural areas.

The trends in the expansion of African cities is in two ways; the first trend is that urban areas are expanding much faster than the urban population growth, and in the second trend, more people (at least 70% of which are youth) are migrating to urban centres. The African urban population growth trend between 2010 and 2023 is presented in table 2.

Year	Urban population
2010	408,600,000
2015	491,500,000
2020	587,700,000
2023	652,200,000

Table 2

Adapted: <https://www.woldometer.info>

Your district headquarters has been declared a City. The leadership of the district expects this to come with both positive and negative effects on not only the city but also rural areas and they are gathering information from your community about the likely effects of this city on the population and how best to address them. You have been invited to give your opinion to this team.

Task:

- (a)
 - (i) Calculate the percentage of African Urban Population growth between 2010 and 2023.
 - (ii) Using information in the table, draw an appropriate statistical diagram to describe the trend in African Urban Population growth between 2010 and 2023.
- (b) Explain to the city leadership the methods that can be used to address the negative effects of this city on both rural and urban areas.