

**P250/1**  
**GEOGRAPHY**  
**(Physical Geography)**

**Paper 1**

2022

3 hours



**MATIGO MOCK EXAMINATIONS 2022**

**UGANDA ADVANCED CERTIFICATE OF EDUCATION**

**GEOGRAPHY**  
**(PHYSICAL GEOGRAPHY)**

**Paper 1**

3 hours

***INSTRUCTIONS TO CANDIDATES:***

*This paper consist of three questions **A**, **B** and **C***

*Answer **four** questions*

*Section **A** is **compulsory***

*Answer **one** question from section **B** and **one** question from section **C**.*

*Credit will be given for use of relevant sketch maps, diagrams and specific examples studied in the field.*

*Any additional question (s) attempted will **not** be marked.*

## SECTION A

*Questions 1 and 2 are compulsory*

### COMPULSORY MAP WORK QUESTION

1. Study the **1: 50,000 (Uganda) Kisoro map** extract, part of sheet 93/3, series Y732, Edition 4-U.S.D and answer the questions that follow:
  - a. i) State the grid reference of the secondary trigonometrical station at Nyarurembo. (1 mark)
  - ii) Identify the physical feature found at grid reference 006505. (1 mark)
  - b. Calculate the:-
    - i. Height of Ruko hill grid square 9460. (2 marks)
    - ii. Gradient of the area between Nkanda grid refernec 960510 and the school at Nyarurembo grid reference 002553. (2 marks)
    - iii. Area covered by Gahinga game reserve. (2 marks)
  - c. i) Reduce the area shown on the map extract by  $\frac{1}{3}$  and draw its outline  
On the outline drawn, mark and name ;
    - Two physiographic regions.
    - Rivers Ntebeko and Nyamulukara
    - Two modes of transport routes.
    - Kisoro town. (11 marks)
  - ii) Calculate the new scale of the reduced map. (2 marks)
  - d. Describe the relationship between relief and land use in the area shown on the map extract. (4 marks)

## COMPULSORY PHOTOGRAPHIC INTERPRETATION QUESTION

2. Study the photograph provided below and answer the questions that follow;



- a) Draw a landscape sketch of the photograph and on it, mark and label:
- Two relief features.
  - Two drainage features.
  - Two vegetation types. (9 marks)
- b) Account for the formation of the drainage features shown in the photograph. (5 marks)
- c) Describe the;
- Benefits of the drainage features. (4 marks)
  - Problems faced by people living in the area shown in the photograph. (5 marks)
- d) Giving reasons for your answer, suggest an area in East Africa where the photograph could have been taken. (2 marks)

## SECTION B

*Answer **one** question from this section.*

3. Explain the influence of faulting on drainage in East Africa. (25 marks)
4. With reference to any one mountain in East Africa, describe the influence of glacial erosion processes on the development of landforms. (25 marks)
5. a) What is meant by Eustatic changes? (5 marks)  
b) Explain the causes and effects of positive eustatic changes in East Africa. (20 marks)

## SECTION C

*Answer **one** question from this section*

6. a) Differentiate between **fog** and **hail**. (10 marks)  
b) Describe the conditions responsible for the formation of fog. (15 marks)
7. Examine the factors responsible for the growth of temperate vegetation in East Africa. (25 marks)
8. To what extent are physical factors responsible for the occurrence of soil erosion in East Africa? (25 marks)

**END**