

**P250/1
PHYSICAL
GEOGRAPHY**

Paper 1
31 July 2018
3 hours



ENTEBBE JOINT EXAMINATION BUREAU

Uganda Advanced Certificate of Education

PHYSICAL GEOGRAPHY

Paper 1

3 hours

INSTRUCTIONS TO CANDIDATES:

*This paper consists of **three** Sections: **A**, **B** and **C**.*

*Attempt **four** questions.*

*Section **A** is compulsory.*

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

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

*Any extra question shall **not** be assessed.*

SECTION A:

Questions 1 and 2 are compulsory

MAPWORK — COMPULSORY QUESTION

1. Study the 1:50,000 (UGANDA) **MOROTO** map, part of the Sheet 27/3 and answer questions that follow.
 - (a)
 - (i) State the grid reference of trigonometrical station at Sogolomon hill.
(01 mark)
 - (ii) Identify the man-made feature found at grid reference **770779**.
(01 mark)
 - (b) Determine the:
 - (i) the amplitude of relief of the area shown on the map extract.
(02 marks)
 - (ii) bearing of pupu trigonometrical station grid reference **807862** from moruarengan hill grid reference **835914**.
(02 marks)
 - (c) Enlarge the area shown on the map extract of Moroto between grid reference Eastings 82 and 86 Northings 77 and 81 by 2 times and on the new frame. Mark and label
 - (i) Two transport routes
 - (ii) Two physiographic features
 - (iii) Rivers *Kasimeri* and *Nadiket*
 - (iv) Moroto town
 - (v) Subcounty boundary.
(10 marks)
 - (d)
 - (i) Describe the relief of the area shown on the map extract of Moroto.
(05 marks)
 - (ii) Explain the relationship between relief and transport and communication in the area shown on the map.
(04 marks)

COMPULSORY QUESTION:

PHOTOGRAPH INTERPRETATION (25 MARKS)



2. (a) Draw a landscape sketch of the photograph and on it mark and label
- (i) two relief features
 - (ii) drainage features
 - (iii) two vegetation types
 - (iv) land use patterns
- (07 marks)*
- (b) Describe the processes that led to the formation of the drainage features in the middle ground. *(08 marks)*
- (c) Explain the relationship between relief and land use types in the photograph. *(04 marks)*
- (d) Assess the significance of the drainage features to the economic development of the surrounding area. *(04 marks)*
- (e) Giving reasons for your answer, identify an area in East Africa where this photograph could have been taken. *(02 marks)*

SECTION B

3. (a) Distinguish between **acidic lava** and **basic lava**. *(06 marks)*
- (b) Describe the development of relief landforms resulting from acidic lava in East Africa. *(19 marks)*
4. With references to any **one** highland in East Africa, discuss the causes and effects of landslides. *(25 marks)*
5. (a) Distinguish between **plunging waves** and **spilling waves**. *(06 marks)*
- (b) Describe the landforms resulting from plunging waves. *(19 marks)*

SECTION C

6. (a) Describe the characteristics of the semi arid type of climate. *(10 marks)*
- (b) Explain the factors which led to the occurrences of semi-arid climate in East Africa. *(15 marks)*
7. Account for the distribution of natural forest vegetation in East Africa. *(25 marks)*
8. To what extent has lithology influenced soil formation in East Africa? *(25 marks)*