

P250/1
PHYSICAL
GEOGRAPHY
Paper 1
6 August 2024
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 EAST AFRICA, 1:50,000 (UGANDA) **BUDADIRI** map extract, part of the Sheet 54/4, (Kenya Sheet 74W/4) Series Y732, edition 2 – U.S.D provided and answer questions that follow.
- (a) (i) Name the natural feature found at grid reference **570284**.
(01 mark)
- (ii) State the grid reference of the foot bridge near Bukalasi to the South East.
(01 mark)
- (b) Calculate the road distance in *kms* of the loose surface circular road from **Buwali** road junction (*GR 519119*) to **Buwangani**, (*GR 485114*)
- (i) following the road; (02 marks)
- (ii) in a straight line. (01 mark)
- (c) (i) Draw a cross section of the area along Northing 29 between Eastings 43 and 51, and on it mark and label;
- a spur
 - broad valleys
 - narrow valley
 - steep slopes
 - river Sanol
 - a loose surface road
- (10 marks)
- (ii) Calculate the horizontal equivalent of the cross-section drawn in (c) (i) above. (02 marks)
- (d) Giving evidence from the map extract,
- (i) comment on the population distribution in the area. (04 marks)
- (ii) identify the major economic activities taking place in the area.
(02 marks)
- (iii) suggest the importance of Mountain Elgon forest reserve to the economy. (02 marks)

COMPULSORY QUESTION: PHOTOGRAPH INTERPRETATION

- 2.** Study the photograph provided and answer questions that follow.



- (a) Draw a sketch diagram of the area shown on the photograph and on it mark and label
- (i) land forms
 - a ridged island
 - a col/saddle
 - narrow valleys
 - concave slopes
 - (ii) any vegetation cover
 - (iii) **two** land uses (10 marks)
- (b) Account for the formation of either a ridged island or narrow valleys marked and labelled in (a) (ii) above. (06 marks)
- (c) With evidence from the photograph, show that the land use activities in the area were planned. (06 marks)
- (d) With reasons, suggest any **one** area in East Africa where this photograph could have been taken. (03 marks)

SECTION B

*Answer **one** question from this Section*

3. Giving specific examples, explain the factors that influence the rate and character of chemical weathering in East Africa. (25 marks)
4. (a) Using specific examples, account for the formation of meanders in East Africa. (15 marks)
- (b) Explain the economic significance of rocks to East Africa. (10 marks)
5. (a) With the help of diagrams, distinguish between a **cirque/corrie** and a **pyramidal peak**. (15 marks)
- (b) Using specific examples, explain the importance of glaciated mountains of East Africa to the people around. (10 marks)

SECTION C

*Answer **one** question from this Section*

6. (a) What is meant by the term **ocean currents**? (17 marks)
- (b) With reference to specific examples, explain the influence of ocean currents on the economic activities along the coastal regions of E. Africa. (08 marks)
7. With specific examples, account for the rapid decline of natural forest cover in East Africa. (25 marks)
8. (a) With reference to any **one** region in East Africa, explain the processes and rampant effects of soil erosion. (15 marks)
- (b) Explain the appropriate soil conservation measures in the region. (10 marks)