

P250/1

GEOGRAPHY

(Physical Geography)

Jul. Aug. 2024

PAPER 1

3 hours



NETWORK OF GEOGRAPHY TEACHERS ASSOCIATION

Uganda Advanced Certificate of Education

GEOGRAPHY

(PHYSICAL GEOGRAPHY)

Paper 1

3 hours

INSTRUCTIONS TO CANDIDATES:

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

*Answer **four** questions.*

*Section **A** is compulsory.*

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

Any additional question(s) answered will not be marked.

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

SECTION A

Questions 1 and 2 are compulsory

COMPULSORY MAPWORK QUESTION

1. Study the **1:50,000 EAST AFRICA (UGANDA) KAMPALA** map extract, part of sheet 71/1, Series Y732, Edition 3-U.S.D and answer the questions that follow;
 - (a) Determine the ;
 - (i) grid reference of the road junction East of Bunamwaya. (01 mark)
 - (ii) direction of Namalusu island from Muyenga high level reservoir (01 mark)
 - (b) Calculate the gradient of the area along Northing **30** from Easting **55** to Easting **66**. (02 marks)
 - (c) Reduce the area shown on the map extract by **30%** and draw its sketch map. On the sketch map drawn mark and name;
 - (i) Any **three** physiographic features,
 - (ii) Kampala built-up area,
 - (iii) Any **two** drainage features,
 - (iv) Any **two** transport routes (12 marks)
 - (d) Examine the factors that have influenced the various land-use activities shown on the map extract. (06 marks)
 - (e) Account for the formation of **Murchison bay** found in the South East of the map. (03 marks)

COMPULSORY: PHOTOGRAPH INTERPRETATION QUESTION

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



- (a) State any **two** characteristics of the photograph provided. (02 marks)
- (b) Draw a sketch of the area covered by the photograph and on it mark and label;
- (i) the following physiographic land forms;
 - Ridge,
 - Cliffs,
 - Low lands.
 - (ii) any two vegetation types.
 - (iii) two land-use types
 - (iv) a drainage feature. (11 marks)
- (c) Account for the formation of **either** the ridge **or** the low lands shown in the photograph. (05 marks)
- (d) Explain the challenges caused by the nature of the physical land scape shown in the photograph to the surrounding community. (05 marks)
- (e) Giving reasons for your answer, suggest any **one** area in East Africa where this photograph could have been taken. (02 marks)

SECTION B

Answer one question from this section.

3. (a) Examine the influence of **extrusive Volcanicity** on formation of **highlands** in East Africa. (15 marks)
(b) Giving specific examples, assess the importance of highland areas to the people of East Africa. (10 marks)
4. (a) Distinguish between **dendritic** and **radial** drainage patterns. (08 marks)
(b) Examine the influence of **rock structure** on the evolution of the different drainage patterns in East Africa. (17 marks)
5. (a) What is meant by the term **long-shore drift**? (05 marks)
(b) Examine the influence of **long-shore drift** on formation of the different types of beaches in East Africa. (20 marks)

SECTION C

Answer one question from this section

6. Examine the causes and effects of Equatorial type of climate in East Africa. (25 marks)
7. (a) Examine the influence of climatic factors on the growth and distribution of Savanna vegetation in East Africa. (15 marks)
(b) Account for the increasing degradation of Savanna – grassland vegetation in the different areas of East Africa. (10 marks)
8. (a) Distinguish between the **pedalfers** and **Pedocal**s (06 marks)
(b) To what extent is the formation of **Azonal soils** in the different areas of East Africa a result of the nature of the parent rock? (19 marks)

END