**P250/1**

**GEOGRAPHY**

**(Physical Geography)**

**Paper 1**

**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****.*
* *Use of relevant sketch maps, diagrams and specific examples will lead to award of credit.*

**Turn Over**

**SECTION A (COMPULSORY)**

1. Study the 1:50,000 **(UGANDA) MASINDI** map extract, part of the sheet 39/3, series Y732, Edition 1 U.S.D and answer the questions that follow.

(a) Identify the;

(i) man-made feature found at grid reference 462782. (01 mark)

(ii) the grid reference of the culvert found on rive Ibohe ins Southern part of Masindi. (01 mark)

(iii) Giving evidences for your answer, identify the vegetation types on the map.

(02 marks)

(b) Calculate the;

(i) area covered by Budongo forest reserve from Easting 47westwards.

(02 marks)

(ii) the height of Isagara hill. (02 marks)

(iii) Describe the trend of the loose surface road from the road junction at Ihungu to a road junction at Bujenje. (02 marks)

(c) State the hemisphere in which this area is found. (give a reason) (01 mark)

(d) Enlarge part of Masindi map extract between Easting 44 and 49 along northing 80 by scale factor 2 and on it mark and name;

(i) a hill

(ii) roads

(iii) river

(iv) forest

(v) settlement (05 marks)

(e) Calculate the new scale after enlargement. (02 marks)

(f) Giving evidence from the map extract, outline the functions of Masindi town.

(03 marks)

(g) (i) Identify the economic activities likely to be carried out on the area shown on the map. (02 marks)

(ii) Outline problems likely to be faced by people living in the area shown on the map. (02 marks)

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

1. Draw a sketch of the are shown on the photograph and on it mark and name

(i) any two vegetation types.

(ii) two physiographic regions

(iii) a settlement

(iv) a plantation (07 marks)

1. Account for the occurrence in the middle ground of the photograph.

(06 marks)

(c) Explain the effects of the occurrence to the people living in the area.

1. marks)

(d) Describe the steps being taken to control such occurrence in (b) above.

1. marks

(e) Giving reasons for your answer, name the area where the photograph could have been taken. (02 marks)

**SECTION B**

*Attempt* ***one*** *question from this section*

3. Explain the relevance of Wenger’s theory of continental drift to the understanding of the present day distribution of continents and ocean basins. (25 marks)

4. (a) Distinguish between organically formed and mechanically formed sedimentary rocks. (14 marks)

(b) Examine the influence of sedimentary rocks on human activities in East Africa.

(11 marks)

5. (a) Account for the limited occurrence of glaciers in East Africa. (10 marks)

(b) Explain the process leading to the formation of the following glacial features

(i) Cirque (05 marks)

(ii) Pyramidal peak (05 marks)

(iii) Hanging valley (05 marks)

**SECTION C**

*Attempt* ***one*** *question from this section*

6. (a) Differentiate between Orographic and Convectional rainfall. (10 marks)

(b) Explain the factors leading to the formation of conventional rainfall in East Africa. (15 marks)

7. Account for the occurrence of the Mionibo woodland type of vegetation in East Africa. (25 marks)

8. (a) Distinguish between a Soil Profile and Soil Catena. (12 marks)

(b) Explain the conditions which have influenced Soil Profile development in various parts of East Africa. (13 marks)

***END***