Answer four questions in all.

Section A is compulsory.

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

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

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

FORWARD SCANNED ANSWERS TO stahiza2020@gmail.com
SECTION A: MAP WORK AND PHOTOGRAPHIC INTERPRETATION

1. Study the 1:50,000 (UGANDA), NAMWENDWA Map extract; Series Y732, part of sheet, 62/2; Edition 1-U.S.D. and answer the following questions.

   (a) State the:
      (i) Grid reference of the dry weather road junction at Naigobia trading centre.  
          (1 mark)
      (ii) Man-made feature at grid reference 357997.  
          (1 mark)

   (b) (i) Calculate the amplitude of relief of the area west of easting 32 and south of northing 96.  
          (2 marks)
      (ii) Measure and state in km of the distance of the railway line from the level crossings of Nawanyago (grid reference 324011) to Busanda (grid reference 425013).  
          (1 mark)

   (c) (i) Draw a cross section of the area between Namwendwa secondary trigonometrical station (grid reference 301018) to Budhana swamp (grid reference 320930 and on it mark and name the following:
             • Hills
             • Swamp
             • Administrative boundary
             • Transport routes  
             (10 marks)
      (ii) Calculate the vertical exaggeration of the cross section.  
           (2 marks)

   (d) With evidence from the map extract, identify the economic activities carried out in the area.  
       (8 marks)
2. Study the photograph provided below and answer the questions that follow.

(a) (i) Giving reasons, state the type of photograph provided. (2 marks)
(ii) Draw a landscape sketch of the area shown in the photograph and mark and label the:
   - Dam
   - Power house
   - Transport route
   - Settlements
   - Industry
   - Direction of flow of the river (use arrows) (9 marks)

(b) Examine the physical factors that have favoured the construction of the dam. (6 marks)

(c) Explain the contribution of the dam to the development of the surrounding areas. (6 marks)

(d) Giving reasons for your answer, suggest an area in East Africa where the photograph could have been taken. (2 marks)

SECTION B:
3. (a) What is meant by a glacier?  (5 marks)
(b) Examine the formation of geomorphological features resulting from glacial erosion in some highland areas of East Africa.  (20 marks)

4. (a) Draw a sketch map of East Africa and on it mark and name:
(i) Graben lakes: Turkana, Albert and Tanganyika  
(ii) 2 composite volcanoes  (6 marks)
(b) Account for the formation of the composite volcanoes in 4 (a) above.  (19 marks)

5. Examine the factors that have led to the occurrence of landslides in highland areas of East Africa.  (25 marks)

SECTION C:

6. (a) What is meant by the following
(i) Anabatic winds  
(ii) Katabatic winds  (10 marks)
(b) Describe the weather conditions associated with the winds identified in 6 (a) above  (15 marks)

7. Examine the influence of Latitude on natural vegetation distribution in Africa  (25 marks)

8. Explain the causes and effects of soil erosion in the highland areas of East Africa.  (25 marks)

END