INSTRUCTIONS TO CANDIDATES:

(a) This paper consists of two sections A and B.

(b) Answer ALL questions in Section A. In section B answer question 6 (Compulsory) and any other two questions.

(c) All answers must be written in the answer booklet provided.
SECTION A

Answer ALL Questions in this section.

(a) Define Geography. (2mks)
(b) Explain the relationship between Geography and Biology. (2mks)
(a) Differentiate between Mass Wasting and Mass Movement. (2mks)
(b) Outline four factors that cause soil creep to occur. (2mks)
(a) Name two Fold Mountains formed during Alpine Orogeny. (2mks)
(b) State three theories which explain the formation of Fold Mountains. (3mks)

Explain what you understand by each of the following:

(a) Vertical Movement. (2mks)
(b) Isostatic Adjustment (2mks)
(a) State three characteristics of the Crust. (3mks)
(b) State three factors considered for positioning rain gauge. (3mks)

SECTION B

Answer question 6 and any other two questions in this section

Study the map of Nyahururu (10:50,000) provided and answer the following questions.

(a) (i) Measure the length of the dry weather road from Marmanet Saw Mills, grid reference 054143 to the junction at Karima Shopping Centre grid reference 033099 in kilometres. (2mks)
(ii) Calculate the gradient of the slope between point A grid reference 940021 and point B at grid reference 985021. (2mks)

(b) (i) Name drainage features found in the area covered by the map. (3mks)
(ii) List features found in the Southern part of the map indicating the area receives low rainfall. (3mks)

(c) Describe the relief of the area covered by the map. (3mks)
(d) Give three natural factors discouraging settlements. (3mks)
(e) (i) Name factors favouring location of Nyahururu town. (6mks)
(ii) State two social functions of the town. (3mks)
7. (a) (i) Differentiate between minerals and rocks.  
(ii) State characteristics of sedimentary rocks.  

(b) Classify rocks according to form and origin giving **two** examples in each.  
(c) Explain formation of following examples of rocks.  
   (i) Tuff  
   (ii) Coral rocks  

(d) State use of equipment listed below in Field work.  
   (i) Geological hammer.  
   (ii) Lenses  
   (iii) Hydrochloric acid.  

8. (a) (i) Name **three** hot deserts.  
   (ii) State **two** characteristics of arid lands.  

(b) Describe the formation of the following features:-  
   (i) Rock pedestals  
   (ii) Yardang  

(c) Name **three** resultant features of action of water in deserts.  

(d) (i) Name **three** processes of wind transport.  
   (ii) State advantages of using secondary sources of data.  
   (iii) List **four** evidences of desertification.  

9. (a) (i) What is a Fault?  
   (ii) Name the parts of a Fault.  

(b) (i) Name **two** resultant features of faulting.  
   (ii) Explain formation of Rift Valley by theory of artificial arching.  

(c) (i) Distinguish between Basic Lava and Acidic Lava.  
   (ii) State **four** characteristics of composite volcano.  
   (iii) State **four** positive influences of volcanicity.