NAME:……………………..………………………………INDEX NO:………………

SCHOOL………………………………………………………DATE:……………………

CANDIDATE'S SIGNATURE: ………………………………………………………………

312/1
GEOGRAPHY
PAPER 1
JUNE 2016
TIME: 2 ³/₄ HRS

CENTRAL YEARLY MEETING OF FRIENDS (CYMF) -2016
Kenya certificate of Secondary Education

312/1
GEOGRAPHY
PAPER 1

INSTRUCTIONS TO CANDIDATES
a) *This paper consists of **TWO** sections **A**, and **B***
b) *Answer all the questions in section A,*
c) *Answer question 6 and any other two questions from section B*
d) *Candidates should check the question paper to ascertain that all the pages are printed and that no questions are missing*
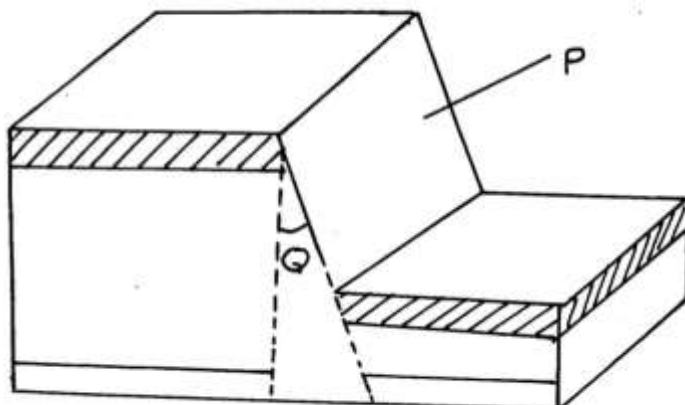e) *Candidates should answer the questions in English*

SECTION A				SECTION B	
1- 5	6	7	8	9	10

GRAND TOTAL

This paper consists of 4 printed pages. Candidate should check to ascertain that all pages are printed as indicated and that no questions are missing.

SECTION A(25MARKS)

1. (a)Give *two* reasons why the interior of the earth is hot   (2mks)
   (b) State three effects of the revolution of the earth   (3mks)
2. (a)What is a mineral?   (2mks)
   (b)state three characteristics of minerals   (3mks)
3. (a)The diagram below shows parts of a fault. Use it to answer the questions (a) and (b

(a) Name the parts labelled P and Q   (2mks)
(b) Give three examples from Kenya of the part labelled P   (3mks)
4. (a)List two processes of chemical weathering   (2mks)
   (b)Give three ways in which plants cause weathering   (3mks)
5. (a)Give two reasons why wind action is dominant in deserts   (2mks)
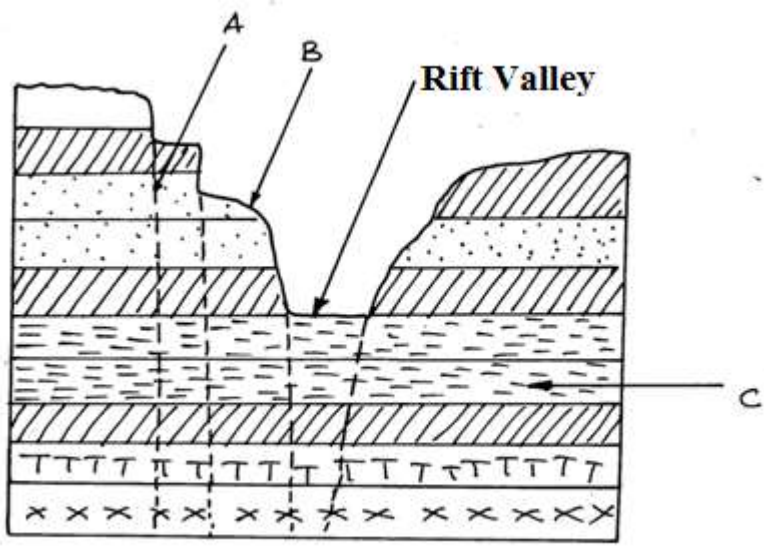   (b)State three characteristics of a barchan   (3mks)

SECTION B (75MARKS)

6. Study the map provided Busia 1:50000(sheet101/1)and answer the following questions.
   (a) (i) Give the six figure grid reference of the dam at Lubanga   (2mks)
      (ii) Calculate the area of land to the west of the international boundary in the area covered by the map   (2mks)
      (iii) Give the shortest distance of the all weather road loose surface C526 from junction of Odiado to the Eastern edge of the map   (2mks)

   (b) (i)Describe the drainage of the area covered by the map   (5mks)
      (ii)Identify three settlement patterns in the area covered by the map   (3mks)
   (c) State three economic activities carried out in the area covered by the map(3mks)
   (d) Using a vertical scale of 1cm to represent 100m,draw a 1 cross-section along northing 37 from Easting 28 to 33   (4mks)

(i) On it mark and name ;
- Riverine trees (1mk)
- Road (1mk)

(ii) Calculate vertical exaggeration for the cross-section (2mks)

7. (a) (i)A part from eluviation and illuvitaion list two other processes of soil formation (2mks)

(ii)Explain how the following processes of soil formation occurs

Eluviation (3mks)

Illuviation (3mks)

(b)(i)Give three factors that influence soil formation (3mks)

(ii)Explain three effects of soil erosion on water sources (6mks)

(iii)State four uses of soil (4mks)

(c) You are required to carry out field work within the local community
- (i) State how you would collect information in the field (2mks)
- (ii) List two characteristics of soils you would identify (2mks)

8. (a) (i)Name two examples of relief features found on the floor of the rift valley (2mks)

(ii)Using well labelled diagrams, describe stages involved in the formation of a fault mountain (8mks)

(b) (i)The diagram below represents a region that has undergone faulting. Name the features marked A,B and C (3mks)

(ii)State four characteristics of Lake formed by faulting   (4mks)
(c)Explain four effects of faulting to human activities   (8mks)

9. (a)(i)What is natural vegetation   (2mks)
(ii)Explain how altitude and winds influence the distribution of vegetation(8mks)
(b) In which major climatic regions of the world are the following types of vegetation
(i) Selvas   (1mks)
(ii) The maquis /chaparral   (1mks)
(iii)The pambas   (1mks)

(iv)The Taiga   (1mks)
(d) (i)State five characteristics of coniferous forests of the cold temperate climate
          (5mks)
(ii)Explain three ways in which the trees in these forests are adapted to the climatic conditions
          (6mks)
10a (i) What is a rock   (2mks)
(ii)Name two examples of plutonic rocks   (2mks)
B(i) State three characteristic of sedimentary rocks   (3mks)
(ii)Describe how mechanically formed sedimentary rocks are formed   (4mks)
(c) Explain four ways in which rocks contribute to the economy of Kenya (8mks)
(d) You carried out a field study on metamorphic rocks in the area around your school.
(i) Give two reasons why you might have conducted a reconnaissance for the study
          (2mks)
(ii) State four problems you might have encountered during the field study.   (4mks)