

312/1
GEOGRAPHY
PAPER 1
JULY / AUGUST 2013
TIME: 2¾ HOURS

NANDI SOUTH, NANDI EAST AND TINDIRET DISTRICTS JOINT EVALUATION TEST 2013

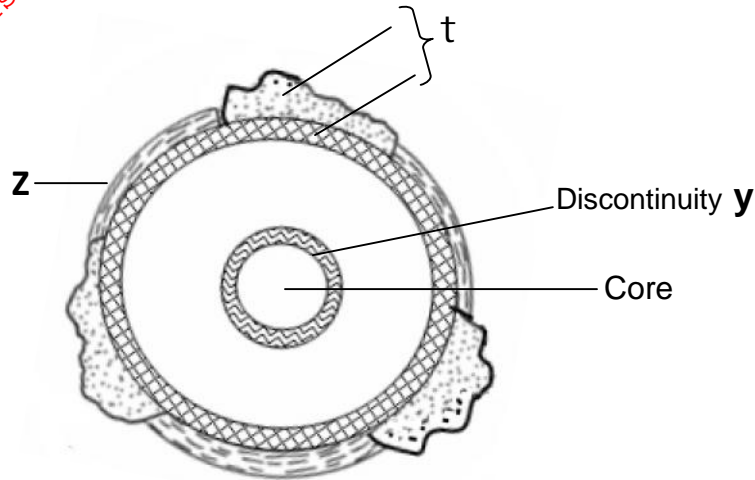
Kenya Certificate of Secondary Education (K.C.S.E.)
GEOGRAPHY
PAPER 1
TIME: 2¾ HOURS

INSTRUCTIONS TO CANDIDATES:

- (a) This paper has **two** sections **A** and **B**.
- (b) Answer **ALL** questions in Section **A**. In section **B** answer question **6** and any other **two questions**.
- (c) All answers must be written in the answer booklet provided.
- (d) Candidates to check the question paper to ascertain that all the pages are printed as indicated and that no questions are missing.

SECTION A
Answer ALL Questions.

1. (a) Apart from causing seasons. State **two** other effects of revolution of the earth round the sun. (2mks)
- (b) The diagram **below** shows internal structure of the earth. Name the parts marked **X, Y, Z**. (3mks)



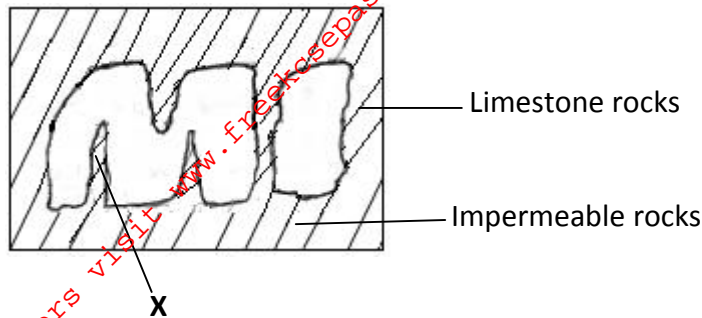
X:
Y:
Z:

2. (a) The table **below** shows some examples of metamorphic rocks. Complete the table. (3mks)

Original Rock	Metamorphic Rock
	Marble
Augite	
	Schist

- (b) Give **three** examples of rocks classified as intrusive plutonic rocks. (3mks)
3. Using one diagram, draw and label the following features of vulcanicity: (3mks)
- (i) Dyke
 - (ii) Batholith
 - (iii) Laccolith
- (b) Name **two** lava plateaus in Kenya. (2mks)
4. (a) State **three** characteristics of coniferous forest. (3mks)
- (b) Give the names of temperate grasslands in the following contours: (2mks)
- (i) U.S.A.
 - (ii) Eurasia
 - (iii) Australia
 - (iv) South Africa

5. The diagram **below** shows a limestone cave. Describe how feature X forms. (4mks)



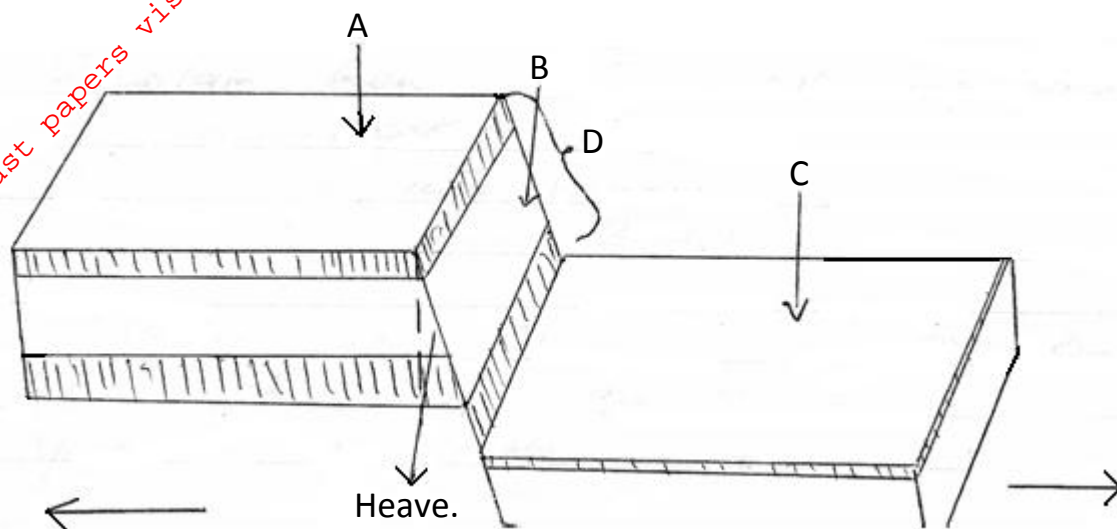
SECTION B

Answer question 6 and any other two questions in this section

6. (a) Study the map of Kitale (1:50,000) (sheet 75/3) provided and answer the following questions:
- What was magnetic variation when the map was prepared in 1960? (1mk)
 - Identify **two** counties represented by the area covered by the map. (2mks)
- (b) (i) Give the latitudinal extend of the area covered by the map. (2mks)
- (ii) Give the six figure, grid reference of trigonometric station 7586 west of Dafina Estate. (2mks)
- (c) (i) Find the distance of All weather loose surface road C641 from the junction in grid square 2413 to the junction in grid square 3121. Give your answer in km. (2mks)
- (ii) What is the area of Kitale Municipality in km²? (2mks)
- (e) Draw a rectangle 6cm by 4cm to represent the area enclosed by easting 34 and 40 and Northing 24 and 28. On the rectangle show: (2mks)
- Saiwa swamp (1mk)
 - Dry weather road (1mk)
 - River Kipolet (1mk)
 - Kipsoen Forest (1mk)
- (f) (i) Citing evidence, give **three** economic activities carried out in the area covered by the map. (3mks)
- (ii) Describe the relief of the area covered by the map. (5mks)
7. (a) Give **three** processes through which wind erodes the earth surface. (3mks)
- (b) Describe how the following features are formed:
- Rock pedestal. (5mks)
 - Barchan. (4mks)
 - Mesa and Butes (4mks)

- (c) Students carried out field study on desert land forms.
- State **three** objectives of their study. (3mks)
 - Give **two** methods they used to collect data. (2mks)
 - State **four** significance of desert landforms to human activities. (4mks)

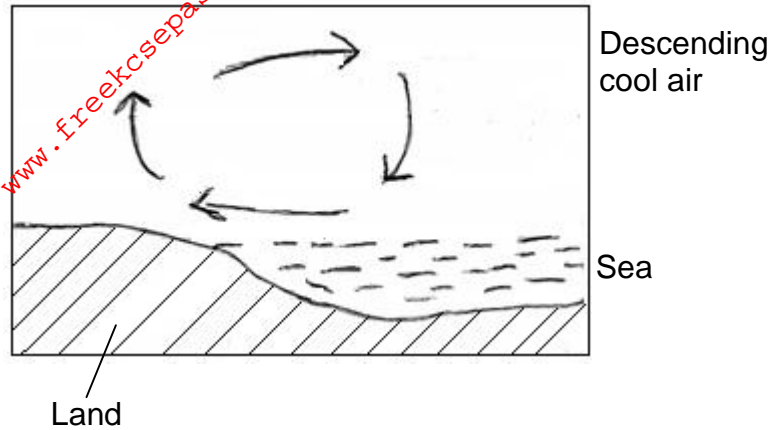
8. (a) The diagram below represents part of the earth affected by faulting. Name the sections marked A, B, C and D.



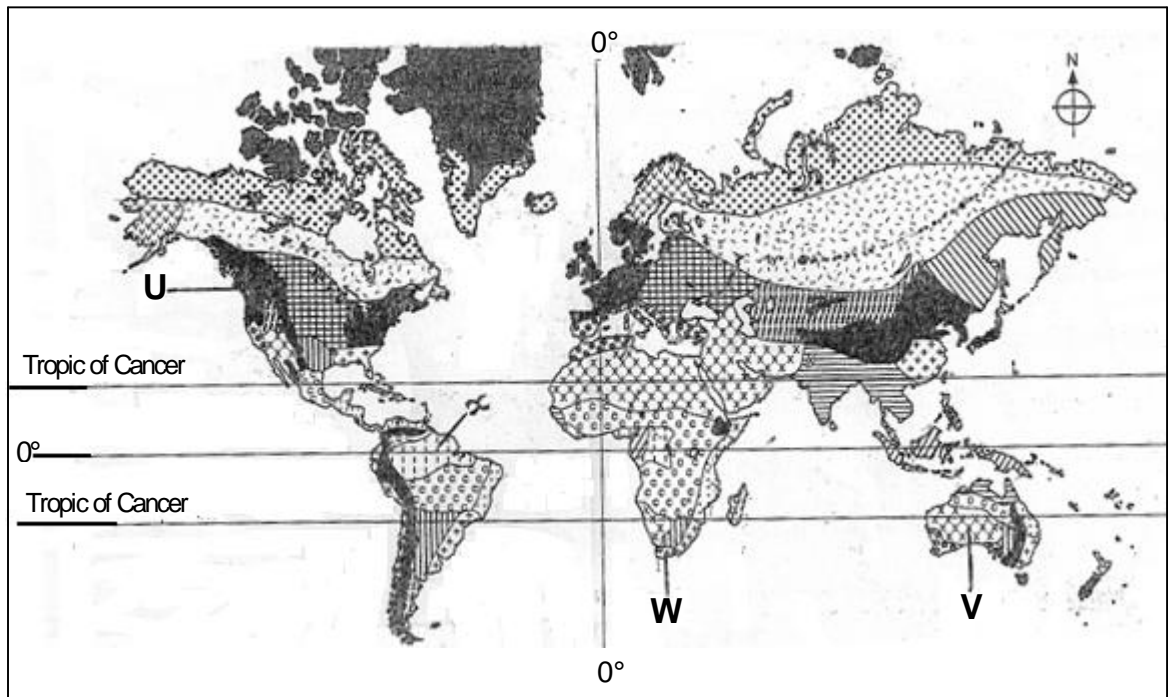
- With aid of labeled diagrams describe how a Rift Valley is formed by compressional forces. (6mks)
 - Name **four** features associated with Gregory Rift Valley. (4mks)
- (c) Name **three** Horst Mountains in East Africa. (3mks)
- (d) Explain **four** effects of faulting to physical environment. (8mks)

9. (a) Differentiate between Mass Wasting and Mass Movement. (2mks)
- (b) Explain **three** factors influencing Mass Wasting. (6mks)
- State **five** causes of soil creep. (5mks)
 - Explain how the following processes of mass wasting occur.
 - Slumping (3mks)
 - Rock fall (3mks)
- (d) Students are planning to carry out field study of an area affected by mass wasting.
- How did they prepare for the field study? (3mks)
 - Identify **three** problems they might have encountered? (3mks)

10. (a) The diagram **below** shows a local wind. Use it to answer questions that follow.



- (i) Name the type of local wind. (1mk)
(ii) Explain how the breeze develops. (3mks)
- (b) Describe the formation of relief rainfall. (6mks)
- (c) World map showing climatic regions. Use it to answer questions that follow:



- (i) Identify climatic regions marked **U**, **V** and **W**. (3mks)
(ii) Describe **three** characteristics of climate marked **X**. (6mks)
- (d) (i) What is Micro climate? (2mks)
(ii) State **four** effects of global warming on human activities. (4mks)