KENYA NATIONAL EXAMINATION COUNCIL
REVISION MOCK EXAMS 2016
TOP NATIONAL SCHOOLS

KABARAK HIGH SCHOOL

GEOGRAPHY

Paper 1

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KABARAK HIGH SCHOOL TRIAL AND PRACTICE EXAM 2016

312/1

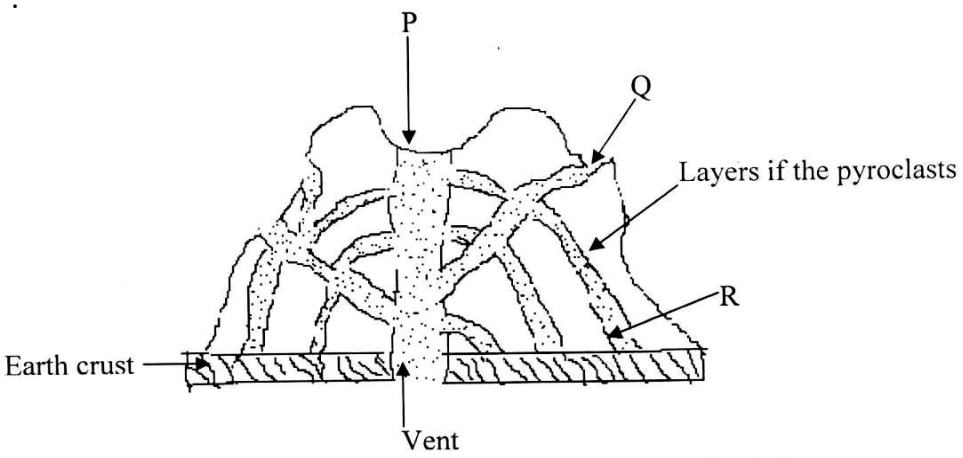
GEOGRAPHY

PAPER 1

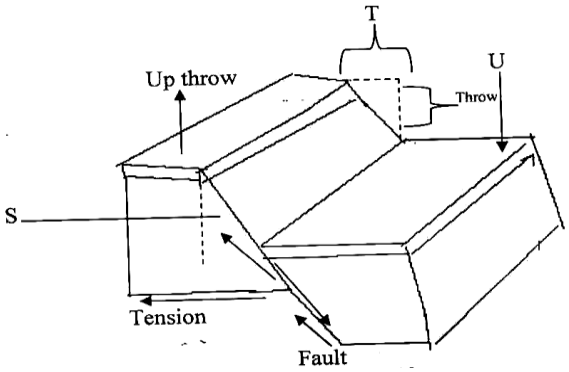
SECTION A

Answer ALL Questions.

1. (a) State **three** causes of volcanicity. (3mks)
   (b) The diagram below shows a composite volcano. Name the features marked P and Q (2mks)



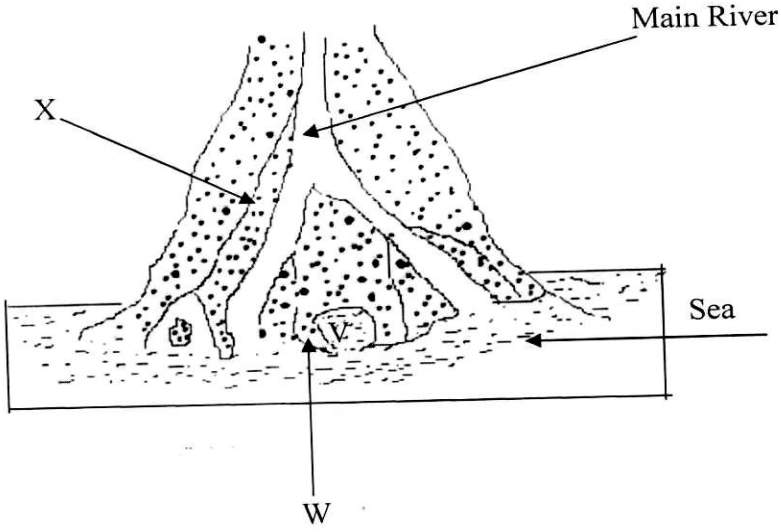
2. (a) Differentiate between weathering and mass wasting. (2mks)
   (b) State **three** physical factors that influence the rate of mass movement. (3mks)
3. (a) Differentiate between plutonic and volcanic rocks. (2mks)
   (b) Give an example in each of the following types of igneous rocks.
   (i) Plutonic (1mk)
   (ii) Hypabyssal (1mk)
   (iii) Volcanic (1mk)
4. (a) The diagram below shows the formation of features resulting from faulting. Name the parts marked S, T and U. (2mks)



   (b) Name **two** escarpments found within the Gregory rift system. (2mks)

5. (a) Define the term "Estuary." (2mks)
6.

(b) The diagram below shows a delta. Name the features marked V, W and X. (3mks)



SECTION B

Answer question 6 and any other two questions in this section

7. Study the map of Karatina (1:50,000) sheet 121/3 provided and answer the following questions.

(a) (i) Give the six figure grid reference for Rititi school. (1mk)

(ii) Convert the scale used in the map to a statement scale. (2mks)

(iii) Give the magnetic variation on the map. (1mk)

(b) (i) Using a vertical scale of 1cm represents 30m. Draw a cross section between grid references 860490 to 920490. On it name and mark the following:- (6mks)

- River
- Road
- Settlement

(ii) Name **two** districts on the area represented on the map. (2mks)

(iii) Citing evidence, give **three** economic activities carried out at S.E. of Karatina. (3mks)

(c) Describe the relief of the area covered by the map. (4mks)

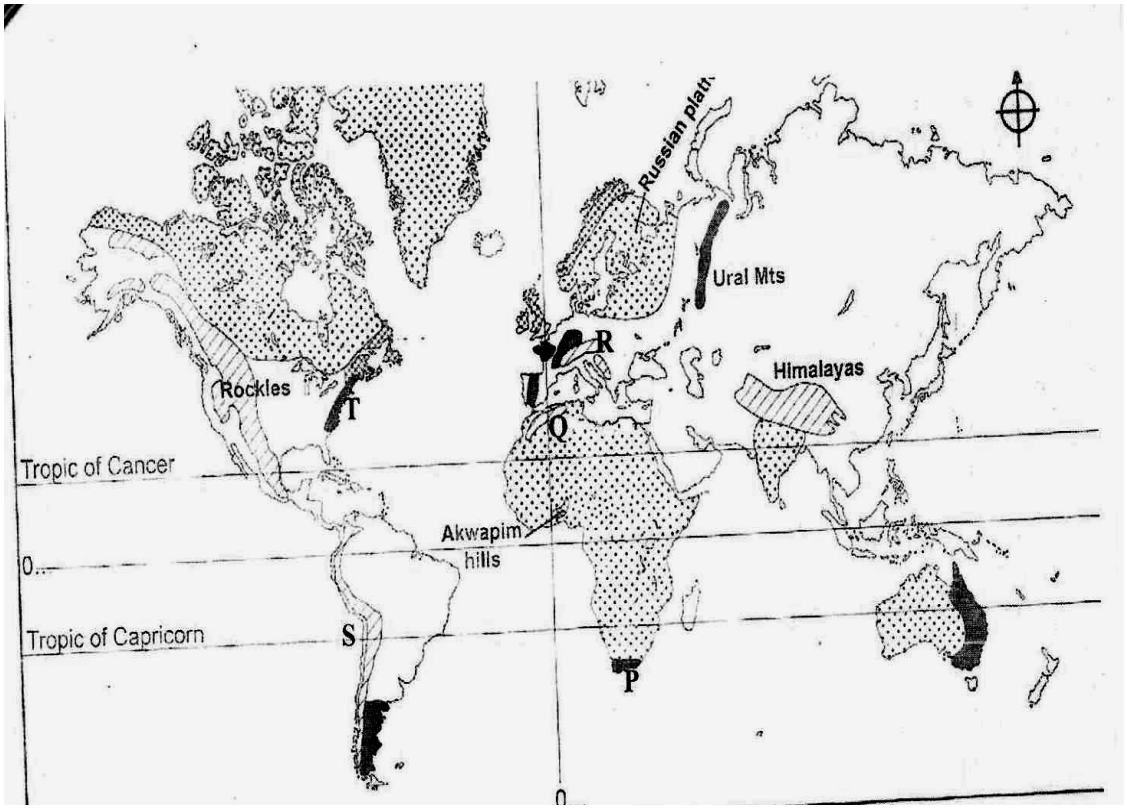
(d) Students of Gathambiro School (grid square 8857) carried out field study on the area covered by the map.

(i) Name **three** physical features they may have identified. (3mks)

(ii) State **three** follow up activities they might have done after the fieldwork. (3mks)

8. (a) What is folding? (2mks)

(b) The following map shows the location of fold mountain ranges of the world.



(i) Name the features marked P, Q, R, S and T. (5mks)

(ii) With the aid of a well labeled diagram, describe how a recumbent fold is formed. (6mks)

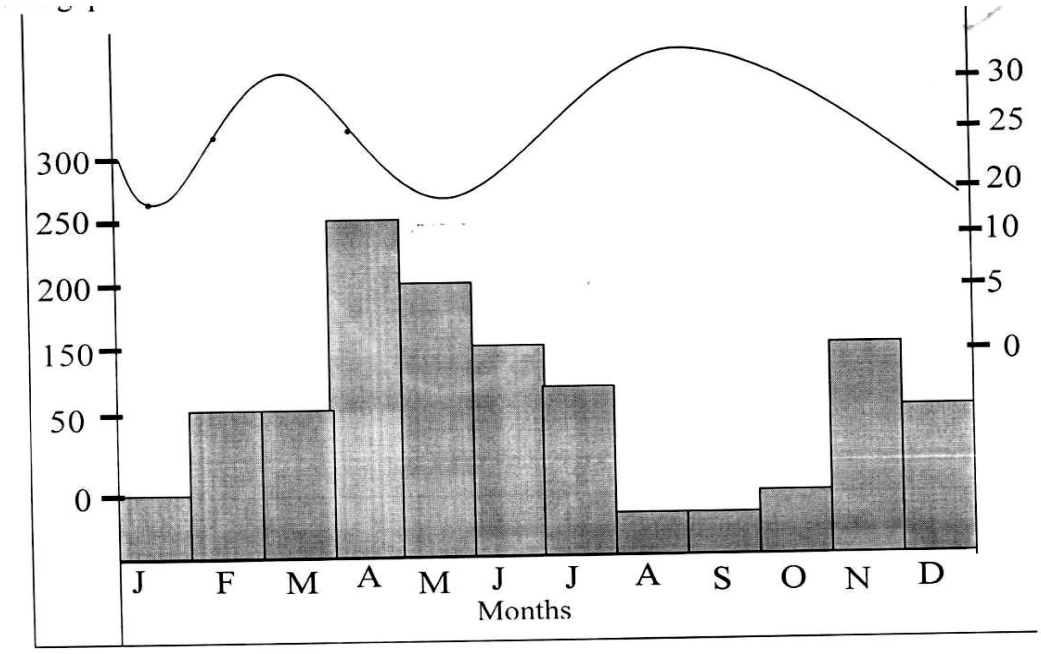
(c) Apart from Fold Mountains name other main lard forms resulting from folding.(4mks)

(d) Explain **four** ways in which Fold Mountains influences climate. (8mks)

9. (a) (i) What is an isothermal layer? (2mks)

(ii) Name **three** isothermal layers found in the atmosphere. 3mks

(b) The graph below shows climatic characteristics of a station in Kenya. Use to answer the following questions.



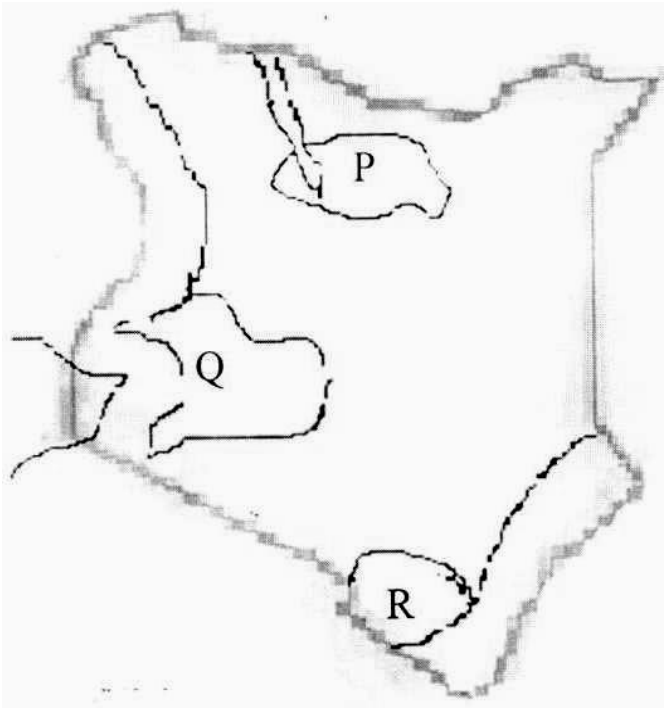
(i) Calculate the annual range of temperatures. (2mks)

(ii) Calculate the annual total amount of rainfall received at the station. (2mks)

(c) Describe **six** climatic conditions experienced in the Kenyan highlands. (6mks)

(d) (i) The map below shows the climatic regions of Kenya. Name the parts marked

Q and R. (2mks)



(ii) Give **four** development activities that the Kenyan government could initiate sustainably in the region marked P. (2mks)

(iii) Explain how the following factors influence the climate of a region:

i. Aspect (2mks)

ii. Ocean currents (2mks)'

10. (a) (i) What is a Lake? (2mks)

(ii) Name **two** examples of Lakes in Kenya formed by tectonic movement. (2mks)

(b) (i) With the aid of well labeled diagrams, describe how Lake Paradise in Kenya was formed? (6mks)

(ii) Name **two** examples of Lakes in Africa, outside the East Africa, that were formed in a similar way. (2mks)

(c) Explain **four** negative effects which human activities have on lakes. (8mks)

(d) Your Geography teacher has asked you to carry out a field study on the lake near your school.

(i) Formulate **two** hypothesis of the study. (2mks)

(ii) State any **three** methods you would use to collect the data. (3mks)

11. (a) (i) Name **three** erosional features in glaciated lowlands. (3mks)

(ii) Describe the process involved in the formation of a tarn. (5mks)

(b) State **three** conditions that may lead to glacial deposition in lowlands. (3mks)

(c) Explain **four** ways in which a glaciated landscape is of significance to human activities. (8mks)

(d) Suppose students were to carry out a field study on glaciations on Mt. Kenya:

(i) Give **two** reasons why they would need a route map. (2mks)

(ii) Name **two** types of moraines they are likely to study. (2mks)

(iii) State **two** problems they are likely to experience during the field study. (2mks)