

312/1
GEOGRAPHY
PAPER 1
JULY/AUGUST - 2014
TIME: 2 3/4 HOURS

MIGORI SUB-COUNTY JOINT EVALUATION EXAM

Kenya Certificate of Secondary Education (K.C.S.E.)

312/1
Geography
Paper 1
2 3/4 Hours

INSTRUCTIONS TO CANDIDATES

- This contains two sections **A** and **B**.
- Answer all questions in section **A**, In section **B** questions **6** and two other question.
- All answers must be written on booklet provided.

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

SECTION A

1. (a) Give **three** ways in which air pressure affected humidity. (3mks)
(b) State **two** factors that determined the amount of solar radiation reaching the earth (2mks)
2. (a) Study the world map below and answer the questions that follow .
(i) Name the fold mountain found in the area marked A, B and C (3mks)



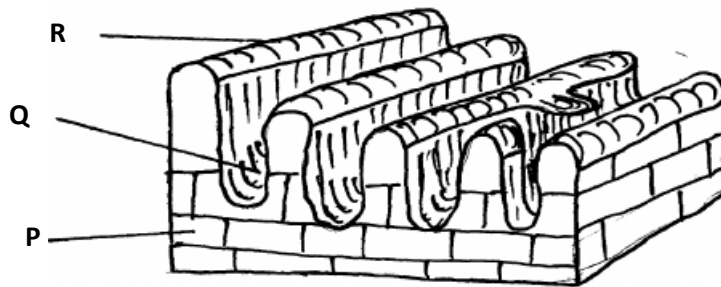
- (b) Give **two** negative effects of faulting (2mks)
3. (a) Name **three** transitional zones of the atmosphere. (3mks)
(b) Give **three** reasons why cloudy concentration is higher in the troposphere (3mks)
4. (a) What is mass wasting ? (2mks)
(b) State **three** factors influencing the nature and speed of mass wasting , (3mks)
5. (a) Name **two** currents in the Atlantic ocean. (2mks)
(b) State **three** factors that influencing ocean water temperature . (3mks)

SECTION B

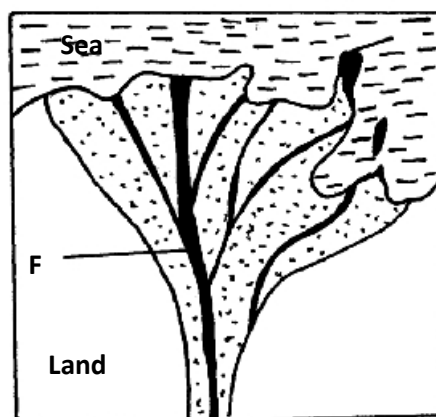
Answer question 6 and any other two questions from this section

6. Study the map of KARATINA 1:50 000(sheet $\frac{121}{3}$) provided and answer the following questions.
- (a) (i) Give the latitude and longitude of the south east corner of the map extract (2mks).
(ii) Convert the scale of the map into a statement scale. (2mks)
(iii) Identify **two** physical features found at Grid reference 0049. (2mks)
- (b) (i) Using a scale of 1cm rep 40meters , draw across- section along Easting so enclosed by northing 82 and 89 .(convert feet into meters)
(ii) Mark the indivisibility line and confirm whether the two points are indivisible (1mk)
- (c) (i) Citing evidence from the map state **five** factors that favour livestock keeping in karatina (5mks)
(ii) Describe the characteristics of the long –river profile of Rive Sagana. (6mks)

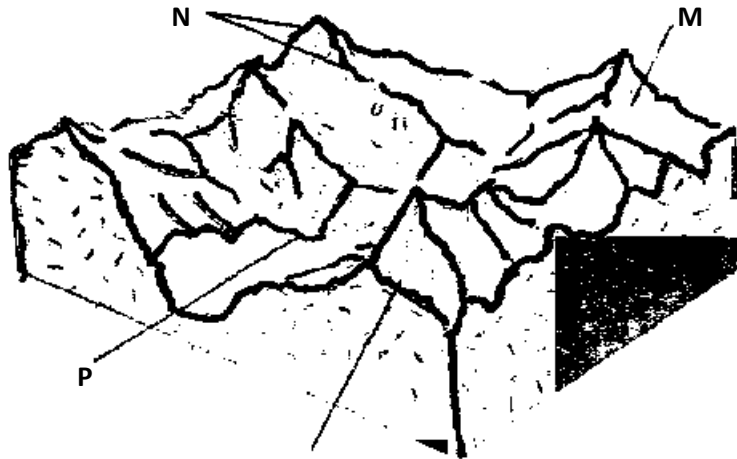
7. (a) (i) What is a mineral ? (2mks)
- (ii) Rocks can be classified according to mode of formation .Give the class to which each one of the following rocks belong.
- Marble
 - Basalt
 - Ironstone
- (b) (i) Explain how intrusive Igneous rocks are formed (5 mks)
- (ii) Describe why coral rocks are widespread at the coast
- (c) State four uses of soda ash (4mks)
- (d) Students from Kadika girls intend to carry out field study on rocks within the school's vicinity .
- Give **four** reasons why they should prepare objectives for their field study. (4mks)
 - List any **four** instruments they would require and show how they are likely to use them. (4mks)
8. The diagram below shows some surface features in a karst region .Use it to answer question (a) .



- Name the features marked P, Q and R (3mks)
 - Outline three factors that influence the development of Karst scenery (3mks)
 - Using suitable diagrams , describe how the following features which are found in limestone areas are found :
 - A swallow hole (5mks)
 - A doline (5mks)
 - Explain **three** ways in which limestone landscapes influence human activities (6mks)
 - Form **four** students of your school undertook field work on a karst landscape .
 - State **two** objectives of their study (2mks)
 - Give **one** reason why they needed to previsit the area . (1mks).
9. a) (i) Outline two factors that influence the development of damage pattern (2mks)
- (ii) Give three features of a river in its old stage (3mks)
- b) Briefly describe how the following factors influencing river erosion
- Gradient and velocity (2mks)
 - Nature and amount of the load (2mks)
 - Nature of the bed rock (2mks)
- c) The diagram below represents a depositional features of a river .Study it and answer the questions that below .



- i) Name the parts labeled E F and G in the diagram (3mks)
- ii) Give the example of the feature represented in the diagram in Kenya (1mk)
- iii) State three conditions necessary for the formation of the features shown in the diagram (3mks)
- d) Apart from providing water for domestic and industrial uses, highlight three other benefits of rivers in Kenya (3mks)
- e) Your class intends to conduct a field study on river deposition around your school
- (i) Name **one** stage along the profile of a river where your study conducted (1mk)
- (ii) State **two** methods you would like to collect data during the study. (2mks)
- (iii) Give **one** benefit of river deposition that you intend to verify during the study (1mk)
10. (a) (i) What is a glacier (1mk)
- (ii) Apart from our Kenya name other two areas where we have permanent Snow in East Africa (2mks)
- (b) The diagram below represents an upland glaciated landscape. use it to answer question b (i) and (ii)



- (i) Name features marked
- M (1mk)
 - N (1mk)
 - P (1mk)
- (ii) Describe how feature Marked P is formed (5mks)
- c) (i) Explain how movement of valley glacier is affected by the following features.
- Width of glacier channel. (2mks)
 - Size of glacier / thicker (2mks)
 - Temperature (2mks)
- (iii) Explain four positive effects of glacial features in upland to human activities. (8mks)