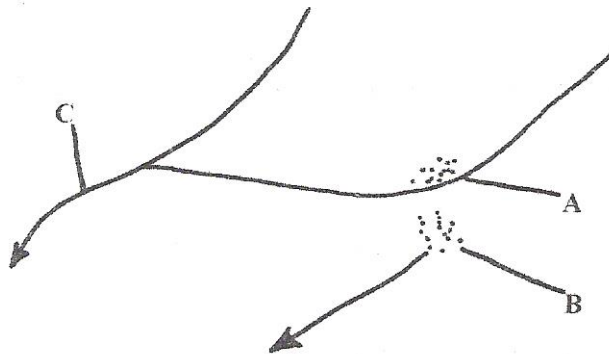


# KCSE PREDICTIONS 2020 GEOGRAPHY PAPER 1

## SECTION A

### Answer all questions in this section

1. a) Identify **Two** forces responsible for the spherical shape of the earth. (2 marks)  
b) Give **Three** reasons why the interior of the earth is still hot. (3 marks)
2. a) Outline **Two** characteristics of the troposphere. (3 marks)  
b) Apart from cloud cover, identify **Two** other factors which influence the amount of solar radiation received on the earth's surface. (2 marks)
3. a) What is river rejuvenation. (2 marks)  
b) The diagram below represents a river capture,



- Name the features marked A, B, C. (3 marks)
4. a) Name a place in Kenya where tarns are found. (1 mark)  
b) Describe how a tarn is formed. (4 marks)
  5. (a) Give **two** main zones of the atmosphere. (2 marks)  
(b) What is?
    - (i) Zero lapse rate. (2 marks)
    - (ii) Negative lapse rate. (2 marks)

## SECTION B:

### Answer question 6 any other two questions from this section.

6. Study the map of Migwani 1:50,000 (sheet 151/1) provided and answer the following questions.
  - (a) (i) What is the altitude of the lowest contour shown on the map? (1 mark)  
Give the **six-figure** grid reference of Mboni dam. (2 marks)
  - (iii) What is the length in Kilometres of the All Weather Road Bound Surface C94 from the junction with the Dry Weather Road D502 to Northing 84? (2 marks)

b) Draw a rectangle measuring 10 cm by 8 cm to represent the area enclosed by Eastings 90 and 00 and Northings 62 and 70. (1 mark)

On the rectangle, mark and name the following features:

(i) Musengo school

(ii) Road E742

(iii) Kitui Hills (3 marks)

(c) (i) Citing evidence from the map, identify **four** social services offered in Mutitu (Ndooa) township. (4 marks)

(ii) Describe the relief of the area covered by the map. (6 marks)

(d) Describe the characteristics of the long profile of river Ikoo. (6 marks)

7. a) State **three** characteristics of the inter-tropical convergence zone (ITCZ). (3 marks)

b) With the aid of a well labeled diagram describe how relief rainfall is formed. (6 marks)

c) State **five** characteristics of the hot desert climate. (5 marks)

d) You are required to carry out a field study to determine the relationship between climate and vegetation in your district.

i) Give **three** reasons why you would need the map of the district. (3 marks)

ii) Name **two** sampling techniques you are likely to use during the field study. (2 marks)

iii) Give **two** reasons why sampling would be appropriate for this field study. (2 marks)

iv) State **four** methods you would use to record data during the field study. (4 marks)

8. a) (i) What is a lake? (2 marks)

(ii) State **three** factors that determine the permanency of a lake. (3 marks)

b) Describe how Lake Kanyaboli was formed. (6 marks)

c) Explain **four** causes of salinity of lake Magadi. (8 marks)

d) Explain **three** negative effects of lakes on human activities. (6 marks)

9. (a) State **four** causes of mechanical weathering. (4 marks)

(b) (i) Describe the carbonation process of chemical weathering. (3 marks)

(ii) Name **two** rocks that can be weathered through the carbonation process. (2 marks)

(iii) Name **two** features that can be formed on the earth's surface as the carbonation process of weathering takes place. (2 marks)

(c) (i) What is an exfoliation dome? (1 mark)

(ii) Describe how an exfoliation dome is formed. (3 marks)

(d) Explain **three** ways in which weathering positively influence man's activities and **two** negative effects of weathering. (10 marks)

10. (a) What is the difference between faulting and folding? (2 marks)

(b) Name

(i) **Two** types of faults.

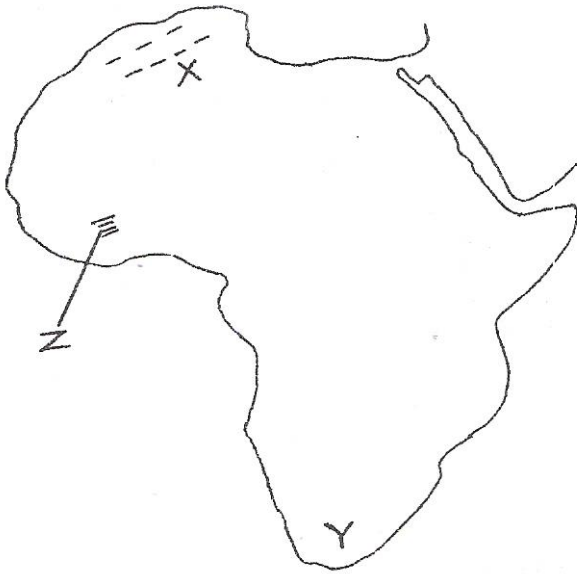
(2 marks)

(ii) **Three** types of folds.

(3 marks)

On the outline map of Africa provided name the fold mountains marked X, Y, Z

(3 marks)



(c) With the aid of well labeled diagrams, **describe** the formation of Fold Mountains.

(10 marks)

(d) (i) What is the name given to the period of mountain building?

(1 mark)

(ii) Identify **four** main mountain building periods ever known in history.

(4 marks)

