

KENYA NATIONAL EXAMINATION COUNCIL

KCSE 2009

GEOGRAPHY

PAPER 1

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Schools Net Kenya Consultancy

P.O. Box 8076 – 00200 Nairobi, Kenya | Tel: +254202319748

E-mail: infosnkenya@gmail.com | www.schoolsnetkenya.com

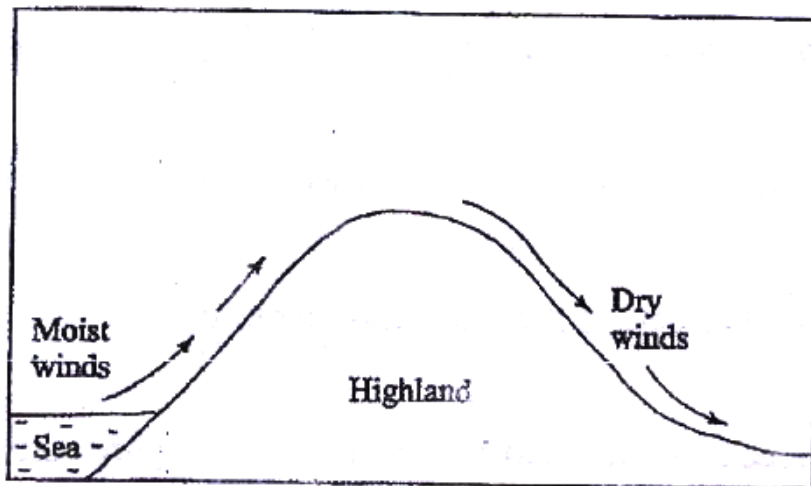
SECTION A

Answer ALL the questions in this section

1. (a) Differentiate between the processes of the formation of plutonic rocks and volcanic rocks (2 mks)

(b) For each of the following sedimentary rocks, name the resultant rock that forms after metamorphism:

- (i) Sandstone
 - (ii) Limestone
 - (iii) Clay
2. Use the diagram below to answer the questions that follows



Outline the process through which the moist winds shown go through to eventually become dry winds (5 mks)

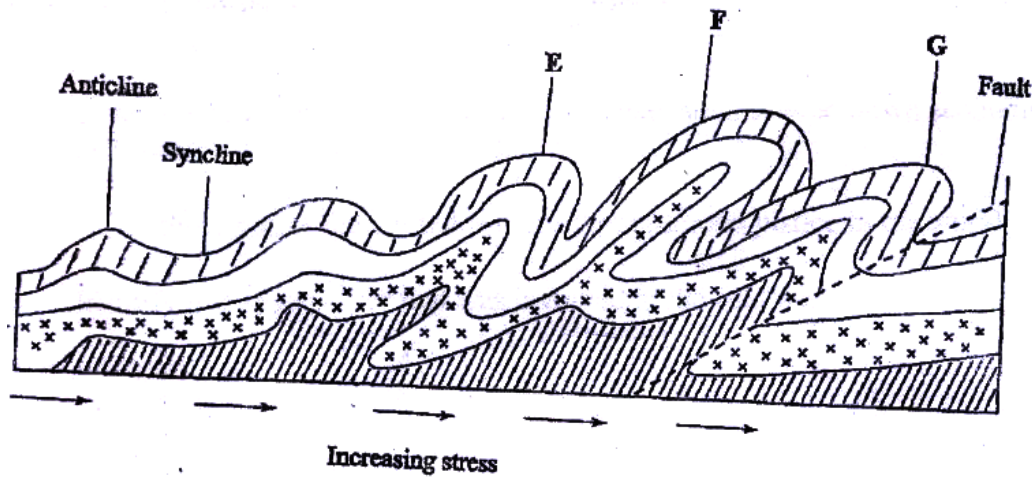
3. (a) What is a line of longitude? (2 mks)

(b) What is the local time at Alexandra 30°E when the local time at Malindi 40°E is 12.00 noon? (2 mks)

4. (a) Outline the steps followed when measuring humidity using a hygrometer (3 mks)

(b) Give two factors that influence relative humidity (2 mks)

5. The diagram below shows some types of folds. Use it to answer question (a)



(a) Name the type of folds marked E, F, and G (3 mks)

(b) In which countries are the following fold mountains found?

(i) Andes (1 mk)

(ii) Cape Ranges (1 mk)

(iii) Alps (1 mk)

6. The diagram below shows a hydrological cycle.

(a) (i) What do the arrows labeled K, L, and M on the cycle represent?

(3 mks)

(ii) Explain three factors that influence the occurrence of surface run- off

(6 mks)

(b) (i) What is mass wasting?

(2 mks)

(ii) Give two processes of slow mass movement

(2 mks)

(iii) State two physical conditions that may influence landslides

(2 mks)

(c) Describe the following processes of mass wasting

(i) Rock fall

(2 mks)

(ii) Subsidence

(2 mks)

(iii) Mud flows

(2 mks)

(d) Explain the effect of mass wasting on the following

(i) Tourism

(2 mks)

(ii) Soil fertility

(2 mks)

7. (a) (i) Name three types of faults

(3 mks)

(ii) Apart from compressional forces, explain two other processes that may cause faulting

(4 mks)

(b) With the aid of diagrams, describe how compressional forces may have led to the formation of the great rift valley (8 mks)

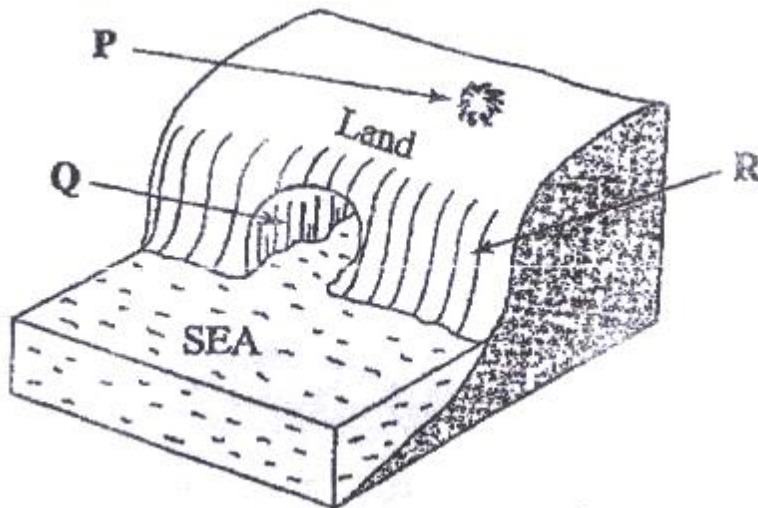
(c) Explain five ways in which faulting is of significance to human activities (10 mks)

8. (a) (i) Apart from Bird's Foot delta, name two other types of coastal deltas (2 mks)
- (ii) Draw a diagram to show a Bird's foot delta (3 mks)
- (iii) Describe how a Bird's Foot delta is formed (4 mks)

(b) Explain four factors that influence the development of coast (8 mks)

(c) (i) Differentiate between a barrier reef and a fringing reef? (2 mks)

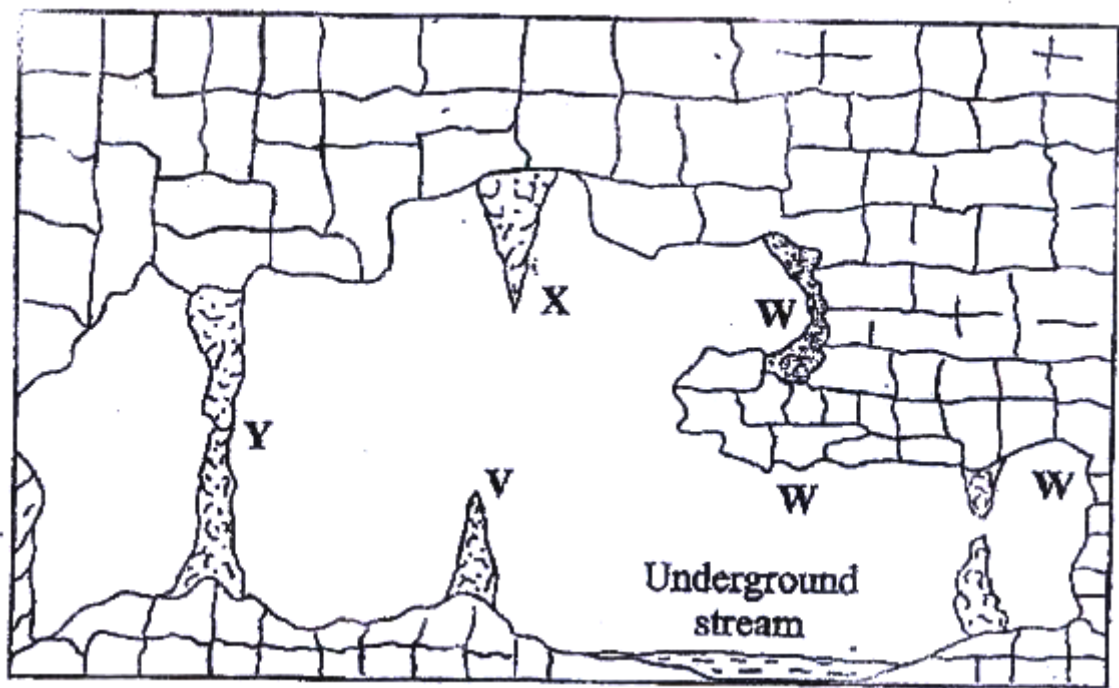
9. The diagram below represents some coastal features. Name the features marked P, Q and R (3 mks)



(iii) State three conditions necessary for the formation of a beach

(3 mks)

10. The diagram below represents underground features in a limestone area. Use it to answer question (a)



Name the features marked X, V and W

(3 mks)

(ii) Describe how the feature marked Y is formed

(6 mks)

(b) (i) What is an artesian basin?

(2 mks)

(ii) Explain three factors which influence the formation of features in limestone areas

(6 mks)

(c) You are supposed to carry out a field study of an area eroded by water

(i) Give three reasons why you would need a map of the area of study

(3 mks)

(ii) Name two erosional features you are likely to identify during the field study

(2 mks)

(iii) State three recommendations that you would make from your study to assist

the local community to rehabilitate the eroded area (3 mks)

ANSWERS:

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