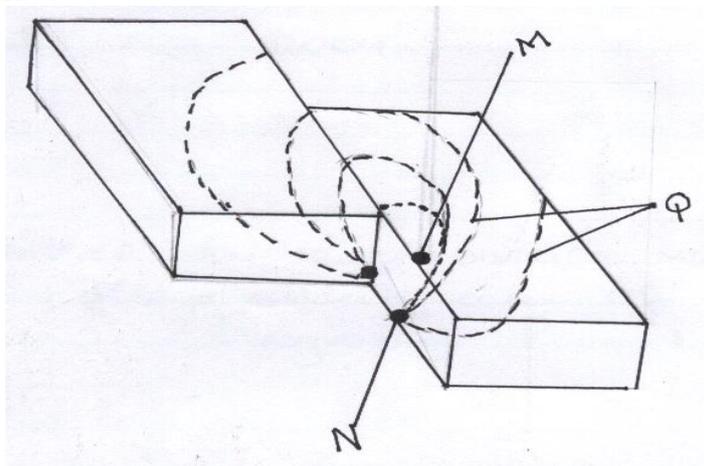


## JOINT INTERSCHOOLS EVALUATION TESTS JISSET 2009

### SECTION A (25MARKS)

1. (a) (i) **What** does the word “Geo” mean? (1mk)  
(ii) Give **any two** areas of great interest to a physical geographer. (2mks)
  - (b) (i) What is Rock? (1mk)  
(ii) List three sub-division of igneous rocks. (3mks)
2. The diagram below shows a section of the earth where an earthquake occurred. Use it to answer the question that follows.



Name the parts labeled (3mks)

M: .....

N: .....

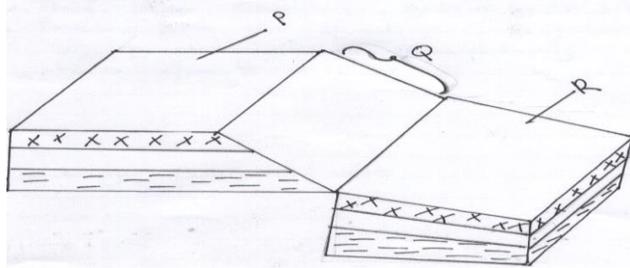
Q: .....

3. (a) The barysphere of the earth has high temperatures of about 5500<sup>0</sup>C. **Justify** the existence of this statement. (3mks)
  - (b) **State two** types of mass wasting giving an example for each type (4mks)
4. (a) **Name any two** processes through which river erosion occurs. (2mks)
  - (b) **List three** factors that can lead to reduction in a river’s competence and capacity to transport its load. (2mks)
5. With the help of a well labeled diagram, describe a soil catena. (4mks)

## SECTION B

6. **Study** the map of Kericho, 1:50,000 (sheet 117/4) provided and answer the following questions;
- (a) (i) **Identify two** social amenities within Kericho municipality. (2mks)  
 (ii) What is the direction of the factory along easting 61 from the trigonometric station 2173? (1mk)  
 (iii) **Give** the distance of dry weather road from grid reference 5460 to where it joins all weather road loose surface at grid reference 5168. (1mk)
- (b) (i) Using a vertical scale of 1cm represents 40m, **draw** a cross section from grid reference 620670 to grid reference 670640. (1mk)  
 (ii) On the cross section **mark** and **name**;  
 - All weather road bound surface to lumbwa. (1mk)  
 - River Kibiriswa valley. (1mk)  
 - Kisungu Tea eastate. (1mk)
- (iii) **Calculate** the vertical exaggeration for your cross section. (2mks)
- (c) (i) **Name two** methods used to represent relief of the area covered by the map. (1mk)  
 (ii) Briefly **describe** the relief of the area covered by the map. (2mks)
- (d) Apart from tea growing, name other three economic activities carried out in the area citing evidences from the map. (6mks)
- (e) Students from Kapsigirio School are required to carry out a field study on the types of the rocks within the area covered by the map. **State three** objectives of their study. (3mks)
7. (a) (i) **Distinguish** between mass-wasting and mass-movement. (2mks)  
 (ii) **Mention any two** examples of rapid mass-wasting (2mks)
- (b) **Explain three** factors that influence weathering. (6mks)  
 (c) **Explain three** processes involved in chemical weathering. (6mks)
- (d) Form four students in a school in North Eastern province are to carry out a field study on weathering in the province.  
 (i) **Mention three** reasons why they require a working schedule. (3mks)  
 (ii) **State three** physical weathering processes they are likely to study. (3mks)  
 (iii) **Name two** methods they would use to present their data. (2mks)
8. (a) **Define** the following  
 (i) Aridity. (2mks)  
 (ii) Wind. (2mks)
- (b) (i) List and briefly explain three ways in which wind erodes weathered materials in arid area. (6mks)  
 (ii) **Name five** features which develop under arid conditions as a result of wind erosion. (5mks)
- (c) **State four** factors which influence wind transportation in desert. (4mks)
- (d) (i) **Name any two** resultant features of water action in arid areas (2mks)  
 (ii) Illustrate the formation of a Wadi. (4mks)

9. (a) (i) **Mention two** types of earth movements. (2mks)  
 (ii) **Give any two** forces responsible for the above movements (2mks)  
 (b) Use the diagram below to answer the question that follows.



Name the parts marked;

(3mks)

P: .....

Q: .....

R: .....

- (c) Using a well labeled diagram **describe** how the Rift valley was formed through the theory of compression (6mks)  
 (d) **Explain** the following types fault;  
 (i) Normal fault. (2mks)  
 (ii) Reversed fault. (2mks)  
 (e) You intend to carry out a field study in the Rift valley on features resulting from faulting.  
 (i) What preparation are you to make before the study? (3mks)  
 (ii) **List four** features that you are likely to identify. (2mks)  
 (f) **State any three** significances of faulting to human activities. (3mks)
10. (a) (i) **State three** factors which affect the occurrence of underground water. (3mks)  
 (ii) **Outline three** conditions necessary for the occurrence of an artesian basin. (3mks)  
 (iii) Differentiate between a permanent well and an intermittent/seasonal well (4mks)
- (b) (i) **List three** surface features of the karst landscape. (3mks)  
 (ii) **Explain** the difference between stalactites and stalagmites as used in karst scenery. (4mks)  
 (iii) **State two** significances of underground water to man. (4mks)
- (c) Form four students from Mihu school set out for a field study on Karst scenery in Kilifi District. Why would it be necessary to carry out a pre-visit before the study? (4mks)