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**KENYA NATIONAL EXAMINATION COUNCIL**  
**REVISION MOCK EXAMS 2016**  
**TOP NATIONAL SCHOOLS**

**MANG’U HIGH SCHOOL**  
**GEOGRAPHY**  
**Paper 1**

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# MANGU HIGH SCHOOL TRIAL AND PRACTICE EXAM 2016

312/1

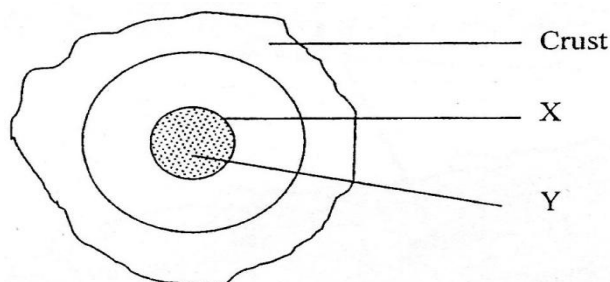
GEOGRAPHY

Paper 1

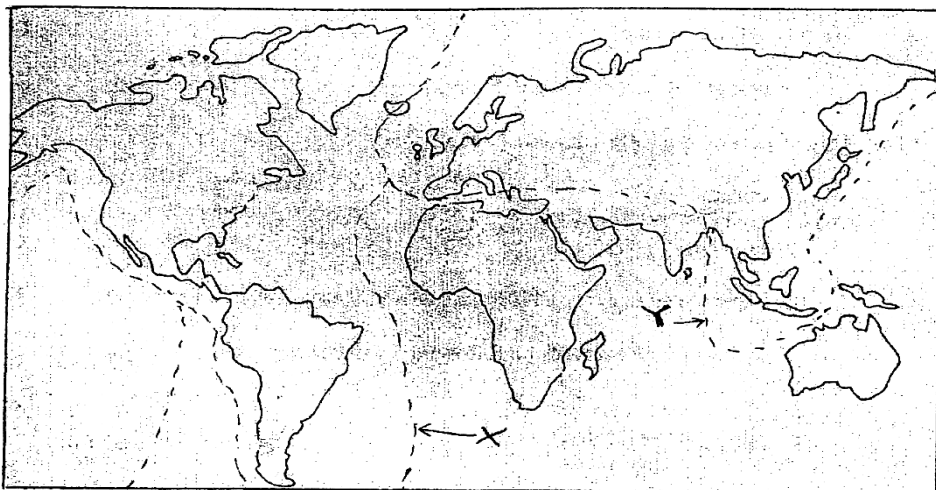
## SECTION A

Answer all questions in this section

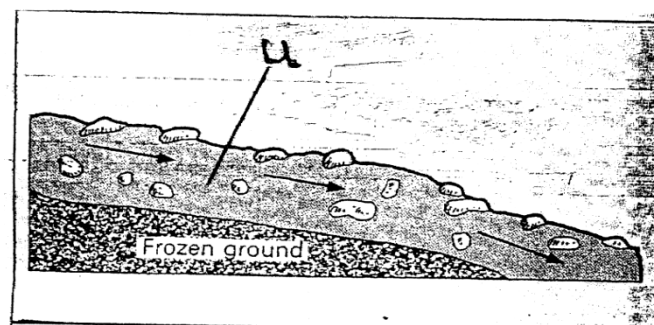
1. (a) Define the term orbit (1mk)
- (b) The diagram below shows the internal structure of the earth. Use it to answer the questions that follow.



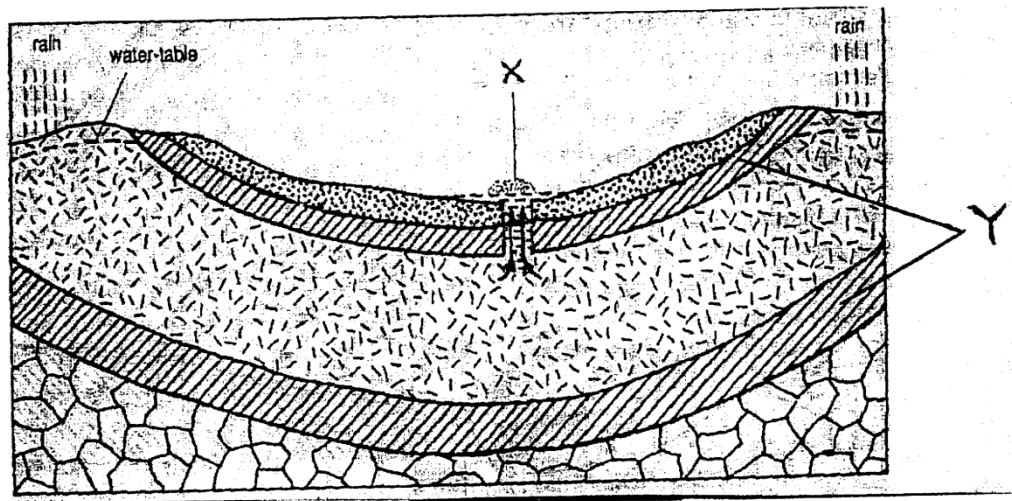
- (i) Name the zone of discontinuity marked X. (1mk)
  - (ii) State three characteristics of the part marked Y. (3mks)
2. Use the world map below to answer question (a)



- (a) Name the tectonic plate boundary marked X and Y. (2mks)
  - (b) What is the importance of studying the plate tectonics theory? (3mks)
3. (a) Apart from normal faults, name two other types of faults. (2mks)
  - (b) Describe three distinctive characteristics of the Rift Valley. (3mks)
4. The diagram below shows mass movement on a slope. Use it to answer question (a).



- (i) Name the type of mass movement shown. (1mk)
- (ii) Name the part marked U. (1mk)
- (b) State three negative effects of mass wasting in Kenya (3mks)
5. (a) What is underground water (1mk)
- (b) Give two main sources of underground water (2mks)
- (c) The diagram below shows an artesian basin. Name the parts marked X and Y. (2mks)

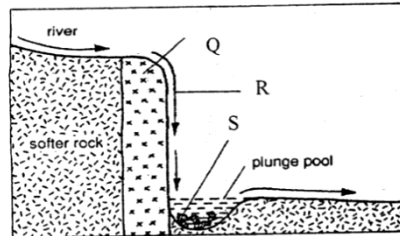


## SECTION B

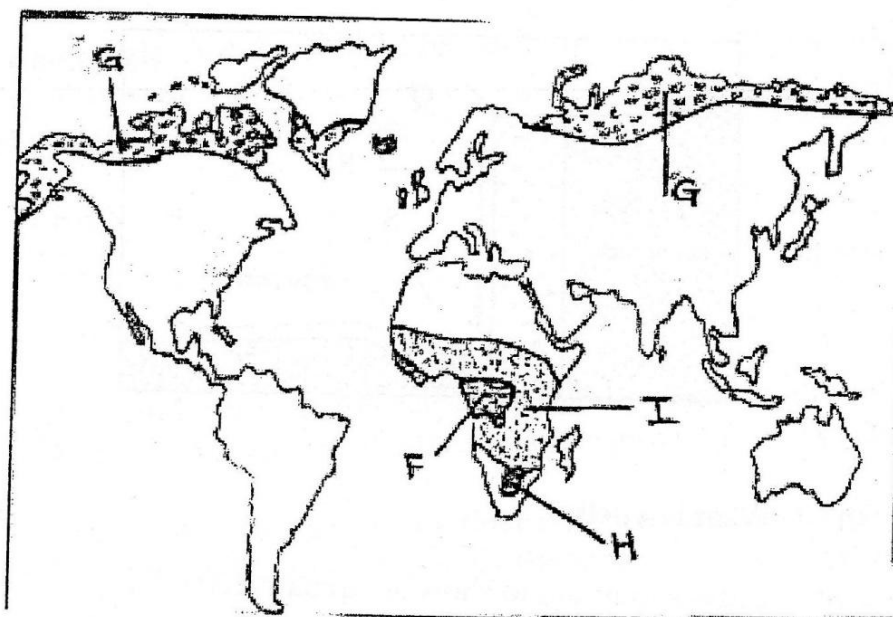
**Answer question 6 and any two other questions from this section.**

6. Study the map of Nkubu (1:50,000) sheet 122/1 provided and answer the following questions.
- (a) (i) Give the six-figure reference of the trigonometrical station at Gatimbi. (2mks)
- (ii) Give the latitudinal extend of the are covered by the map. (2mks)
- (iii) What is the length in kilometers of the all-weather bound surface road junction at Getuaga to the road junction at Gatimbi? (2mks)
- (iv) What is the approximate height of the peak of Kirui hill? (2mks)
- (b) Explain three factors which have influenced the distribution of settlements in the area covered by the map. (6mks)
- (c) Draw a rectangle 15cm by 10cm to represent the area covered by the map. (1mk)
- On the rectangle, mark and name;
- (i) Rurie swamp (1mk)
- (ii) Forest (1mk)
- (iii) River Muugi (1mk)
- (d) (i) Citing evidence from the map, give two reasons why the area covered by the map is suitable for coffee growing. (4mks)
- (ii) Apart from agriculture, name three other economic activities carried out in the area covered by the map. (3mks)
7. (a) (i) What is a rock? (2mks)
- (ii) Explain the process of formation of mechanically formed sedimentary rocks. (5mks)
- (iii) Give three examples of mechanically formed sedimentary rocks. (3mks)
- (b) Explain three ways in which rocks are significant to the economy of Kenya. (6mks)
- (c) Students from your school carried out a field study on the type of rocks.
- (i) One of the rock samples they collected is coral. Give three uses of this type of rock (3mks)
- (ii) Give three types of information for their study. (3mks)

- (iii) State three problems they are likely to have encountered during the field study. (3mks)
8. (a) (i) Distinguish between catchment area and a drainage basin. (2mks)
- (ii) Explain three factors which influence the ability of a river to transport its load. (6mks)
- (iii) The diagram below shows a feature formed by erosion along the river course. Name the parts marked Q, R and S.



- (3mks)
- (b) (i) What is a delta? (1mk)
- (ii) Draw a diagram to show an arcuate delta. (4mks)
- (iii) Name one river in Northern Kenya which forms a birds foot delta. (1mk)
- (c) Students from your class carried out a field study on a nearby river to study various features along its course.
- (i) Give four reasons why the class was divided into groups. (4mks)
- (ii) Give four follow-up activities you were involved in after the field study. (4mks)
9. (a) (i) What is glaciations? (2mks)
- (ii) Explain three factors that influence the rate of glacial erosion. (6mks)
- (b) (i) Apart from cirques, name two other erosional features found in glaciated highlands. (2mks)
- (ii) With the aid of a well labeled diagram, describe how a cirque is formed. (7mks)
- (c) Explain four positive effects of glaciation in lowland areas. (8mks)
10. (a) What is natural vegetation? (2mks)
- (b) The map below shows some vegetation regions of the world. Use it to answer the questions that follow.



Name:

- (i) The type of vegetation found in the are marked F and G. (2mks)
- (ii) The grassland found in the area marked H (1mk)
- (iii) Describe the characteristics of the natural vegetation found in the shaded are marked I (4mks)
- (c) (i) draw a well labeled diagram to show soil catena (4mks)
- (ii) Explain how the following farming practices cause soil erosion
  - Monoculture (2mks)
  - Overstocking (2mks)
- (d) (i) State two factors that contribute to soil leaching. (2mks)
- (ii) Explain three ways in which vegetation prevents soil erosion. (6mks)