

NAME: ADM NO

SCHOOL:

DATE

Time: 2HRS 45MINS

Geography PP.1

FORM 3 END OF TERM III EXAMS

ATIKA SCHOOL

ALL SEASONS

INSTRUCTIONS TO CANDIDATES

- 1) Write your name and admission number in the spaces provided above
- 2) This paper consists of **two** sections; section **A** and section **B**.
- 3) Answer **all** questions in section **A**. In section **B** answer question **6** and any other **two** questions.
- 4) All answers **must** be written in the answer booklet provided.
- 5) This paper consists of 4 printed pages.
- 6) Candidates should check to ascertain that all pages are indicated and that no question are missing

SECTION A

1. a) What is the relationship between Geography and Physics. (2 marks)
b) State three characteristics of Planet Saturn. (3 marks)
2. a) State two natural causes of earthquakes. (2 marks)
b) Name three types of earthquake waves. (3 marks)
3. a) Give three examples of organically formed sedimentary rocks. (3 marks)
b) State two reasons why sedimentary rocks are dominant along the Kenyan Coast. (2 marks)
4. a) Identify two factors considered when classifying clouds (2 marks).
b) Give three conditions necessary for formation of fog (3 marks).
5. a) What is hydrological cycle (2 marks)
b) State three factors that influence the occurrence of surface run off. (3 marks).

SECTION B

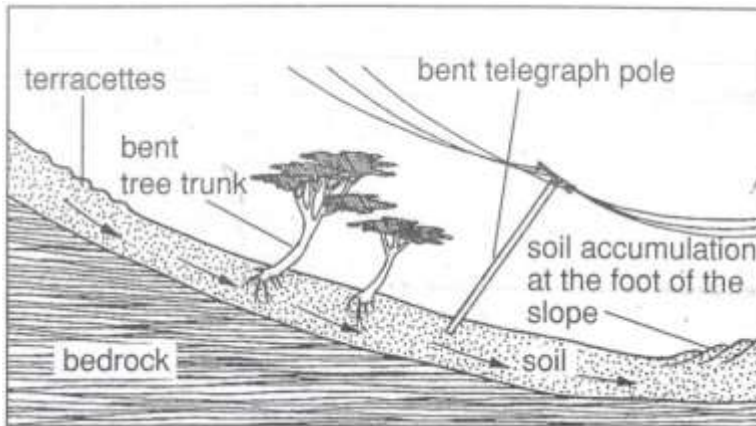
Answer question 6 and any other TWO questions from this section

6. Study the of Kitale scale 1: 50000 (sheet 75/3) provide and answer the question that follow.
 - (a) (i) Give the bearing of trigonometric station at grid square 2823 from the water hole at grid square 3127 (2mks)
(i) Give the magnetic variation of the area covered by the map extract. (1mk)
 - (b) Name three types of settlement pattern found on the map extract (3mks)
 - (c) Using a scale of 1cm represent 20 meters (6mks)
 - (i) Draw a cross section between GR 310280 and 370280
 - (ii) On it mark and label
 - Plantation (1mk)
 - Papyrus swamp (1mk)
 - River Saiwa (1mk)
 - (iii) Name two methods used to represent relief in the area covered by the map. (2mks)
 - (d) (i) explain three factors that favour the growing of wattle in the area covered by the map (6mks)
(ii) Give two evidences showing that the area receives high rainfall (2mks)

7. a.i) What is the difference between mass wasting and weathering? (2 marks)

ii) Name two processes of chemical weathering. (2 marks)

b. The diagram below shows a process of mass wasting.



i) Identify the process shown above. (1 mark)

ii) Give three factors that cause the above type of mass wasting (3 marks)

iii) Explain three effects of the above form of mass wasting on the environment. (6 marks)

c. With the aid of a diagram, describe the formation of an exfoliation dome. (4 marks)

d. Students from a school in Nairobi carried out a field study on mass wasting.

i) State two objectives of their study. (2 marks)

ii) Give three reasons why they needed to carry out reconnaissance. (3 marks)

iii) State two problems they are likely to encounter during the field study. (2 marks)

8. a) Differentiate between weather and climate (2 marks).

b) Describe how air masses causes rainfall formation (4 marks)

c) How do the following factors influence climate

(i) Altitude (4 marks)

(ii) Distance from the area (4 marks)

d) (i) Describe the characteristics of tropical continental climate. (7 marks)

(ii) State four uses of savanna vegetation (4 marks).

9.

(a) Differentiate between a waterfall and a rapid (2 marks)

(b) Using a well labeled diagram, describe how presence of a resistant rock across a river channel can cause formation of a waterfall. (7 marks)

(c) What is a marine delta (2 marks)

(ii) Explain three conditions necessary for the formation of delta. (6 marks)

(d) Explain four significance of a river's depositional features? (8 marks)

10. a) i) Give three physical factors which contribute to the development of deserts.(3 marks)
- ii) Describe two processes of wind transportation. (4 marks)
- b) State three factors that facilitate wind deposition in the deserts. (3 marks)
- c) By use of diagrams, explain how a rock pedestal is formed. (5 marks)
- d) Explain three effects of desert features on human environment. (6 marks)
- e) Some students carried out a field study in Chalbi desert.
- i) State two objectives of their study. (2 marks)
- ii) State two problems they encountered during their study. (2 marks)