INSTRUCTIONS TO CANDIDATES:-

- This paper consists of two sections; section A and section B.
- Answer all questions in section A. In section B answer question 6 and any other two questions.
- All answers must be written in the provided sheets.
SECTION A
Answer all the questions in this section.

1. a) Give four reasons for studying geography in schools. (4mks)
   b) Name two branches of geography. (2mks)

2. a) Name the two dates of the year when the sun is overhead at the equator. (2mks)
   b) State three effects of the rotation of the earth. (3mks)

3. a) What is an ocean? (2mks)
   b) Give two causes of ocean salinity. (2mks)

4. a) The diagram shows a fold in the crustal rocks.
    i) Name the type of fold. (1mk)
    ii) Identify the parts labeled M and N. (2mks)

   b) Name two fold mountains found in Africa (2mks)

5. State any five evidences which support the Continental Drift Theory. (5mks)

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

6. Study the map extract of Homa Bay provided and use it to answer this questions.
   a) (i) in which country is Homa Bay area found? (1mk)
      (ii) What was the magnetic declination as at January 1979? (1mk)
      (iii) Find the six–figure grid reference of Asina Dam found in the North West of the area. (1mk)
      (iv) Calculate the area of Olambwe valley National Reserve. Give your answer in square kilometers. (2mks)
   b) Using a vertical scale of 1 cm to represent 50ft, draw a cross section from Y to X. on it mark and label.
      - Sigulu Hill
      - Loose surface Road (7mks)
- Petokiri River
- Papyrus swamp

c) (i) Describe the relief of the area covered by the map.  
(ii) Citing evidence from the map, identify four economic activities carried out in Homa Bay area.

d) Explain two physical factors which have influenced the settlement distribution in the area.

7. a) (i) What is weathering? 
(ii) Name three physical weathering processes caused by changes in atmospheric temperatures.

b) (i) Explain any four chemical weathering processes.
(ii) Why is chemical weathering least expected at the top of Mount Kenya?

b) Give four significance of weathering to physical and human environment.

d) (i) State four physical factors which influence mass wasting.
(ii) Name three types of rapid mass wasting.

8. a) Explain how each of the following human activities can influence climate
(i) Construction of dams.
(ii) Development of Urban centres.

b) The map given shows the distribution of the seven climatic regions of Kenya.
(i) Identify the climatic region labeled 6. (1mk)
(ii) Give five climatic characteristics of the region labeled 3. (5mks)
c) State five reasons as to why it is important to have weather forecasting. (5mks)
d) Students from Sigarame secondary school are expected to carry out a field study in a nearby weather station.
i) Give three reasons of conducting a reconnaissance. (3mks)
ii) Name any four instruments they are likely to observe in the weather station. (4mks)

9. a) (i) Define a lake. (2mks)
(ii) Why are some lakes in Kenya Saline? (4mks)
b) Describe how each of the following lakes is formed.
   (i) Caldera lake. (6mks)
   (ii) Ox-bow lake (6mks)

c) State seven economic importance of lakes in Kenya. (7mks)

10. a) (i) Differentiate between aridity and desertification. (2mks)
   (ii) Explain four ways through which human activities can lead to desertification. (8mks)

   b) Describe how the following desert features are formed
      (i) Rock pedestal. (6mks)
      (ii) Wadis (3mks)

   c) Explain three ways through which wind transports its load. (6mks)