

312/1  
GEOGRAPHY  
PAPER 1  
JULY/AUGUST 2011  
TIME: 2 ¾ HOURS

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# NYAMIRA DISTRICT JOINT EVALUATION TEST

*Kenya Certificate of Secondary Education (K.C.S.E.)*

**Geography  
Paper 1**

## INSTRUCTIONS TO CANDIDATES:-

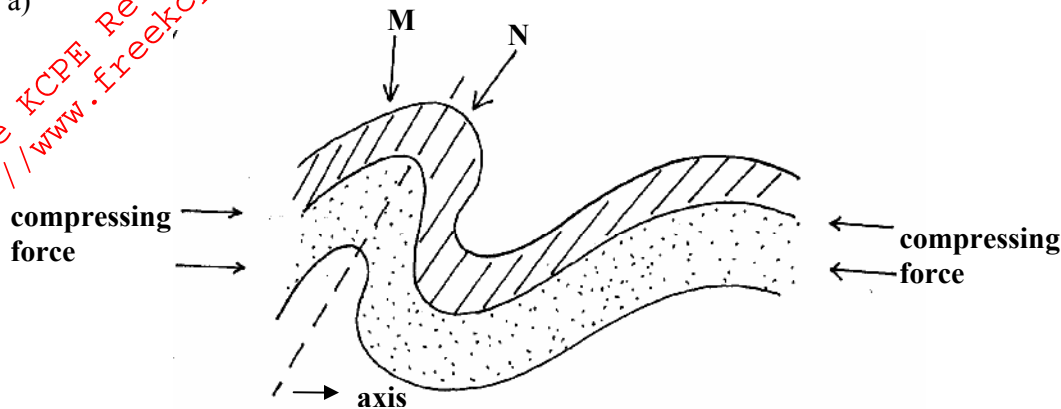
- This paper consists of *two* sections; section **A** and section **B**.
- Answer *all* questions in section **A**. In section **B** answer question **6** and any other *two* questions.
- All answers *must* be written in the provided sheets.

*This paper consists of 4 printed pages. Candidates should check to ascertain that all pages are printed as indicated and that no questions are missing.*

## 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.

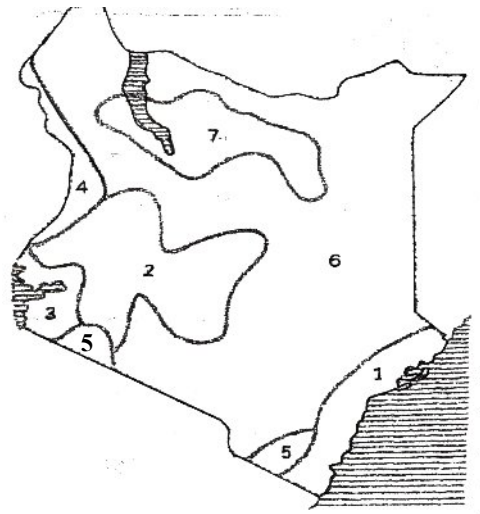
6. Study the map extract of Homa Bay provided and use it to answer this questions.
- a) (i) in which country is Homa Bay area found? (1mk)
  - (ii) What was the magnetic declination as at January 1979? (1mk)
  - (iii) Find the **six** –figure grid reference of Asina Dam found in the North West of the 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. (7mks)
    - Sigulu Hill
    - Loose surface Road

- Petokiri River
- Papyrus swamp

- c) (i) Describe the relief of the area covered by the map. (5mks)
- (ii) Citing evidence from the map, identify four economic activities carried out in Homa Bay area. (4mks)
- d) Explain **two** physical factors which have influenced the settlement distribution in the area. (4mks)

7. a) (i) What is weathering? (2mks)
- (ii) Name **three** physical weathering processes caused by changes in atmospheric temperatures. (3mks)
- b) (i) Explain any **four** chemical weathering processes. (8mks)
- (ii) Why is chemical weathering least expected at the top of mount Kenya? (1mk)
- c) Give **four** significance of weathering to physical and human environment. (4mks)
- d) (i) State **four** physical factors which influence mass wasting. (4mks)
- (ii) Name **three** types of rapid mass wasting. (3mks)

8. a) Explain how each of the following human activities can influence climate
- (i) Construction of dams. (2mks)
- (ii) Development of Urban centres. (2mks)
- 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)
- iii) Apart from direct observation, name three other methods they will use to collect their data. (3mks)
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)