

Name.....

Index No...../.....

School.....

Date .....

Candidate's Signature.....

312/1  
GEOGRAPHY  
Paper 1  
July / August, 2012  
Time: 2 ¾ Hours

**KISII SOUTH DISTRICT JOINT EVALUATION -2012**  
*Kenya Certificate of Secondary Education (K.C.S.E)*

312/1  
GEOGRAPHY  
Paper 1  
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**INSTRUCTIONS TO CANDIDATES**

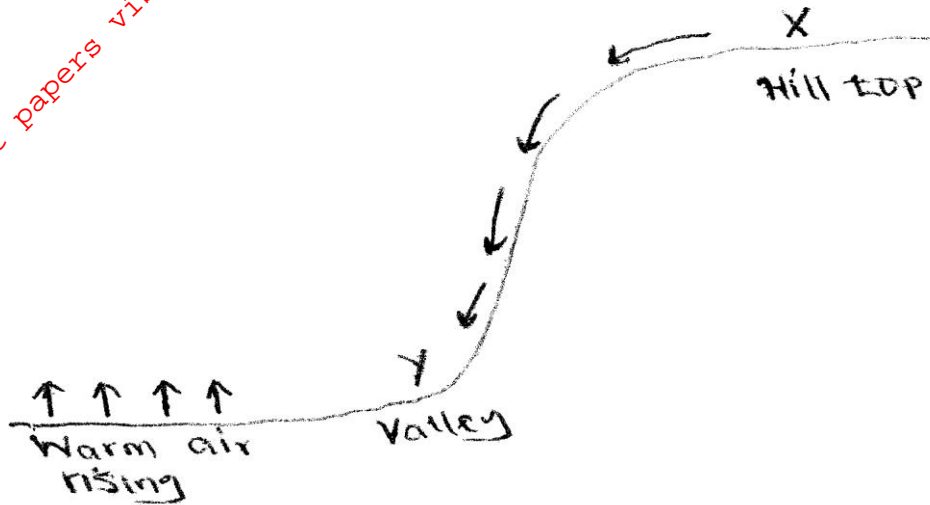
- (a) This paper has **two** sections **A** and **B**
- (b) Answer all questions in section **A**
- (c) In section **B** answer question **6** and any **two** other questions
- (d) All answers must be written in the answer sheets provided.

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

**SECTION A (25 MARKS)**

**Answer all questions in this section.**

1. (a) Name **four** heavenly bodies found in the solar system (4mks)
- (b) State **three** weaknesses of the passing star theory. (3mks)
2. (a) Differentiate between lapse rate and temperature inversion. (2mks)
- (b) The diagram below represents a type of a wind, use it to answer the questions that follows.



Name:

- (i) The type of wind (1mk)
- (ii) Zone x and y (2mks)
3. (a) Name **two** types of boundaries associated with plate tectonic movements. (2mks)
- (b) State **three** evidences that support continental drift theory. (3mks)
4. (a) State **three** conditions necessary for the development of Karst landscape. (3mks)
- (b) Name **two** underground features of Karst scenery (2mks)
5. (a) Which is the major difference between the via coasts and fiord coasts. (2mks)
- (b) What are atolls, (2mks)

**SECTION B.**

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

6. Study the map of Homa Bay provided (1:5000) sheet 129/2 provided and answer the following questions.
  - (a) (i) What type of map is Homa Bay sheet? (1mk)
  - (ii) Give the **six** grid reference of the peak at Omako Koth bill. (1mk)
  - (b) Name the physical feature found on grid square 6032 (1mk)
  - (ii) Describe the relief of the area covered by the map (5mks)
  - (iii) Calculate the bearing A of the school at Waiga from a school at Ngoohe. (2mks)
  - (c) (i) Citing evidence from the map give **three** economic activities carried on the map. (3mks)

- (ii) Account for sparse population on the map (2mks)
- (d) Students of Homa bay High school went for a field study at Lake Victoria
- (i) State **two** objects of their study (2mks)
- (ii) Give **three** importance of reconnaissance in field study. (3mks)
- (iii) Name **three** methods they will use to record their information (3mks)
7. (a) (i) What is faulting. (1mk)
- (ii) With an aid of well labeled diagrams explain how a rift valley is formed through compression forces (8mks)
- (b) Explain **four** positive significance of faulting to human activities. (8mks)
- (i) Distinguish between basic lava and acidic lava. (2mks)
- (ii) Outline the **three** methods through which crater are formed and give an example of each (6mks)
- (a) (i) Differentiate between weathering and mass wasting. (2mks)
- (ii) State **three** types of slow mass wasting. (3mks)
- (b) Describe the following chemical weathering processes.
- (i) Hydration (3mks)
- (ii) Oxidation (3mks)
- (iii) Carbonation (3mks)
- (c) (i) Name **three** types of biological weathering (3mks)
- (ii) Explain **four** significances of weathering (8mks)
9. (i) What is aridity?
- (ii) State **three** reasons why wind is a major agent. of land sculpture in desert areas.
- (b) With aid of well labeled diagrams explain the formation of the following features;
- (i) Deflation hollows
- (ii) A barchans
- (c) (i) Give **three** characteristics of a self dune
- (ii) State **three** factors which influence transportation of materials by wind in deserts (3mks)
- (d) You have been asked to carry a study on water action in the desert.
- (i) Name the **two** features you would observe. (2mks)
- (ii) State **three** problems you might encounter (3mks)
10. (a) What is soil? (1mk)
- (ii) Name **two** components of soil. (2mks)
- (iii) What is soil porosity? (2mks)
- (b) Explain **four** factors which influence the formation of soil. (8mks)

- (c) (i) Differentiate soil profile from soil catena (2mks)
- (ii) Using a suitable sketch describe the profile of a fully developed soil. (6mks)
- (d) Explain **two** causes of soil degeneration (4mks)

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