

**NANDI EAST, NANDI SOUTH & TINDERETSUB-COUNTIES JOINT EVALUATION 2016**

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

**312/1**

**GEOGRAPHY**

**PAPER 1**

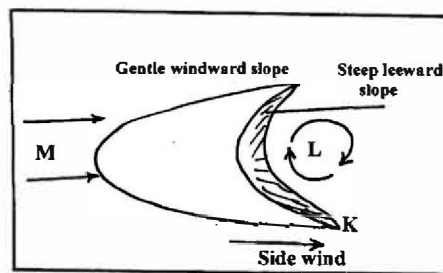
**JULY / AUGUST 2016**

**TIME: 2¼ HOURS**

**SECTION A: 25 MARKS**

**Answer ALL Questions.**

1. (a) What is land breeze? (2marks)  
 (b) Give **three** indicators of climate change. (2marks)
2. (a) Give **three** natural causes of earthquakes. (3marks)  
 (b) Name **two** major earthquake zones of the world. (2marks)
3. (a) Give the **two** dates in a year when the hours of darkness are equal to the hours of light at the poles. (2marks)  
 (b) What is the longitude of town X whose time is 8.00a.m. while in Thika at longitude 37°E the time 12.00 noon? (3marks)
4. (a) Name **two** examples of hypabyssal rocks. (2marks)  
 (b) Name **three** elements that form minerals on the earth surface. (3marks)
5. The diagram below shows some features of wind deposition. Identify K, L and M.



- (b) State **two** reasons why the interior of the earth is believed to be hot. (2marks)

**SECTION B**

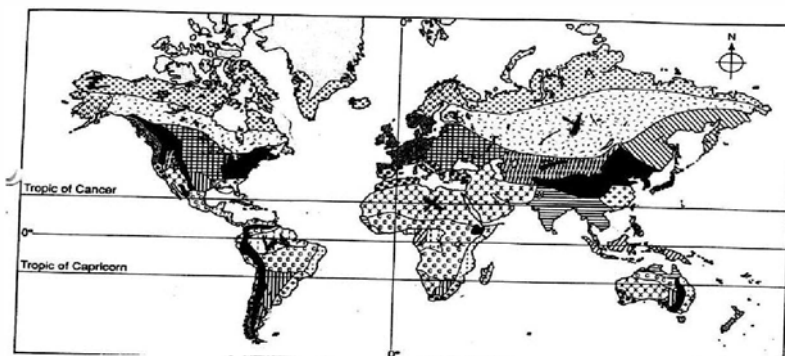
**Answer question 6 and any other two questions in this section**

6. Study the map of Migwani (1:50,000) provided and answer the following questions.
  - (a) Give the adjoining sheet found to the East of the provided Migwani Map. (1 mark)
  - (b) Give **two** methods used to represent relief on the map provided. (2marks)
  - (c) Describe the relief of the area covered by the map. (4marks)
  - (d) Using a vertical scale of 1cm represents 20m, draw a cross-section between grid references 060700 to 130700. (3marks)

On the cross section:

- (i) Name and mark the following:-
  - River Ikoo
  - Road
  - Water pipe
- (ii) Calculate the vertical exaggeration (V.E). (2marks)
- (e) Citing evidence from the map, state **three** services provided at Gwani centre. (3marks)
- (f) Students from Usiani School (grid square 9568) carried out a field study on vegetation around the school.
  - (i) State **two** objectives of their study. (2marks)
  - (ii) Give **two** types of data the students would collect. (2marks)
  - (iii) Give **three** importance of a work schedule. (3marks)

7. The map below shows the climatic regions of the world. Use it to answer the questions.



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- (a) Name the climatic regions marked W, X, Y and Z. (4marks)
- (b) State **four** characteristics of climate region marked W. (4marks)
- (c) Explain how the following factors influences the climatic condition of a place.
- (i) Warm ocean currents. (2marks)
- (ii) Latitude (2marks)
- (d) (i) Distinguish between climate and weather. (2marks)
- (ii) State **three** importance of weather forecasting. (3marks)
- (iii) Explain any **three** effects of climate change. (6marks)
- (e) You intend to carry out a study on weather around your school. Formulate **two** objectives of your study. (2marks)
8. (a) Define a desert. (2marks)
- (b) (i) Give **three** ways by which wind can transport its load in arid areas. (3marks)
- (ii) Name **three** features in arid regions associated with wind deposition. (3marks)
- (c) Using a well-labeled diagram, describe the formation of the following resultant features of the wind erosion:
- (i) Yardang (4marks)
- (ii) Rock pedestal (4marks)
- (d) You intend to carry out a field study on desert land forms.
- (i) State **two** objectives and **two** hypothesis of your study. (4marks)
- (ii) Give **two** methods you would use to collect your data. (2marks)
- (iii) State any **three** challenges you are likely to encounter during your study. (3marks)
9. (a) Describe the process of plucking as a process of glacial erosion. (2marks)
- (b) Explain **three** conditions that lead to glacial deposition. (6marks)
- (c)(i) Name **three** main erosional features in glaciated low lands. (3marks)
- (ii) Describe how cirque is formed. (4marks)
- (d) Explain **four** negative effects of glaciation. (8marks)
10. (a) What is an Isohalines? (2marks)
- (b) Explain **two** causes of vertical movement of ocean water. (4marks)
- (c) Name **four** types of tides. (4marks)
- (d) (i) Briefly explain **three** ways by which waves erode. (6marks)
- (ii) Describe the formation of a sea cave. (4marks)
- (e) State **two** significance of ocean land forms. (2marks)
- (f) You intend to carry out a study on the coastal features in Mombasa. State **three** methods you would use to record data. (3marks)