

NAME:.....INDEX NO:.....

SCHOOL.....DATE:.....

CANDIDATE'S SIGNATURE: .....

312/1  
GEOGRAPHY  
PAPER 1  
JULY- 2016  
TIME: 2 3/4 HRS

**KAKAMEGA SOUTH SUB-COUNTY JOINT EVALUATION TEST -2016**  
***Kenya Certificate of Secondary Education (KCSE)***

**312/1**  
**GEOGRAPHY**  
**PAPER 1**

**INSTRUCTIONS TO CANDIDATES**

- a) This paper has **TWO** sections **A**, and **B**
- b) Answer all the questions in section A,
- c) In section B answer question 6 and any other two questions

**SECTION A**

**SECTION B**

1- 5	6	7	8	9	10

**GRAND TOTAL**

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

## SECTION A

1. What are earthquakes? (2mks)  
(b) State **three** physical causes of earthquakes (2mks)
2. (a) Name **two** types of plutonic rocks (3mks)  
(b) Give **three** characteristics of volcanic rocks (1mk)
3. (a) Identify **two** layers of the atmosphere that experience temperature inversion (2mks)  
(b) State **three** causes of temperature inversion (3mks)
4. (a) Define soil profile (2mks)  
(b) Name **three** processes that influence development of a soil profile (3mks)
5. (a) Identify and name two types of lake formed through glaciations (2mks)  
(b) State **two** uses of cirque water lakes in Kenya (3mks)

## SECTION B

6. Study the map of Busia 1:50,000 (sheet 10/1) provided and answer the following questions  
(a) Give the longitudinal extent of the area covered by the map (1mk)  
(ii) What is the magnetic declination of the map when it was drawn. (1mk)  
(iii) Give the **six figure grid reference** of the dispensary at Luchula. (1mk)  
(b) (i) Describe the drainage of the area covered by the map. (4mks)  
(ii) Explain three factors which have influenced the distribution of settlement in the area covered by the map (6mks)  
(c) With evidence give the highest height on the area covered by the map (1mk)  
(ii) Citing evidence from the map give three economic activities carried out in the area covered by the map (3mks)  
(d) Draw a sketch section from grid square 2848 and 3748 and on it label  
-Settlement  
-A river  
-A seasonal swamp (6mks)  
(ii) Calculate the gradient of your sketch section (2mks)
7. (a) State the **two** types of earth movement (2mks)  
(ii) Explain **three** causes of earth movement (3mks)

- (iii) Give **three** proofs put forward to support the continental drift theory (3mks)
- (b) (i) Name **three** types of folds (3mks)
- (ii) Using well labeled diagrams explain the stages in the formation of fold mountains (9mks)
- (c) Name two theories put forward to explain formation of fold mountains (2mks)
8. (a)(i) Distinguish between river discharge and river competence (2mks)
- (ii) Describe how a river erodes its channel through
- Hydraulic action (3mks)
  - Corrasion (2mks)
- (b) Using well labeled diagram describe the following drainage patterns formed by river with its tributaries (6mks)
- Trellis (3mks)
  - Centripetal (3mks)
- (ii) Describe how an ox-bow lake is formed (5mks)
- (c) State **two** main ways by which a river erodes its channel (2mks)
- (ii) Describe **three** characteristics of a river in its youthful stage (3mks)
- (iii) Identify and list **two** features in the middle stage of a river (2mks)
9. (a) Define a shore line (1mk)
- (ii) State three conditions necessary for the formation of a beach (3mks)
- (b)(i) Explain how the following factors influence wave deposition
- Gradient of the shore (2mks)
  - Depth of the sea (2mks)
- (ii) Using well labeled diagrams, describe how a bay bar is formed (5mks)
- (c) State **two** causes of submerged coasts (2mks)
- (ii) Name **two** features that result from submergence of coasts in the lowland areas (2mks)
- (d)(i) State **two** causes of horizontal movement of water (2mks)
- (ii) Give the causes of tides (2mks)
- (e) Your class plans to carry out a field study on coastal features

- (i) State one null hypothesis for your study
- (ii) Name **two** features of erosion likely to be indentified (2mks)
- (iii) Give **one** way in which collected information will be important to the community
10. (a)(i) Define vulcanicity (2mks)
- (ii) State **three** causes of volcanicity (3mks)
- (iii) Identify and name two types of lakes formed through the process of volcanicity (2mks)
- (b)(i) What are the sources of lake water?
- (ii) Name **two** areas in East Africa where tarns are found (2mks)
- (c)(i) Using a diagram, explain how the following lakes are formed
- Moraine dammed lake (4mks)
- Lagoonal lake (4mks)
- (ii) Give **three** reasons why some lakes are salty (3mks)