

Name.....

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

School.....

Date

Candidate's Signature.....

312/1

GEOGRAPHY

Paper 1

JUNE / JULY 2012

Time: 2 $\frac{3}{4}$ HOURS

BUTERE DISTRICT JOINT EVALUATION TEST - 2012

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

312/1

GEOGRAPHY

Paper 1

JUNE / JULY 2012

Time: 2 $\frac{3}{4}$ HOURS

INSTRUCTIONS TO CANDIDATES

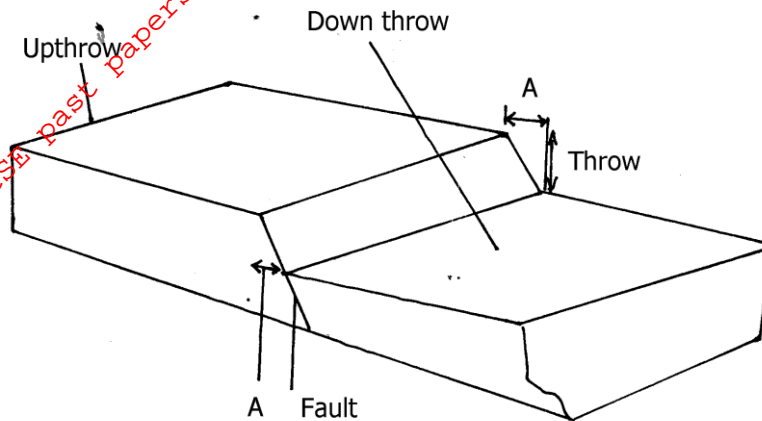
- This paper has Two sections: A and B
- Answer all the question in section A.
- In section B answer question 6 and any other two questions
- All answer must be written in the answer booklet provided

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

SECTION A

Answer all the questions in this section in the spaces provided.

1. a) List two features resulting from extrusive volcanic activity. (2mks)
b) State four ways in which volcanicity has influenced human activities in Kenya. (4mks)
2. The block diagram below represents part of earth's crust which has been subjected to tensional forces.



- a) Name (i) the slope marked A. (1mk)
b) State three ways in which faulting can influence drainage systems. (3mks)
3. a) What is isobar? (1mk)
b) List four characteristics of modified Equatorial Climate (such as experienced in the lake Victoria Basin). (4mks)
4. a) If the local time in Nairobi at longitude 37° E is 10.00 a.m.
What will the time be at / Buchanan in Liberia at longitude 10° W
b) What is the effect of the international date line on time? (2mks)
5. a) Give three examples of mechanically formed sedimentary rocks. (3mks)
b) State two changes that occur in sedimentary rocks when they are subjected to intense heat and pressure. (2mks)

SECTION B

In this section answer question 6 and any other two questions All questions carry 25 marks

6. Study the map of Nkubu 1:50,000 provide and answer the questions that follow
a) i) Name two types of scale used on the map. (2mks)
ii) What is the circumference of lake Rumiku. (1 mk)
b) Describe the vegetation of the area covered by the map. (5mks)

- c) Citing evidence from the map, describe the climate of the area covered by the map (4mks)
- d) i) State two methods used to show relief on this map (2mks)
- ii) What is the height of the highest point in the area covered by the map. (2 mks)
- iii) State the longitudinal extend of the area covered by the map (2mks)
- iv) What is the depth of lake Erimbere (2mks)
- (e) Draw a rectangle measuring 8cm by 6cm to cover areas between 5396, 5796, 5399 and 5799. On it mark and name:
- i) Rurie swamp
- ii) Quarries
- iii) Mariara river
- iv) Dry weather road (5mks)

7. a) i) What is river divide?
- ii) Describe three ways by which a river transports its load
- b) Describe the characteristics of a river in its old age
- c) Describe each of the following drainage patterns
- i) Superimposed drainage pattern
- ii) Centripetal drainage pattern
- d) You have planned to carry out a study of a river in its youthful stage
- i) State two ways in which you would prepare for the study
- ii) Name two feature you are likely to study
- iii) List two problems you are likely to experience during the study

8. a) List four processes through which costs are eroded
- b) Using well-labeled diagram, explain how each of the following features is used formed.
- i) A spit (4mks)
- ii) A blow hole (2mks)
- iii) An a toll (5mks)
- c) Some student carried out a field study on the coastal features found along the coast of Kenya.

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- i) List three features formed as a result of coastal emergence that they are likely to have studied. (3mks)
 - ii) State three methods the student may have used to record their data. (2mks)
 - iii) Describe two ways in which features resulting from coastal emergence are of significance of Kenya. (2mks)
9. a) List
- i) Four characteristics of desert soil. (4mks)
 - ii) Two factors that contribute to soil leaching. (2mks)
- b) Explain how each of the following factors influences the formation of soil:
- i) Parent rock (2mks)
 - ii) Living organisms (2mks)
 - iii) Topography (2mks)
- c) Draw a well labeled profile of mature soil. (5mks)
- d) Explain four ways in which human activities contribute to soil erosion. (8mks)
10. (a) What do you understand by the term derived vegetation. (2 mks)
- (b) State 4 characteristics of equatorial vegetation. (4 mks)
- (c) Explain 4 ways in which desert vegetation are adapted to the environmental conditions. (8 mks)
- (d) Explain how the following factors influence vegetation distribution in Kenya.
- (i) Edaphic factors. (4 mks)
 - (ii) Human factors (3mks)
- (e) Students of Budonga School carried out a field study on vegetation around their school. .
- (i) State two methods they may have used to record their data.
 - (ii) State two problems they may have encountered during their study.