Name ……………………………………………………… Index No. ………..………/……

School ……………………………………………………… Date …………………………….

Candidate's Signature ……………………………………

312/1
GEOGRAPHY
Paper 1
JULY/AUGUST- 2012
Time: 2 ½ HOURS

BURETI DISTRICT JOINT EVALUATION TEST - 2012
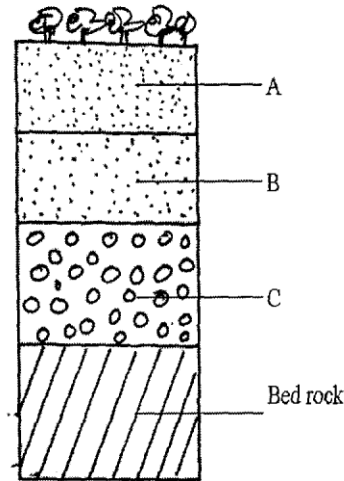## Kenya Certificate of Secondary Education (K.C.S.E)

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**
• **Candidates should check the question paper to ascertain all pages are printed**

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

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SECTION A

1. (a) State **two** theories associated with the origin of the Earth and Solar system. (2 mks)

    (b) State **three** effects of the revolution of the Earth. (3 mks)

2. (a) Give **two** components of soils. (2 mks)

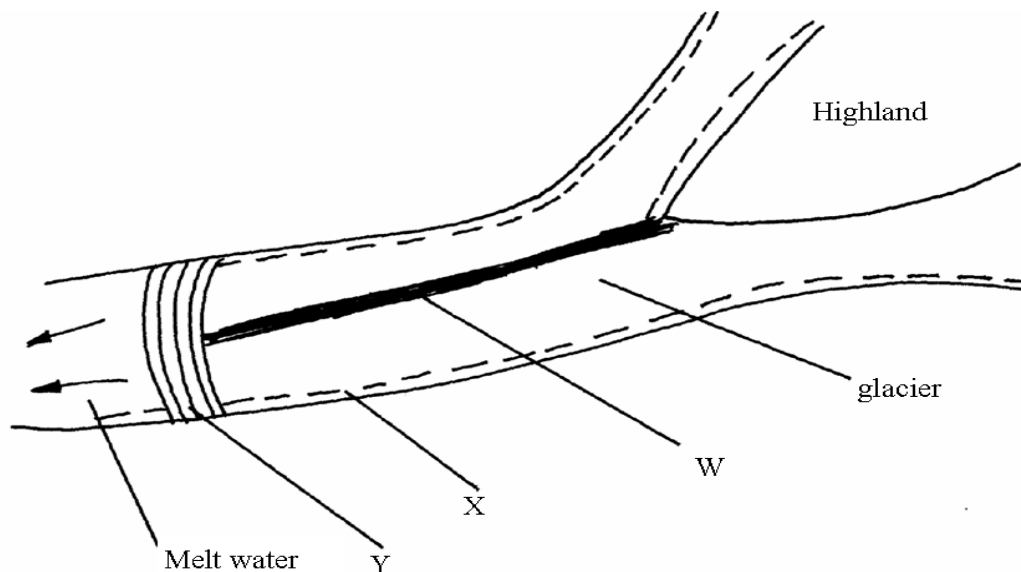   (b) The diagram below shows a simple soil profile. Name the horizontal A, B, C. (3 mks)

3. (a) Give **two** ways through which minerals ores occur. (2 mks)

    (b) Explain **two** factors influencing the exploitation of minerals. (4 mks)

4. (a) Give **three** processes by which the atmosphere is heated. (3 mks)

    (b) State **two** factors that influence the amount of insolation received by Earth. (2 mks)

5. (a) Differentiate between **Earthquakes** and **Earth tremors.** (2 mks)

    (b) State **two** human causes of Earthquakes. (2 mks)

SECTION B

ANSWER QUATION 6 AND ANY OTHER TWO IN THIS SECTION

6. (a) Study the map of Nkubu (1:50,000) sheet 1222/2 provided and answer the following questions:

   (i) Measure the length of Mitunguu-Meru all — weather (loose service) road in the North — East corner of the map. Give your answer in KMs. (2 mks)

   (ii) Calculate the area of the forest to the West of Easting 40. Give your answer in square KM. (2 mks)

   (iii) Give **two** man-made features found on Grid square 4186. (2 mks)

   (iv) Give **six** figure grid reference of a trigonometrical station (other) to the East of Rune swamp. (2 mks)

   (b) Draw a rectangle measuring 12cm by 8cm to represent the area bounded by easting 54 and 60 and Northings 95 and 99.

   On it show the following features

   - a swamp
   - River mariaria
   - Quarry
   - Meru-Mitunguu road (5mks)

   (c) (i) Citing evidence from the map. Give **three** economic activities carried out in the area covered by the map. (3 mks)

   (ii) Explain **two** factors which have influenced the distribution of settlement in the area covered by the map. (4 mks)

   (d) Describe the relief of the area covered by the map. (5 mks)

7. (a) (i) Define **mass wasting** (2 mks)

   (ii) Name three forms of slow mass wasting. (3 mks)

   (b) State **two** conditions which may influence occurrence of land slides. (2 mks)

   (c) Explain **four** factors which cause soil creep. (8 mks)

   (d) Explain **five** factors of mass wasting on physical and human environment. (10 mks)

8. (a) (i) Define the term **artesian basin.** (2 mks)

   (ii) State **four** factors influencing the development of a Karst scenery (4 mks)

   (b) (i) Give **four** underground features in Karst scenery. (4 mks)

   (ii) Describe briefly how the following features in Karst scenery are formed:
   - Polse (3mks)
   - Doline (3 mks)

(c)   (i)   Give **three** sources of ground water.   (3mks)

   (ii)   Explain **three** significance of resultant features in limestone areas to human

   activities.   (6 mks)

9.   (a)   What is river capture?   (2 mks)

   (b)   (i)   Give **three** types of meanders at the lower course of a river.   (3 mks)

   (ii)   State **three** factors influencing the rate of river erosion.   (3 mks)

   (c)   (i)   Give **three** processes of river erosion.   (3 mks)

   (ii)   Describe **four** processes through which a river transport its load.   (8 mks)

   (d)   Explain **three** negative influence of rivers on human activities.   (6 mks)

10.   (a)   (i)   Give **two** ways through which ice moves outwards from the area of accumulation.

   (2 mks)

   (ii)   State **three** factors influencing Glacial erosion.   (3 mks)

   (b)   (i)   The diagram below shows types of moraine carried by glacier.

   Name the parts labeled **W, X, Y.**   (3 mks)

   (ii)   Describe **two** ways through which glacial erosion takes place.   (4 mks)

   (c)   Explain **three** positive significance of glaciations to human activities.   (6 mks)

   (d)   Students of Kusumek Sec. School are to carry out a field study on snow capped Mt.

   Kenya.

   (i)   State **two** ways in which the students would prepare themselves for the field study.

   (2 mks)

   (ii)   Give **three** methods they would use in recording the data collected.   (3 mks)

   (iii)   State **three** problems they are likely to face in the course of field study.   (2 mks)