312/ 1
GEOGRAPHY
PAPER 1
JULY/AUGUST 2010
2 ¾ Hours

BUNGOMA JOINT EVALUATION TEST - 2010
Kenya Certificate of Secondary Education (K.C.S.E)

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Instruction to Candidates

- This paper consists of **Two** sections **A** & **B.**
- Answer all questions in section **A**. In section **B** Answer question **6** and any other **two** questions from this section
- All answers must be written in answer sheets provided.

This paper consists of 4 printed pagesCandidates should check the question paper to ensurethat all the pages are printed as indicated and no questions are missing

SECTION A

Answer all questions in this section.

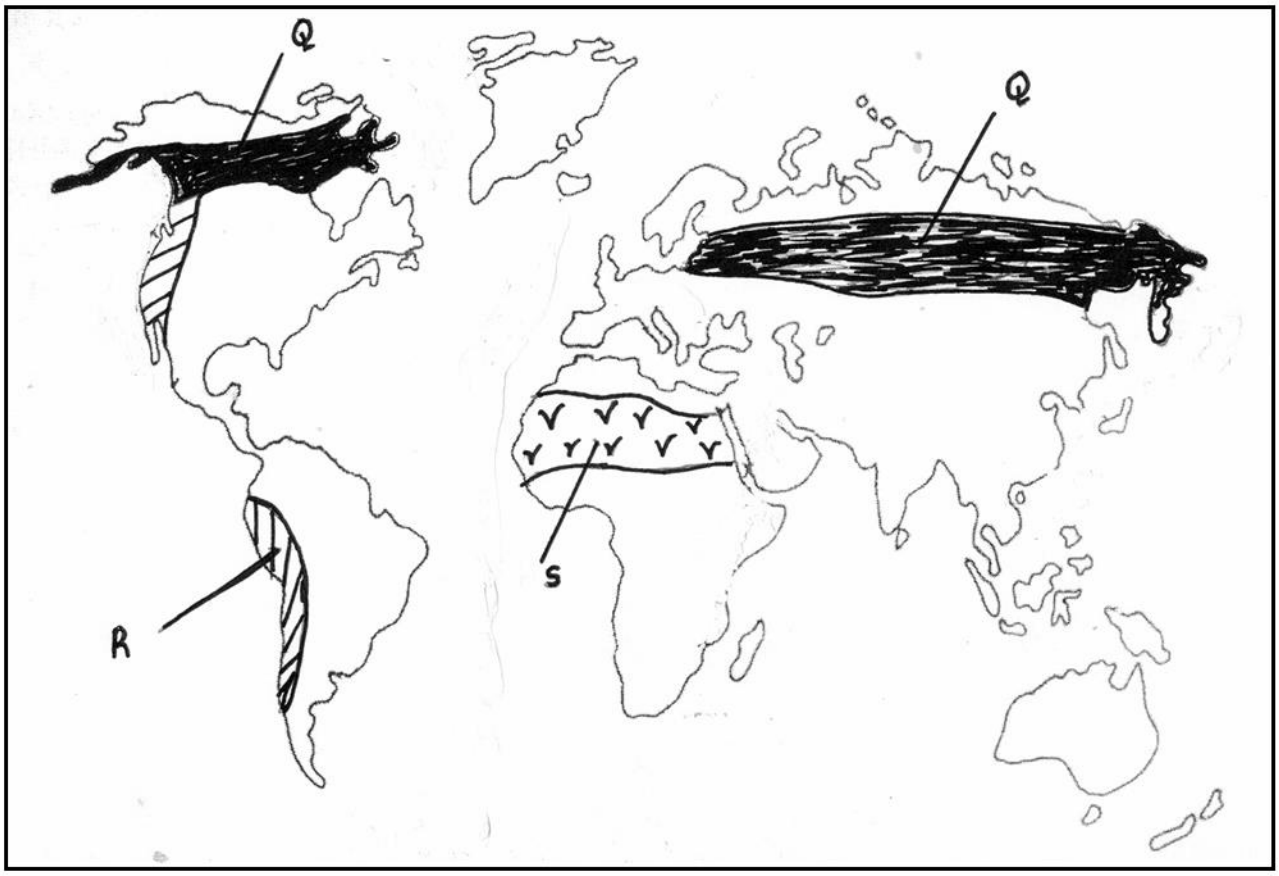
1 (a) What is glaciations? (1 mark)

(b) State **four** factors that determine the rate at which ice moves (4 marks)

2 (a) With the aid of a diagram, show how the earth moves around the sun (3 marks)

(b) State **two** effects of the earth's rotation. (2 marks)

3. Study the sketch world map below and answer the questions that follow.



a) Identify the type of vegetation zones marked Q, R and S.
   i) Q…….. (1mk)
   ii) R…… (1mk)
   ii) S…… (1mk)

b) Identify two types of tree species found in the area marked Q (2mks)

4. a) What is climate change? (1mk)

b) State four human causes of climate change. (4mks)

5. a) Differentiate between a spring and a well. (2mks)

b) Name three sources of underground water. (3mks)

SECTION B

*Answer Question **6** and any other **two** questions from this section*

Study the map of Kericho provided and answer the questions that follow.

6 a) i) Give the altitude of the lowest point in the area covered by the map. (1mk)

ii) From the map marginal information, give the magnetic variation as at January 1970. (2mks)

b) i) Using a scale of 1cm to represent 50m draw a cross-section between grid reference 540700 and 610700 on the cross-section show;
- a river
- motorable track (5mks)

ii) Calculate the vertical exaggeration of the cross-section. (2mks)

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

d) Citing evidence from the map describe the climate of the area covered by the map. (6mks)

e) Citing evidence from the map, name four economic activities carried out in the area covered by the map. (4mks)

7. a) What is aridity? (1mk)

b) State three reasons why wind is a major agent of land sculpture in the desert. (3mks)

c) With the aid of well labeled diagrams describe how the following features are formed.
i) Deflation hollow. (5mks)

ii) A barchan. (5mks)

d) Give three characteristics of a seif dune. (3mks)

e) Determine the factors influencing transportation of materials in the desert. (3mks)

f) You are undertaking a field study on desert landscape;
i) Identify three erosional features you could observe. (3mks)

ii) Give two reasons why you required a route map. (2mks)

8. a) Study the table below and answer the questions that follow. Fill in the blank spaces.

Original Rock	**Metamorphic** Rock
-	GNEISS
AUGITE	-
-	MARBLE

(3mks)

b) Name three types of rocks that are found in Western Kenya and Nyanza. (3mks)

c) Describe the formation of mechanically formed sedimentary rocks. (8mks)

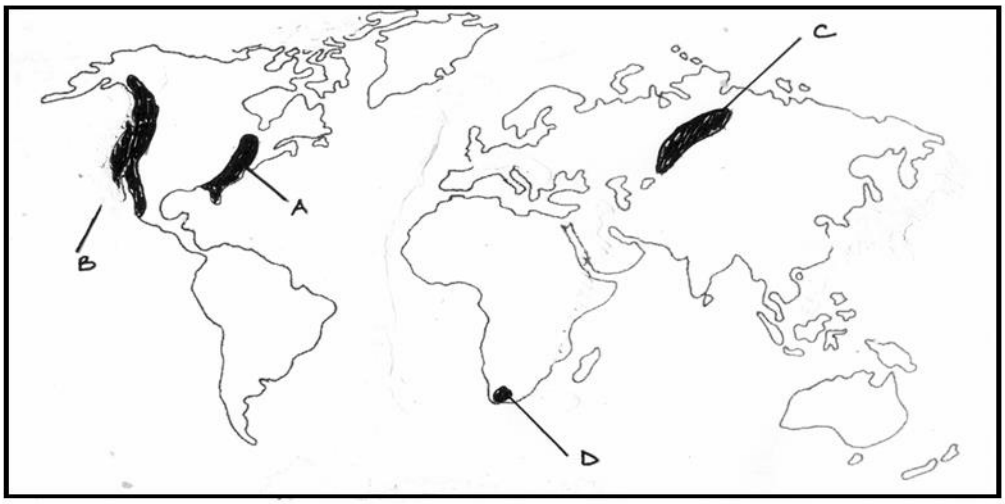
d) State six significances of rocks to man. (6mks)

e) You carried out a field work study on sedimentary rocks around your school.
i) Name two methods of data recording that you used. (2mks)

ii) What was the importance of the route map that you prepared? (3mks)

9. a) What is folding? (1mk)

b) Study the world map below and answer the questions that follow.



i) Name the Fold Mountains found in the area marked A, B, C, D.
A - (1mk)
B - (1mk)
C - (1mk)
D - (1mk)

c) Describe the formation of Fold Mountain under the following theories
i) Contraction theory (3mks)

ii) Convectional currents theory. (3mks)

d) Explain three significance of folding to both physical and human environment. (6mks)

e) Using diagrams describe the formation of rift valley by Tensional forces. (6mks)

f) Name two features resulting from faulting. (2mks)

10. a) i) Define the term mass – wasting. (1mk)

ii) Name three types of Rapid Mass wasting. (3mks)

b) Describe three ways in which soil creep occurs. (6mks)

c) Identify four underground features found in a Karst scenery. (4mks)

d) With the aid of a well labeled diagram, describe the formation of stalagmite. (6mks)

e) State five conditions necessary for the formation of a Karst scenery or Karstic .(5mks)