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GEOGRAPHY

Paper 1

2hrs 45mins

LAINAKU JOINT K.C.S.E. EXAMINATION TRIALS

MARCH 2015

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

INSTRUCTIONS TO CANDIDATES

(a) This paper consists of two sections A and B.

(b) Answer all questions in section A.

(c) Answer question 6 and any other TWO questions from section B

(d) All questions must be written in the answer sheets provided.

(e) Candidates must ensure that no question is missing.
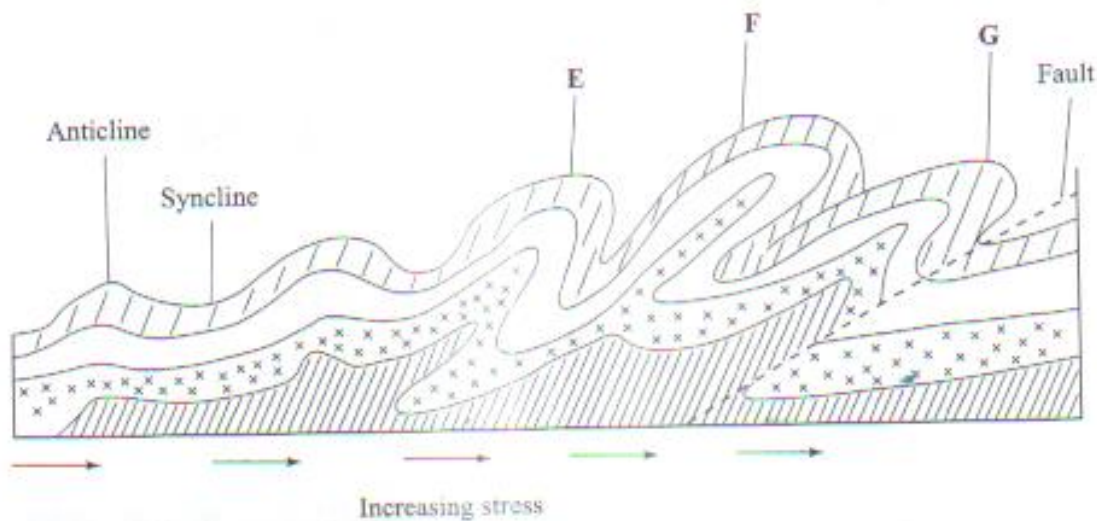
SECTION A

Answer all the questions in this   section .

Q1(a) Give two dates in a year when the earth experiences equal days and nights in both northern and southern hemisphere.   **(2mks**

(b) Supposing the local time in Lusaka, 31◦ E is 9.30pm, what time would it be at Greenwich Meridian?

                                                                                                                                             (2mks

Q2(a) The diagram below shows types of folds. Identify the types of folds marked E,F and G.   (3mks
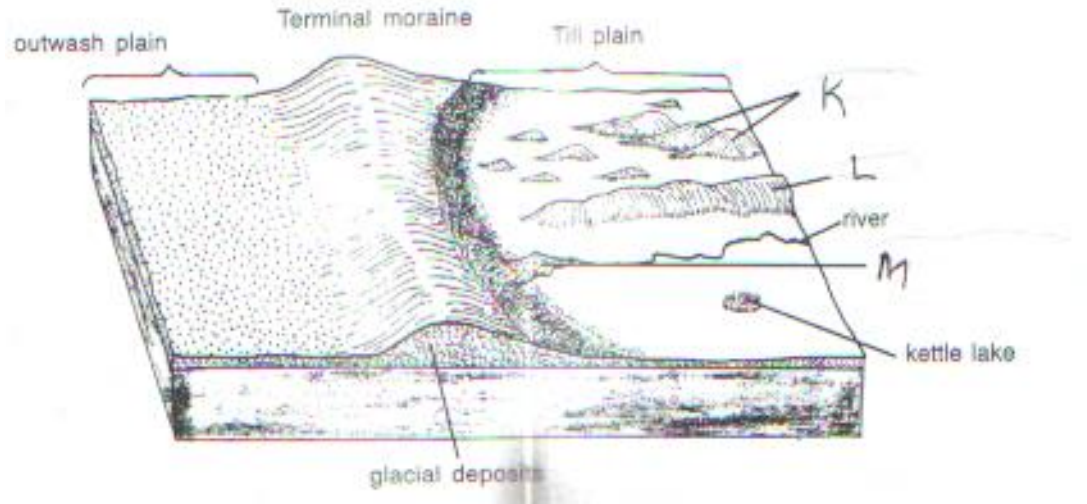

(b) Mention three theories which have been advanced to explain the origin of the fold mountains (3mks

Q3(a) What is a river divide?   (2mks

 (b)Give three processes by which a river transports its load   (3mks

Q4(a)   The diagram below shows a glaciated lowland area. Name the glacial features marked K,L and M.
                                                                                                                            (3mks

(b)Write two distinctive characteristics of a pyramidal peak. (2mks

Q5(a) Give three types of desert surfaces. (3mks

(b) Mention two processes through which wind erodes desert surfaces. (2mks

SECTION B
Answer question 6and any other TWO questions from this section

6. Study the map of Migwani 1:50,000 (sheet 151/1) provided and answer the following questions.

(a)(i) What was the magnetic variation of Migwani area by the time the map was made?   (2mks

(ii) Determine the height in metres of a hill at Kyome to the north west of the area covered by the map. (2mks

 (b)(i) Identify two man-made features found in grid square 1763 (2mks

(ii) Calculate the bearing of a school at Usiani from an Airphoto Principal point in grid square0071 (2mks)
(iii)Measure the distance of a road marked D 502 from a junction in grid square 9278 to the northern edge of the map (give your answer in km.) (2mks)

© Draw a rectangle measuring 15cm by 10cm to represent the area to the west of Easting 00and north of Northing 74.   (1mk

On the rectangle mark and name ;
-A trignometrical station
-An all weather road bound surface
-A dispensary at Nzeluni
-Mui Dam   (4mks

(d)(i) Explain three factors influencing the distribution of settlement in the area covered by the map   (6mks

 (ii) Giving evidence from the map identify two economic activities carried out in the area covered by the map.   (4mks

Qn 7(a) (i) What is a lake?   (2mks).

(ii)Give three examples of lakes in Kenya which have high levels of salinity.   (3mks)

(b) Explain three reasons why some lakes are fresh water.   (6mks)

©Describe how the following factors have affected lakes in Kenya.

.Farming.   (2mks

.Water need   **(2mks)**

.Industrialization   **(2nks)**

 (d) Your class intends to carry out a field study on lakes.

Give four reasons why it will be necessary to carry out a reconnaissance.   (4mks)

8. (a) Define the term faulting.   (2mks

ii) Apart from block mountains give three other relief features of faulting   (3mks)

b) With aid of well labeled diagrams describe how a block mountain is formed   (8mks)

c) Name four volcanic features found on the floor of East African rift valley   (4mks)

d) Explain four effects of faulting   (8mks)

Q9.(a) (i) Define _the term weathering (2 mks)

(ii)   Name three forms of chemical weathering (3 mks

        (b) Describe how the following factors causes biological weathering.

(i) Action of animals. (4mks

(ii) Action of plants. (4mks

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

(d) (i) Give **four** factors which cause soil creep. (4 mks)

(ii) Explain **three** effects of soil creep on physical and human environment. (6mks)

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

 (ii) Give three sources of underground water. (3mks)

(b) (i)Distinguish between permeable and porous rocks.

(2mks)

.

 (ii) Mention **two** features associated with underground water. (2mks)

(iii) The diagram below shows underground water system. Name the parts marked A,B and C.
(3mks)

© Explain **three** factors that affect the occurrence of underground water.   (6mks

d) A form three class went out for field study in a limestone area..
(i) Give three surface features they are likely to have observed.

(3mks

(ii) Draw a brief working schedule they may have used.   (4mks

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Paper 2

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INSTRUCTIONS TO CANDIDATES

(a) This paper consists of two sections A and B.

(b) Answer all questions in section A.

(c) Answer question 6 and any other TWO questions from section B

(d) All questions must be written in the answer sheets provided.

(e) Candidates must ensure that no question is missing.

SECTION A:

Answer all questions in this section

1. (a) Give three factors that favour coffee growing in Brazil   (3Mks)

    (b) Name two main diseases affecting coffee trees in Kenya   (2Mks)

2. (a) Mention three reasons why Kenya's rivers are not useful transport routes   (3Mks)

    (b) Give THREE reasons why road transport in Africa is better developed than railway transport   (3Mks)

3. (a) Explain why Kenya imports its oil in crude form   (3Mks)

    (b) Explain TWO problems that Kenya face as a result of overdependence on petroleum   (2Mks)

4.   (a) State THREE methods which are used in reclaiming Land in Kenya   (3Mks)

     (b) Mention TWO reasons that made the Gezira area suitable for an irrigation scheme.   (2 Mks)

5. (a) What is barter trade   (1Mk)

    (b) Name THREE major commodities that Kenya imports   (3Mks)

SECTION B

Answer question 6 and any other two questions

6. a. (i) Define Mining   (1Mk)

    (ii) List down THREE factors affecting exploitation of minerals   (3Mks)

    b   (i) Explain THREE ways in which Kenya has benefit from the mining of soda ash at lake Magadi (6Mks)

    (ii)Explain THREE negative effects of mining to the environment   (6Mks)

    c   Study the data in the table below and answer the questions that follows.

    East Africa: reading mineral production by value (Kshs million)

Mineral	Diamond	Soda Ash	Copper	Diatomite
2000	6989	4664	1968	180
2001	7515	3342	2619	636
2002	5577	229	2104	237
2003	6099	1417	2981	168
2004	6754	4647	3659	200

    (i)   Calculate the percentage increase in value of each mineral between the years 2003 and 2004   (4Mks)

    (ii)   On the grid provided, draw a comparative bar graph to represent the data in the table (5Mks)

7. (a) Name Two types of cattle breeds kept by nomadic pastoralists in Kenya(2Mks)

    (b) (i) Why do nomadic pastoralists in Kenya keep large herds of animals   (4Mks)

     (ii) State four problems facing nomadic pastoralist in Kenya   (4Mks)

    (c) State THREE factors influencing beef farming in Kenya   (3Mks)

    (d) (i) Explain four differences between beef cattle farming in Kenya and Argentina   (8 Mks)

    (ii)State four significance of beef farming in Kenya   (4Mks)

8 a   (i) Explain what you understand by the term, domestic tourism   (1Mk)

    (ii) Differentiate between a national park and a game reserve   (2Mks)

  b   (i) Explain three factors that have hindered the development of domestic tourism in Kenya   6Mks)

    (ii) Explain four problems associated with tourism in Kenya   (8Mks)

  c   Explain four reasons why Switzerland get more tourist than Kenya   (8 Mks).

 9 a   (i) Define the term fisheries   (1Mk)

    (ii) Differentiate Between fresh water fishing and marine fishing   (2Mks)

   b   (i) Mention THREE reasons why marine fisheries in Kenya are underdeveloped   (3mks)

    (ii) State THREE problems experienced in the marketing of fish in Kenya   (3Mks)

   c   (i) Explain four physical conditions which make Japan a major fishing ground   (8Mks)

    (ii) Explain four reasons why major fishing grounds of the world are located in the temperature latitudes of the northern hemisphere.   (8Mks)

10 a   (i) Define the term forest   (1Mk)

    (ii) Name THREE species of tropical hardwood forests in Africa   (3Mks)

   b   (i) State THREE characteristic of temperate softwood forests   (3Mks)

    (ii) Explain THREE problems facing forestry in Kenya   (6Mks)

     (iii) State three reasons why British Columbia is an important producer of soft wood   (3Mks)

  c You are required by your Geography Teacher to carry out a field study on the forest near your school.

    (i)   State three reasons why it would be necessary to visit the area before the day of the study. (3Mks)

    (ii)   Formulate three suitable objectives for the field study   (3Mks)

    (iii)   Explain three problems you would encounter on the field study.   (3Mks)