

312/1  
GEOGRAPHY  
PAPER 1  
JULY/AUGUST 2014  
TIME: 2  $\frac{3}{4}$  HOURS

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# KISUMU WEST DISTRICT JOINT EVALUATION EXAM

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

GEOGRAPHY  
PAPER 1

**INSTRUCTIONS TO CANDIDATES:**

- *This paper has **two** sections A and B*
- *Answer All questions in Section A, In section B answer question 6 and any other **two** questions.*
- *All answers must be written in the answer booklet provided.*

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

**SECTION A: (25 MARKS)**

*Answer all questions in this section*

1. (a) Identify the shape of the earth. (1mk)  
(b) State any **two** evidences that support the shape of the earth. (2mks)  
(c) The time at Conakry (Guinea) 10° W is 10.00am. What is the time at Mogadishu. (Somalia) 37°E. (2mks)
2. (a) Identify **two** types of high level clouds. (2mks)  
(b) Identify any **three** characteristics of troposphere. (3mks)
3. (a) Name **two** types of deltas (2mks)  
(b) State **three** conditions that may lead to the occurrence of river capture. (3mks)
4. (a) Name any **two** fold mountain building periods. (2mks)  
(b) Identify **one** fold mountain in each of the following three continents. (3mks)  
(i) Europe  
(ii) Africa  
(iii) Asia
5. (a) State **two** types of waves. (2mks)  
(b) Briefly describe the formation of a beach. (3mks)

**SECTION B (75 MARKS)**

*Answer question 6 and any other two questions from this section.*

6. Study the map of Kitale (1 : 50, 000) sheet 75/3 provided and answer the following questions.
- (a) (i) What is the index number of the adjoining sheet in the north of Kitale. (1mk)  
(ii) Identify **two** sources of water in the area covered by the map. (2mks)  
(iii) Using the marginal information, give the magnetic variation of the area when the map extract was drawn. (2mks)
- (b) (i) Identify **two** proof that the area receives high rainfall. (2mks)  
(ii) Calculate the area of the Kapolet forest in km<sup>2</sup>. (2mks)  
(iii) Describe **two** factors which has influenced settlement in the mapped area. (4mks)
- (c) (i) Draw an enlargement by 2 to represent the area bounded by Easting 29 and 33, and Nothing 11 and 14. (2mks)  
(ii) On the rectangle, mark and label the following features. (3mks)
  - Papyrus swamps
  - All weather roads loose – surface
  - River Koitobos.
- (iii) Citing evidence form the map, give **two** economic activities carried out in the mapped area. (3mks)

(iv) Calculate the scale root of enlarged map.

(2mks)

7. Use the climatic statistics for station **X** provided below and answer the question (a) that follow,

Month	J	F	M	A	M	J	J	A	S	O	N	D
Temp	27	28	28	28	28	26	26	23	26	28	28	27
Rain	28	46	102	150	269	260	279	64	140	206	67	25

(a) (i) Calculate the average monthly temperature for **X**. (2mks)

(ii) Calculate the monthly rainfall range. (2mks)

(iii) State the characteristics of the climate found at **X**. (5mks)

(b) (i) Give **three** reasons why wind is a dominant agent of erosion in hot deserts. (3mks)

(ii) List **three** features formed as a result of water action in the deserts. (3mks)

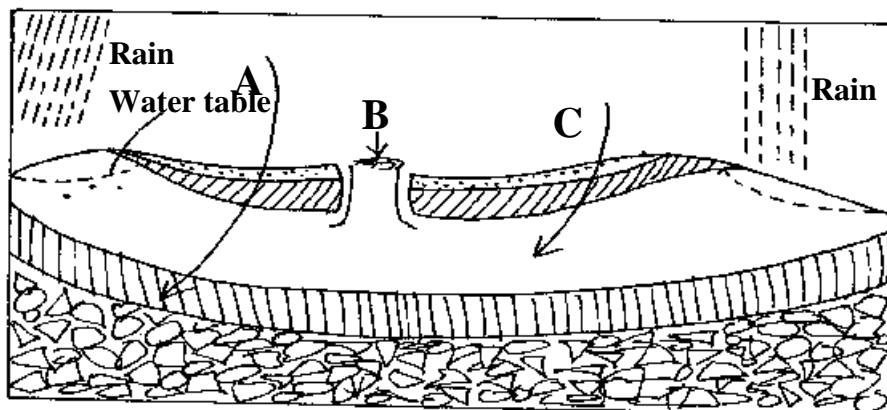
(c) (i) Explain **three** factors that influence wind deposition in deserts. (6mks)

(ii) State **four** ways in which the effects of climate change can be reduced. (4mks)

8. (a) (i) What is a spring? (2mks)

(ii) State any **four** conditions that may lead to the formation of a spring. (4mks)

(b) Use the diagram below to answer the questions that follow



(i) Name the parts marked **A**, **B** and **C**. (3mks)

(ii) Explain any **three** conditions that are ideal in the formation of the feature above. (6mks)

(iii) Identify **two** problems associated with the landform above. (2mks)

(c) (i) Name any **two** landforms due to chemical weathering. (2mks)

(ii) Briefly explain the formation of:

• Stalagmite (3mks)

• Doline (3mks)

(d) State any **three** significance of underground water (3mks)

9. (a) (i) Define glacier (2mks)

(ii) Briefly explain the process of the formation of glacier (6mks)

(b) (i) Explain **three** processes through which ice moves. (6mks)

(ii) Explain **three** factors which influence the speed of ice movement. (6mks)

(c) (i) Name **two** types of moraines (3mks)

(ii) Identify any **two** causes of glacial deposition. (2mks)

10. Below is a map of Africa showing vegetation zones. Use it to answer question 10 (a)



(a) (i) Identify the vegetation Zones marked **P**, **Q**, and **R**. (3mks)

(ii) State **five** characteristics of vegetation zone marked **Q**. (5mks)

(b) Explain how the following factors influence the distribution of vegetation.

(i) Altitude (3mks)

(ii) Human beings (3mks)

(c) (i) Distinguish between secondary and planted vegetation. (2mks)

(ii) Explain **two** ways through which vegetation contributes to the hydrological cycle. (4mks)

(iii) State **five** uses of mountain vegetation. (5mks)