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**KENYA NATIONAL EXAMINATION COUNCIL  
REVISION MOCK EXAMS 2016  
TOP NATIONAL SCHOOLS**

**STRATHMORE HIGH SCHOOL**  
**GEOGRAPHY**  
**Paper 1**

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# STRATHMORE SCHOOL TRIAL AND PRACTICE EXAM 2016

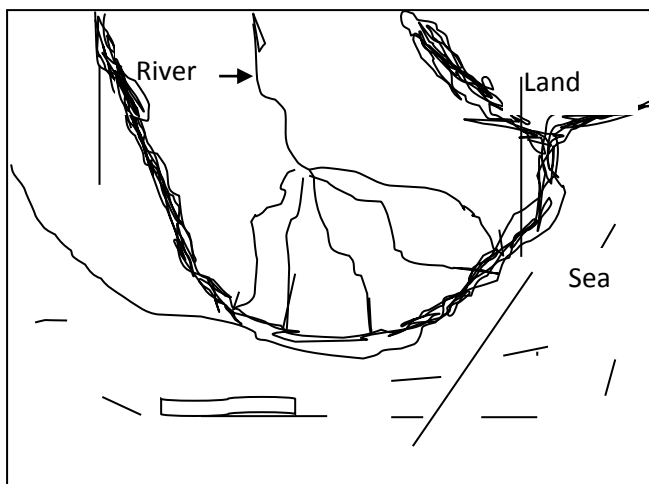
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GEOGRAPHY  
PAPER 1

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## SECTION A (25MKS)

### ANSWER ALL QUESTIONS.

- What is practical Geography. (1mk)
  - Explain briefly the centrality of Geography. (2mks)
  - Differentiate between a planet and a comet. (2mks)
- Using a well labeled diagram outline the formation of a rift valley by **tension theory**. (5mks)
- What is climate change? (1mk)
  - State two natural courses of climate change. (2mks)
  - Outline two characteristics of the **Inter Tropical Convergence Zone**. (2mks)
- Define a Catchment area. (1mk).
  - List two stages of hydrological cycle. (2mks).
  - Name two importance of water vapour in the atmosphere. (2mks).
- Study the diagram below and answer the questions that follow.



- Give the specific name of the feature above. (1mk)
- List two factors necessary for the above feature to be formed. (2mks)
- Differentiate between Effluent rivers and Influent rivers. (2mks)

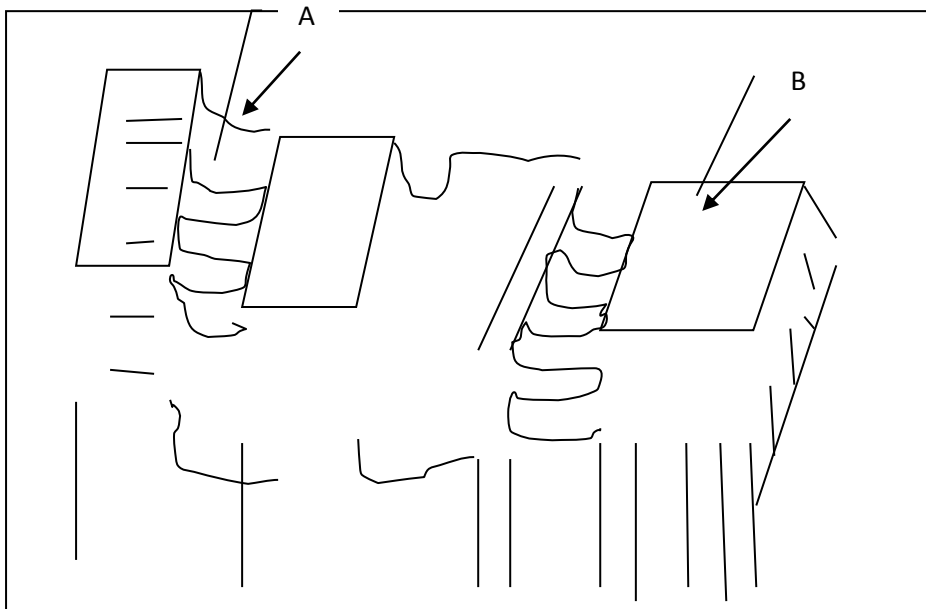
## SECTION B

### Answers question six (6) and any other two (2) questions from this section.

- Study the map of karatina, 1:50000 sheet (121/3) provided and answer the following questions.

- (a.) i) Identify one human activity found at grid square 9252 (1mk)  
 ii) Give six figure grid reference of Chieni settlements (1mk).  
 iii) Measure the distance of the dry weather road(T3851)from grid square 940519 to grid square 934554. Give your answer in Kilometers.(2mks).
- (b.) i) Using a scale of 1cm to represent 20metres, draw a cross section from grid reference 860500 to grid reference 890460 (4mks).  
 ii) On the cross section mark and name the following. (2mks)
- River Hahwe.
  - Gatitu cattle dip.
- iii) Calculate the vertical exaggeration (VE) of the cross section. (2mks)
- (c) (i) Describe the drainage of the area covered by the map (3mks)  
 (ii) What is the magnetic bearing of Kabiruini cattle dip at grid square 8756 from Ndunduini School at grid square 8659 in the year 2014. (4mks)  
 (iii) Identify the type of settlement pattern between grid square 9050 and grid square 9148. (1mk)
- (d) (i) Give the latitudinal extent of the area covered by the map. (2mks)  
 (ii) Identify two types of scales on the map (2mks)  
 (iii) What type of map is Karatina sheet? (1mk)
7. (a.) i). Distinguish between **Underground water** and **Magmatic water**. (3mks)  
 ii). List three factors that influence the occurrence of underground water. (3mks)  
 iii). Identify two (2) sources of underground water. (2mks)

(b) Study the diagram below and answer the questions that follow.



- i) Name the features labeled A and B. (2mks)  
 ii) List two factors that influence the formation of the above features. (2mks)  
 iii) Briefly describe how feature A is formed. (3mks).
- (c). Students of Subukia Secondary Schools made a field study of underground features in Karst Scenery.
- (i). Suggest a suitable title for their study. (2mks)  
 (ii). Apart from **Karst bridge, Karst windows, Stalagmites** and **stalactites**, name other Two features they may have come across. (2mks)

- (iii). List two characteristics of the Karst scenery they identified. (2mks)
- (d). Discuss two significance of resultant features in limestone areas to human activities. (4mks)
8. (a). i) Differentiate between an ocean and a sea. (2mks)
- ii) Identify two forms in which oceanic water moves horizontally. (2mks)
- iii) List two types of tides. (2mks)
- (b). i) Identify **One** factor that influence the development of coasts. (1mk)
- ii) Draw a well labeled feature of a **cusate foreland**. (3mks)
- iii) Explain how the feature is formed. (2mks)
- (c). i) Briefly distinguish between **Submerged Coasts** and **Emerged Coasts**. (4mks)
- ii) Discuss **Darwin's** theory on the origin of Barrier reefs. (4mks)
- (d). i) What is a wave? (1mk)
- ii) Explain two types of waves responsible for sculpturing the coastal features. (4mks)
9. a) i) Define desertification. (1mks)
- ii) State two types of hot deserts. (2mks)
- iii) Explain three ways in which wind erodes in the desert. (6mks)
- b) With well labeled diagrams describe how the following desert features are formed.
- i) Rock pedestal (5mks)
- ii) Mushroom block (5mks)
- c) Explain three importance of desert features to man. (6mks)
10. (a) Name three man-made lakes in Kenya. (3marks)
- (b) Explain why some Rift Valley lakes in Kenya are salty. (6marks)
- (c) Describe how the following types of lakes are formed.
- (i) Crater lakes. (4marks)
- (ii) Ox-bow lakes. (4marks)
- d) Explain four advantages of lakes to human activities. (8marks)