

**312/1**  
**GEOGRAPHY**  
**PAPER 1**  
**JULY/AUGUST 2015**  
**TIME: 2¾ HOURS**

**CENTRAL KENYA NATIONAL SCHOOLS JOINT MOCK - 2015**

**Kenya Certificate of Secondary Education**  
**GEOGRAPHY**  
**PAPER 1**  
**TIME: 2¾ HOURS**

**INSTRUCTIONS TO CANDIDATES:**

- (a) This paper has **two** Sections **A** and **B**.
- (b) Answer all the questions in Section **A**.
- (c) In Section **B**, answer question **6** and any other **two** questions from Section **B**.
- (d) All answers must be written in the answer booklet provided.

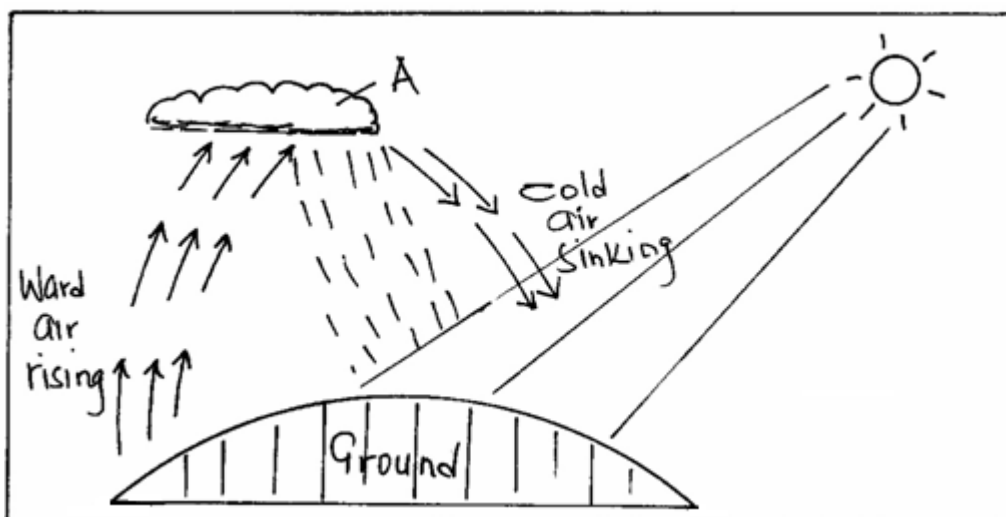
Geography Paper 1

Turnover

**SECTION A: (25 MARKS)**

Answer **all** questions from this section.

1. (a) What is the relationship between Geography and Physics. (2 marks)  
(b) Name the **three** main layer at the atmosphere from the earths surface upwards. (3 marks)
2. (a) Name **three** types of coral reefs. (3 marks)  
(b) What are the benefits of coral reefs in the areas they have developed? (2 marks)
3. The diagram below show the formation of some type of rainfall.  
Use it to answer question (a) and (b).



- (a) (i) Name the type of rainfall shown by this diagram. (1 mark)  
(ii) Name the type of cloud marked (A). (1 mark)
- (b) List **three** weather conditions associated with the above name (a) type of rainfall. (3 marks)
4. (a) (i) State the plate tectonic theory. (1 mark)  
(ii) State **one** feature formed when:  
(i) Tectonic plates move towards each other. (1 mark)  
(ii) The plates move away from each other at the boundary. (1 mark)
- (b) State **three** effect of climate change. (3 marks)
5. (a) What is a lake? (2 marks)  
(b) Identify **two** reasons why most lakes within the Rift Valley are salty? (2 marks)

**SECTION B: (75 MARKS)**

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

6. Study the map of Migwani 1:50000, (Sheet 151/1) provided and answer the following questions.  
(a) Citing evidence from the map, name **three** hydrographic features. (3 marks)

- (b) Draw a rectangle measuring 10cm by 8cm to represent the area enclosed by Easting 90 and 00, and Northings 62 and 70. (1 mark)

*Geography Paper 1*

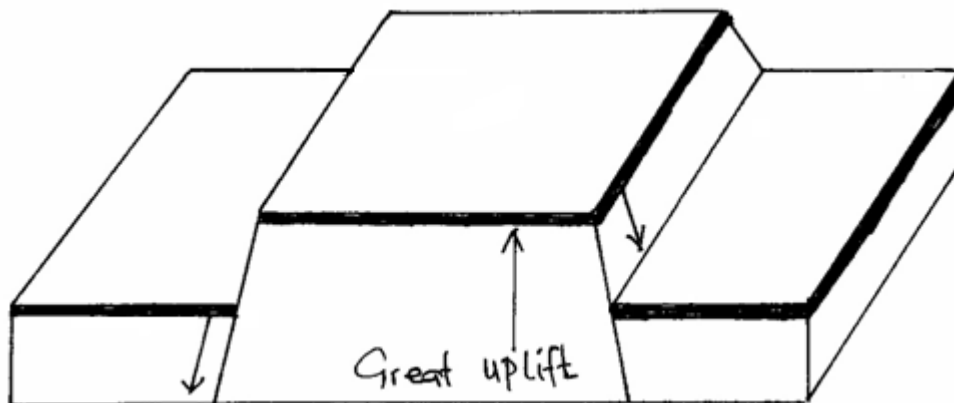
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On the rectangle, mark and name the following features.

- (i) Musenyo School. (1 mark)
- (ii) Road E742. (1 mark)
- (iii) Kitui Hills. (1 mark)
- (c) (i) Describe the relief of the area covered by the map. (4 marks)
- (ii) Citing evidence from the map, state **three** social services offered at Mutito trading centre. (3 marks)
- (d) Students of a school at Itoloni carried a field study at Gwani town.
- (i) Name **two** types of road they used to travel to Gwani. (2 marks)
- (ii) Name **one** man-made feature they found on the way to Gwani. (1 mark)
- (iii) State **three** functions at Gwani town they identified. (3 marks)
- (e) Describe **five** characteristics of the long profile of river Ikoo. (5 marks)
7. (a) (i) Differentiate between rocks and minerals. (2 marks)
- (ii) Give **three** ways in which rocks can be classified. (3 marks)
- (b) (i) Name **one** example at each of the following types of sedimentary rocks.
- Chlorides. (1 mark)
- Arenaceous. (1 mark)
- Carbonaceous. (1 mark)
- (ii) Describe how sedimentary rocks are formed through physical processes. (4 marks)
- (c) (i) State **three** changes that occur in rocks during metamorphism. (3 marks)
- (ii) Give **two** reasons why sedimentary rocks are dominant along the Kenyan Coasts. (2 marks)
- (d) Students from Buma School carried a field study on rocks in their county.
- (i) State **three** reasons why it would be necessary for them to conduct a reconnaissance to the study area. (3 marks)
- (ii) Give **two** methods they used to record data. (2 marks)
- (iii) State **three** importance of rocks they identified. (3 marks)
8. (a) In aid of a well labelled diagrams describe the formation of the rift valley by tension. (8 marks)
- (b) The diagram below represents a feature formed by faulting.

Use it to answer the question that follow.



- (i) Name the feature represented by the above diagram. (1 mark)
  - (ii) Describe the formation of the above mentioned feature. (5 marks)
- (c) You are supposed to carry out a field study in an area affected by faulting.
- (i) Apart from the Rift Valley name **three** other features that you are likely to identify. (3 marks)
  - (ii) State **two** methods you will use to collect data. (2 marks)
  - (iii) Explain **three** economic benefits of faulting they are likely to identify. (6 marks)
9. (a) (i) What is a desert? (2 marks)
- (ii) Name **two** types of deserts landscapes. (2 marks)
- (b) Describe how wind transport materials on the desert surface using the following processes.
- (i) Surface creep. (2 marks)
  - (ii) Saltation. (2 marks)
- (c) Using well labelled diagram(s) explain how Barchan is formed. (8 marks)
- (d) You intend to carry out a field study in an arid area near your school.
- (i) State **two** reasons for carrying out a pre-visit. (2 marks)
  - (ii) Apart from Brarchan state **three** depositional features they are likely to have identified. (3 marks)
  - (iii) State **four** positive effects of deserts features to man that you are likely to identify. (4 marks)
10. (a) (i) Define term soil conservation. (2 marks)
- (ii) State **two** methods that assist in soil conservation. (2 marks)
- (b) Explain how the following factors influence the soil formation.
- (i) Climate. (3 marks)

- (ii) Topography. (3 marks)
- (c) (i) Describe how laterisation occurs. (4 marks)
- (ii) State **two** ways in which humus improves the quality of soil. (2 marks)
- (iii) State **four** characteristics of desert soils. (4 marks)
- (d) (i) Describe how gulley erosion occurs. (3 marks)
- (ii) State **two** economic uses soils. (2 marks)

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**GEOGRAPHY**

**PAPER 2**

**JULY/AUGUST 2015**

**TIME: 2¾ HOURS**

**CENTRAL KENYA NATIONAL SCHOOLS JOINT MOCK - 2015**

**Kenya Certificate of Secondary Education**

**GEOGRAPHY**

**PAPER 2**

**TIME: 2¾ HOURS**

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- (a) This paper has **two** Sections **A** and **B**.
- (b) Answer all the questions in Section **A**.
- (c) In Section **B**, answer question **6** and any other **two** questions from Section **B**.
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## Geography Paper 2

Turnover

**SECTION A: (25 MARKS)**Answer **all** questions from this section.

1. (a) Define the term transhumance. (2 marks)  
(b) State **three** characteristics of nomadic pastoralism. (3 marks)
2. State **five** factors which influence nucleated settlement pattern. (5 marks)
3. (a) What is a cottage industry? (2 marks)  
(b) Give **three** reasons why the government of Kenya encourages the establishment of Jua Kali Industries. (3 marks)
4. (a) What is air pollution? (2 marks)  
(b) State **three** negative effects of uncollected garbage on the environment. (3 marks)
5. (a) Name **two** main reclamation projects in the Netherlands. (2 marks)  
(b) State **three** reasons for reclaiming swamps in Kenya. (3 marks)

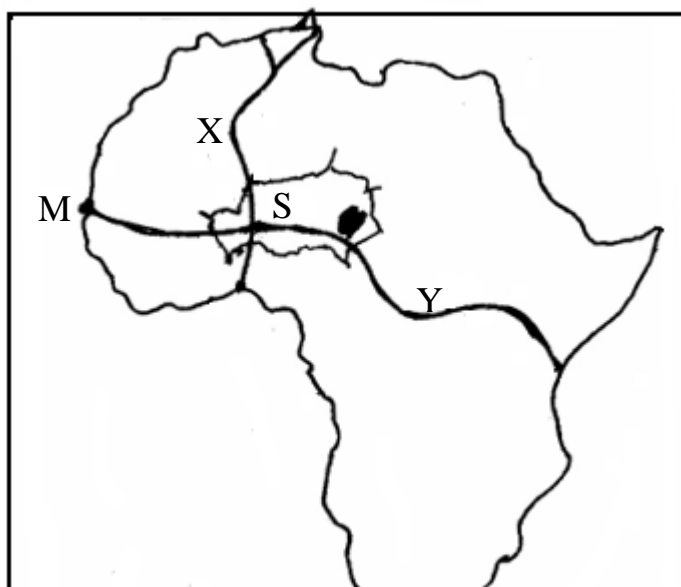
**SECTION B: (75 MARKS)**Answer question **6** and any other **two** questions from this section.

6. The table below gives the figures for the 2009 population census per county for the central region of Kenya.

COUNTY	POPULATION
Kiambu	1623282
Murang'a	942581
Nyeri	693558
Nyandarua	596268
Kirinyaga	528054

- (a) (i) Besides bar graphs, name three other methods that can be used to represent the above data. (3 marks)  
(ii) Draw a simple bar graph to represent the data in the table above. Use a scale of 1cm to represent 200,000 persons. (6 marks)  
(iii) State **four** advantages of using bar graphs to represent statistical data. (4 marks)
- (b) Calculate the population density for Kiambu County, given that its area is 2543.4 square kilometers. (2 marks)
- (c) Give **two** reasons why census is necessary. (2 marks)
- (d) Explain **four** reasons for the high population density in Kiambu County. (8 marks)

7. (a) (i) What is reforestation? (2 marks)  
 (ii) State **four** reasons why afforestation should be encouraged in Kenya. (4 marks)
- (b) (i) Name **two** main exotic softwood trees grown in Kenya. (2 marks)  
 (ii) State **five** characteristics of softwood forests in Canada. (5 marks)
- (c) Explain **three** problems which hinder the Kenya government's effort to manage and conserve her forests. (6 marks)
- (d) Compare forestry in Kenya and Canada under the following headings:-  
 (i) Transportation of the logs. (2 marks)  
 (ii) Felling of trees. (2 marks)  
 (iii) Tree species. (2 marks)
8. (a) (i) What is sedentary farming? (2 marks)  
 (ii) Name **three** main types of agriculture. (3 marks)
- (b) (i) Name **four** horticulture farms in Kenya. (4 marks)  
 (ii) State **five** reasons for growing flowers under green houses. (5 marks)
- (c) Name **three** vegetable horticultural crops grown in Kenya. (3 marks)
- (d) Explain **four** reasons why horticulture farming is more developed in the Netherlands than in Kenya. (8 marks)
9. (a) (i) Name **three** modes of transport in Kenya. (3 marks)  
 (ii) State **four** problems facing communication in Kenya. (4 marks)
- (b) Explain **four** advantages of rail transport over road transport. (8 marks)
- (c) Use the map of Africa below to answer the following questions.





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- (i) Name the highways marked **X** and **Y**. (2 marks)
- (ii) Name the port marked **M**. (1 mark)
- (iii) Name the country marked **S**. (1 mark)
- (d) (i) Give **two** reasons why it is difficult to transport goods from Mombasa to Lagos by road. (2 marks)
- (ii) State **four** efforts that have been made to improve transport in Africa. (4 marks)
10. (a) (i) Define international trade. (2 marks)
- (ii) Name **three** major imports from Europe to Kenya. (3 marks)
- (b) States **four** factors that influence external trade in Kenya. (4 marks)
- (c) Explain **four** ways through which Kenya will benefit from renewed East African Co-operation. (8 marks)
- (d) Explain **four** negative effects of international trade. (8 marks)

