

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

**KIRINYAGA CENTRAL SUB-COUNTY JOINT EXAMINATION 2015**

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

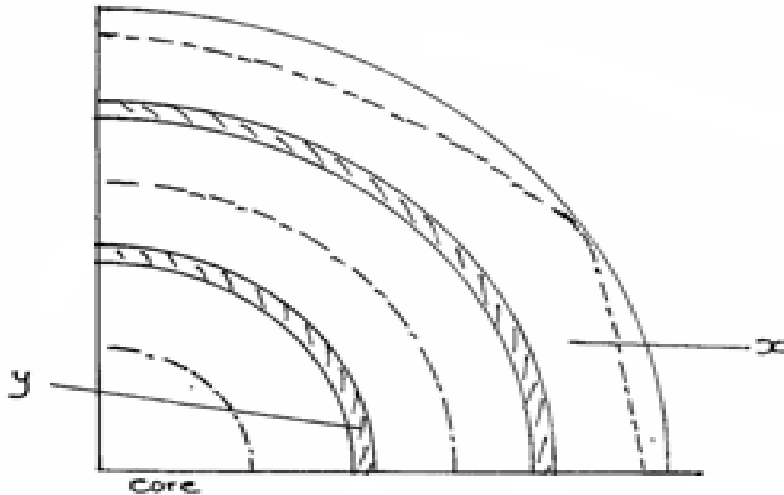
**INSTRUCTIONS TO CANDIDATES:**

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

**SECTION A:**

Answer **all** questions from this section in the spaces provided.

1. (a) The diagram below shows the internal structure of the earth. Use it to answer the question below.



Name the parts marked **X** and **Y**. (2 marks)

- (b) State **two** characteristics of the troposphere. (2 marks)
2. (a) Give **two** factors that may be considered when classifying the clouds. (2 marks)
- (b) State **one** characteristic of Katabatic wind. (1 mark)
3. (a) Identify **three** processes of wind erosion in desert areas. (3 marks)
- (b) State **three** factors that influence the development of karst sceneries. (3 marks)
4. (a) What is weathering. (2 marks)
- (b) Describe the following weathering processes.
- Exfoliation. (3 marks)
  - Carbonation. (3 marks)
5. (a) Give **two** examples of slow mass movement. (2 marks)
- (b) State **two** conditions that are ideal for the formation of a delta. (2 marks)

**SECTION B: MAPWORK**

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

6. Study the map of Migwani (Sheet 151/1) provided and answer the questions that follow.
- (a) (i) What is the bearing of Usiani School (grid reference 951681) from the trigonometrical station (grid reference 936749) (2 marks)
- (ii) Measure the distance in kilometers of the dry weather road D503. (2 marks)
- (iii) Calculate the area to the West of all weather road bound surface in kilometers. (2 marks)
- (b) Draw a rectangle of 14cm by 10cm to represent the area between easting 05 and 12 and northing 63 and 68. (1 mark)
- In it mark
- Ridge. (1 mark)
  - Ikoo river. (1 mark)
  - Dry weather road D509. (1 mark)
- (c) (i) Give **two** methods that have been used to represent relief in the area covered by the map. (2 marks)
- (ii) Describe the drainage of the area covered by the map. (6 marks)
- (iii) Giving evidences state **two** economic activities carried out in the area covered by the map. (4 marks)
- (iv) Identify **three** social activities carried out in the area covered by the map. (3 marks)
7. (a) (i) Name **three** types of rocks according to their mode of formation. (3 marks)
- (ii) Mention **three** areas where sedimentary rocks are found in Kenya. (3 marks)
- (b) (i) State **four** characteristics of sedimentary rocks. (4 marks)
- (ii) Describe the formation of mechanically formed sedimentary rocks. (5 marks)
- (c) Explain **five** significance of rocks to the economy of Kenya. (10 marks)

8. (a) (i) Differentiate between faulting and folding. (2 marks)  
(ii) Name **two** types of folds. (2 marks)
- (b) Describe **three** theories that explain the formation of Fold Mountains. (9 marks)
- (c) Students from Kar School intends to conduct a field study on land forms around their school.  
(i) State **two** objectives of their study. (2 marks)  
(ii) What is the importance of a reconnaissance trip to the students? (2 marks)  
(iii) List any **two** methods they would use to present their data. (2 marks)
- (d) Explain **three** significance of Fold Mountains. (6 marks)
9. (a) (i) Name **two** examples of man-made lakes in Kenya. (2 marks)  
(ii) List **three** external land forming processes that leads to the formation of lakes. (3 marks)
- (b) Describe how the following lakes are formed.  
(i) Ox-bow lake. (4 marks)  
(ii) Moraine dammed lake. (3 marks)  
(iii) Lakes formed by solution. (3 marks)
- (c) State **two** reasons why some lakes are salty. (2 marks)
- (d) Explain **four** economic importances of lakes. (8 marks)
10. (a) (i) What is underground water? (2 marks)  
(ii) Give **two** sources of underground water. (4 marks)
- (b) (i) Name **two** underground features of a karst region. (2 marks)  
(ii) Describe how an uvala is formed. (3 marks)
- (c) Explain **three** conditions necessary for the development of karst scenery. (6 marks)
- (d) Explain **four** significance of underground water. (8 marks)



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**GEOGRAPHY**

**PAPER 2**

**JULY/AUGUST 2015**

**TIME: 2¾ HOURS**

## **KIRINYAGA CENTRAL SUB-COUNTY JOINT EXAMINATION 2015**

**Kenya Certificate of Secondary Education**

**GEOGRAPHY**

**PAPER 2**

**TIME: 2¾ HOURS**

### **INSTRUCTIONS TO CANDIDATES:**

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

**SECTION A:**

Answer **all** questions from this section in the spaces provided.

1. (a) Give **two** characteristics of horticultural farming. (2 marks)
- (b) Name **three** main tea growing areas in the Eastern Kenya Highlands. (3 marks)
2. (a) What is a population pyramid? (2 marks)
- (b) Give **three** ways on how the government of Kenya can reduce infant mortality. (3 marks)
3. (a) What is industrial inertia? (2 marks)
- (b) Give **three** examples of cottage industries in Kenya. (3 marks)
4. (a) Apart from flooding name **two** other natural hazards experienced in Kenya. (2 marks)
- (b) Identify **three** ways through which water is polluted. (3 marks)
5. (a) Name **two** tourist attractions found in Kenya Rift Valley of Kenya. (2 marks)
- (b) State **three** problems experienced by the Kenya Government in its effort to conserve wildlife. (3 marks)

**SECTION B:**

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

6. (a) Identify three agricultural food processing industries in Kenya. (3 marks)
- (b) The data below shows the quantity of tea processed from various counties in the years 2010 – 2012 in tones. Use it to answer the questions that follow.

County	2010	2011	2012
Kiambu	4600	200	300
Kericho	2000	3700	3800
Murang'a	980	1000	200

Source: Statistical abstract.

- (i) Using a scale of 1cm to rep 500 tonnes draw a comparative bar graph to represent the data to that above. (8 marks)
- (ii) State factors that favoured the location of oil refining industry in Mombasa. (4 marks)
- (c) (i) Explain the significance of the industrial sector in Kenya. (6 marks)
- (ii) Explain **two** economic importances of using mobile phones in promoting trade in Kenya. (4 marks)
7. (a) State **three** physical conditions that favour large scale sugarcane farming in Kenya. (3 marks)
- (b) Explain the cultivation of sugarcane from preparation of land to the harvesting stage. (6 marks)
- (c) Explain **five** problems facing sugarcane farming in Kenya. (10 marks)
- (d) Your class visited a sugar factory for a field study on sugar processing.
- (i) Name **four** stages that they observed in sugar processing. (4 marks)
- (ii) Name **two** by-products of sugar that they may have identified. (2 marks)
8. (a) Distinguish between transport and communication. (2 marks)
- (b) Highlight how the following factors influence transport and communication.
- (i) Physical factors. (2 marks)
- (ii) Political factors. (2 marks)
- (iii) Economic factors. (2 marks)
- (iv) Technology. (2 marks)
- (c) Name **five** great lakes that make up the St. Lawrence Sea Way. (5 marks)
- (d) What is a road by-pass. (1 mark)
- (e) Give **five** roles of transport and communication in Africa. (5 marks)
9. (a) Define the following terms:-
- (i) Regional trade. (1 mark)
- (ii) Bilateral trade. (1 mark)
- (b) State **three** reasons for trade barrier. (3 marks)



- (c) Explain **three** measures that can be used to correct unfavourable balance of trade. (6 marks)

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- (d) (i) Give **three** factors that promote internal trade. (3 marks)
- (ii) State **four** problems facing internal trade in Kenya. (4 marks)
- (e) (i) Name **one** trading bloc in Africa of which Kenya is a member. (1 mark)
- (ii) Explain **three** benefits of trading blocs to the economies of African countries. (6 marks)
10. (a) What is a settlement. (2 marks)
- (b) Explain **four** physical factors that influence settlements. (8 marks)
- (c) State **four** factors that led to the development of Kisumu as a town. (4 marks)
- (d) Name **three** functions of Kisumu town. (3 marks)
- (e) Explain **four** ways in which urbanization benefits a country. (8 marks)

