

312/1
GEOGRAPHY
PAPER 1
JULY/AUGUST-2015
TIME: 2 $\frac{3}{4}$ HOURS

KAKAMEGA CENTRAL SUB - COUNTY JOINT EVALUATION EXAM-2015
Kenya Certificate of Secondary Education (K.C.S.E.)

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

INSTRUCTIONS TO CANDIDATES

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

This paper consists of 4 printed pages.

Candidates should check the question paper to ascertain all the pages are printed as indicated

And no questions are missing.

SECTION A(25MARKS)

Answer all questions in this section

Answer all questions in this section

1. State the effects of the following on the shape of the earth
 - a) Centripetal force (1mk)
 - b) Centrifugal force (1mk)
 - c) Force of gravity (1mk)

2. a) Name the components of the atmosphere (3mks)
b) What is the temperature inversion (2mks)

3. a) Apart from water give three components of soil (3mks)
b) State **four** importance of water in the soil. (4mks)

4. What is the hydrological cycle? (2mks)
 - b) State **three** benefits of the hydrological cycle. (3mks)
 - c.) Name **two** sources of water in hydrological cycle (2mks)

5. Name **three** types of coral reefs (3mks)

SECTION B

Answer Question 6 and any other two questions from this section

6. a) Study the map of Migwani 1:50:000 (sheet 151/1) and answer the following questions
 - i) What is the four figure grid reference of the trigonometrical station at Kamutotya (2mks)
 - ii) Give the bearing of the trigonometrical station in grid square 9374 from Usioni school in grid square 9568 (2mks)
 - iii) Measure the distance of the dry weather road D503 from the junction (P.O) at Yoonye to grid square 0964 (Give your answer in m)
 - b) (i) Name **two** natural vegetation found in the areas represents by the map (2mks)
ii) Citing evidence from the map give two social activities carried out in the area covered by the map (4mks)
iii) Name **two** natural feature fond at the distribution of settlement in the area covered by the map (6mks)
 - c) Explain **three** factors which have influenced the distribution of settlement in the area covered by the map (6mks)
 - d) Describe the drainage of the area covered by the map (5mks)
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7. a) State **four** factors that influence the rate of river erosion (4mks)
b) Explain **three** processes through which a river transports its load. (6mks)
c) Describe the formation of braided channels (6mks)
d) You are required to carry out a field study of a river.
 - i) State **five** ways in which you would prepare for the study (5mks)

- ii) State **four** methods you would use to collect information in the field. (4mks)
- 8.(a) i. Differentiate between the process of formation of plutonic rocks and volcanic rocks (2mks)
- ii) Describe how sedimentary rocks are formed mechanically (5mks)
- iii) State **three** characteristics of sedimentary rocks (3mks)
- b) i) Explain **three** processes of metamorphism (6mks)
- ii) For each of the following rocks name the resultant rock that forms after metamorphism sandstone
- a) Sandstone (1mk)
- b) Limestone (1mk)
- c) Granite (1mk)
- d) Basalt (1mk)
- e) State **five** uses of rocks (5mks)
9. a) i) State **three** tectonic forces that cause faulting. (3mks)
- ii) Apart from block mountain name three features resulting from faultings (3mks)
- b) With the aid of a diagram describe the formation of a horst mountain by tensional forces. (5mks)
- c) Students from your school carried out a field study on a faulted landscape.
- i) Give **two** reasons why they carried out a pre-visit study. (2mks)
- ii) Give **four** reasons why the students held a discussion before the study (4mks)
- iii) Explain **four** positive effects of faulting to human activity (8mks)
10. a) i) What is the meaning of denudation (2mks)
- ii) Give **three** factors that influence the rate of weathering (3mks)
- b) How does the process of granular disintegration cause weathering (5mks)
- c) i) Name four processes of mass wasting (4mks)
- ii) State **three** factors that trigger rapid mass wasting (3mks)
- d) Explain **four** effects of mass wasting on the environment (8mks)

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PAPER 2
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312/2
GEOGRAPHY
PAPER 2
JULY/AUGUST-2015
TIME: 2 ¾ HOURS

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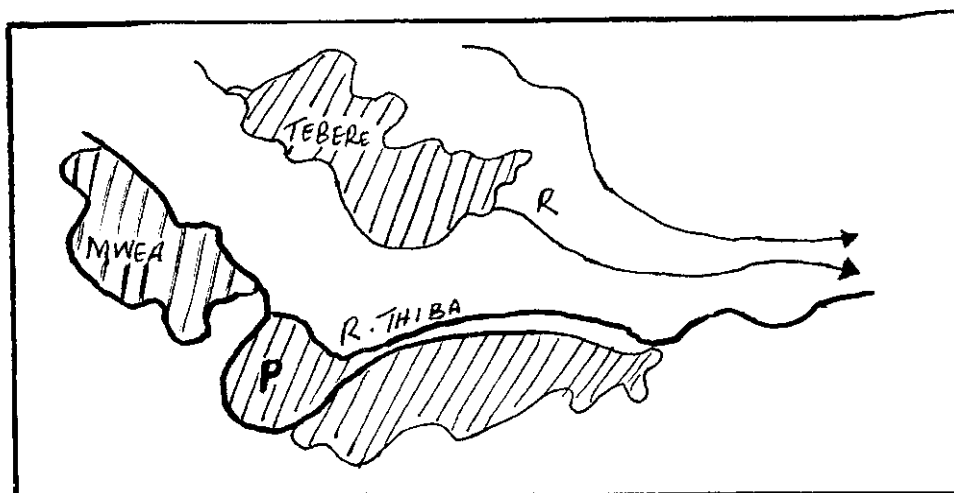
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SECTION A(25MARKS)

Answer all questions in this section

1. Give three reasons why it is important to study geography (3mks)
2. a) Name **two** land surfaces that are reclaimed in Netherlands (2mks)
- b) Use the diagram to answer question b)



3. Name the river marked R and the irrigation scheme marked P. (2mks)
 - a) State **two** nets used in seining fishing method (2mks)
 - b) Give **three** reasons why the Kenyan Coastal water is not rich in fish (3mks)
4. a) Identify **two** types of internal trade (2mks)
 - b) Give **three** factors that limit trade among the member states of the Common Market for Eastern and South Africa (COMESA)
5. a) List **three** environmental hazards associated with climatic conditions (3mks)
 - b) State **five** problems caused by windstorms in Kenya (5mks)

SECTION B

Answer question 6 and any other two questions in this section

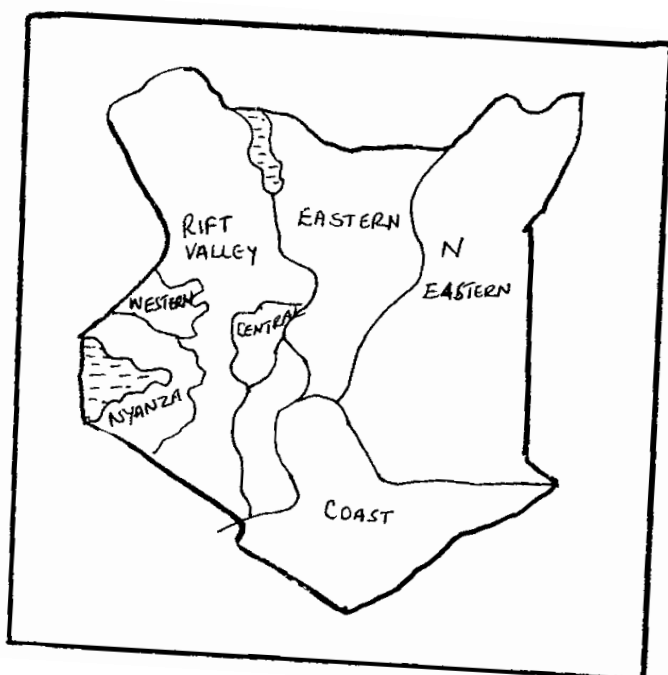
Use the data given below to answer questions a and b

PROVINCE	AREA (MK ²)	NO. OF DAIRY ANIMALS
Rift Valley	182539	1652000
Central	13220	855000
Eastern	153473	344000
North Eastern	128124	—
Nairobi	696	17000
Coast	82816	73000

Nyanza	12547	216000
Western	8264	152000

Source – KARI (Kanya Agricultural Research Institute)

- a) i) What is the total dairy animals in the East of Rift Valley (2mks)
 - ii) Calculate the distribution density of dairy animals in each province (4mks)
 - b) i) Using the chrophleth method show the distribution of dairy animals in Kenya (10mks)
- [the map of Kenya is provided.]



- ii) Give **three** factors which favour beef farming in the Nyika Plateau (3mks)
 - c) Explain **three** reasons why horticulture farming is encouraged in Kenya. (6mks)
7. a) i) What is energy (2mks)
- ii) Name **three** non –renewable sources of energy other than petroleum. (3mks)
- b)i) State **three** factors which favoured the location of Owen Falls Dam in Uganda (3mks)
- ii) Explain **three** ways in which Uganda has benefited from the development of Owen Falls Dam. (6mks)
- c) i) State **three** problems associated with the development of energy in Kenya (3mks)
- ii) Give any **four** causes of energy crisis in the World (4mks)

d) Study the map of Africa below and answer the following question.



ii) Name the power stations marked **K,L,M,** and **N** (4mks)

HYDROELECTRIC POWER PROJECTS IN AFRICA

What is eco-tourism in Kenya (5mks)

b) i) Give **four** tourist attractions found at the coast of Kenya (4mks)

ii) State **five** problems associated with tourism in Kenya. (5mks)

c) State **four** ways in which games reserves are of benefit to the communities living near them. (4mks)

d) Explain the differences between tourism in Kenya and Switzerland. (10mks)

9.a)i) Name **three** agricultural non- food processing industries in Kenya (3mks)

ii) State for ways in which Kenya has benefited from the motorbike –vehicle industry. (4mks)

b) Explain **three** problems arising from industrialization in Kenya (6mks)

c) Explain **three** factors which influenced the location of iron and steel industry in the rural region of Germany in the 19th C. (6MKS)

d) You intend to carry out a field study of a furniture- making industry in the local market centre

i) State **two** reasons why it would be necessary for you to visit the area of study in advance. (2mks)

ii) For your field study you have prepared a work schedule state two items you would include in the schedule (2mks)

- iii) Give **two** advantages of studying about furniture through field work (2mks)
10. a)i) Differentiate between internal and regional trade. (2mks)
- ii) List **three** major exports from Kenya to European Union (EU) (3mks)
- b) Give **four** reasons why the southern African Development cooperation (SADC) was formed (4mks)
- c) Explain **four** problems facing trade in Kenya (8mks)
- d) Explain how the future of internal trade in Kenya can be improved (8mks)