

FORM 4 END TERM 1 EXAMS GEOGRAPHY

Class of KCSE March 2022.

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Name Adm no..... class.....

312/1

GEOGRAPHY

Paper 1

End Term One

Time: 2 $\frac{3}{4}$

HOURS

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

INSTRUCTIONS TO CANDIDATES

- This paper has Two sections: A and B
- Answer ALL the question in section A.
- In section B answer question 6 and any other two questions
- All answer must be written in the spaces provided
- Candidates should check the question paper to ascertain all pages are printed

SECTION A

Answer all questions in section A.

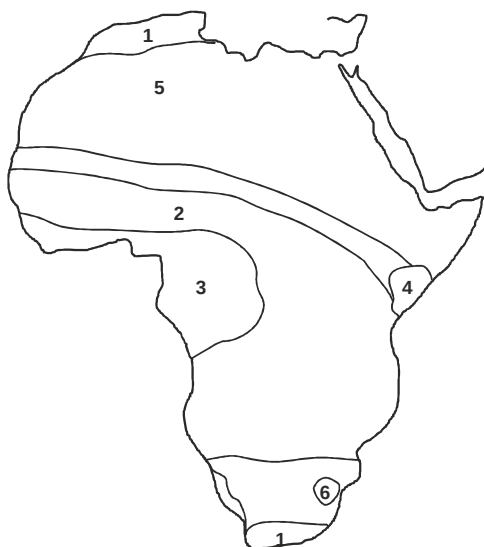
1. (a) State two major areas covered under physical geography. (2 marks)
(b) State two reasons why interior of the earth is very hot. (2 marks)
2. (a) What is a line of longitude? (2 marks)
(b) What is the local time at Alexandria 30°E when the local time at Malindi 40°E is 12.00 noon? (2 marks)
3. (a) State three causes of earth movement. (3 marks)
(b) Name two main earthquake zones in the world. (2 marks)

4. (a) Name three features found on emerged highland coast .(3 marks)
 (b) State three conditions necessary for the formation of a spit. (3 marks)
5. (a) Highlight any three factors that necessitate the occurrence of an artesian basin. (3 marks)
 (b) Apart from lakes, rivers and sea, name any other two sources of underground water. (3 marks)

SECTION B

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

6. Study the map of Yimbo provided below and answer the questions that follow.
- (a) (i) Name two countries covered by Yimbo (2mks)
 (3 marks)
- (ii) What is the bearing of Trigonometrical station in grid square 3285 from trigonometrical station in 3980. (2 marks)
- (iii) convert the ratio scale 1:50000 used in the map to linear scale. (2mks)
- (b) (i) Give latitudinal extend of the area covered by the map. (2mks)
- (ii) What is the magnetic variation of the map as at now (year 2020) (2 marks)
- (iii) Identify three human made features found in the grid square 3691 (3mks)
- c) Describe the drainage of the area covered by the map. (6mks)
- d) Giving evidence from the map. Explain three reasons why dairy keeping is not practiced in the area covered by the map. (6mks)
7. (a) (i) Distinguish between earth rotation and earth revolution (2 marks)
 (ii) State three effects of earth's revolution (3 marks)
- (b) (i) Give four characteristics of mesosphere in the structure of the atmosphere (4 marks)
 (ii) Describe the origin of continents according to continental drift theory (4 marks)
- (c) (i) Explain three proofs that the earth is spherical (6 marks)
- (d) Using a well labeled diagram, describe the occurrence of lunar eclipse (6marks)
8. (a) Study the map of Africa showing the main climatic regions marked 1,2,3,5 and 6.



- (i) Name the climatic regions labeled 1,2 and 5. (3 marks)
 - (ii) State five characteristics of the climatic regions labeled 5. (5 marks)
 - (iii) Name three factors that influence the climatic region labeled 1 (3 marks)
- (b)
 - (i) Name three water towers in Kenya. (3 marks)
 - (ii) Give five measures being taken to conserve forests in Kenya. (5 marks)
- c) Describe six vegetation adaptations in Sahara and Namib. (6 marks)
- 9. (a) Differentiate between mass wasting and weathering. (2 marks)
- (b)
 - (i) Apart from soil creep, name two other processes of slow mass movement. (2 marks)
 - (ii) Explain three causes of soil creep. (6 marks)
 - (iii) Explain three physical conditions that influence landslides. (3 marks)
- c) Describe the following processes of mass wasting.
 - (i) Rock fall. (2 marks)
 - (ii) Subsidence (2 marks)
 - (iii) Mud flows (2 marks)
- (d) Explain the effect of weathering on the following.
 - (i) Tourism (2 marks)
 - (ii) Agriculture (2 marks)
 - (iii) Pottery. (2 marks)
- 10. (a)
 - (i) Define the term glaciation. (2 marks)
 - (ii) Name three types of glaciers. (3 marks)
- (b) Describe how the following features found in upland glaciated landscapes are formed.
 - (i) U-Shaped valley (5 marks)
 - (ii) Pyramid peak. (5 marks)
- c) Explain three significance of upland glaciated features to human activities. (6 marks)
- (d) Suppose you were to carry out a field study of a glaciated lowland.
 - (i) State two advantages of using oral inter views to collect information during the field study. (2 marks)
 - (ii) Name two features found in glaciated lowlands that you are likely to study. (2 marks)

NAME.....CLASS.....ADM.....

312/2
GEOGRAPHY
Paper 2
End Term 1
2 ¾ Hours

Kenya Certificate of Secondary Education (K.C.S.E)
312/2
GEOGRAPHY
Paper 2
2 ¾ Hours

INSTRUCTIONS TO CANDIDATES

- a) This paper consists of **TWO** Sections **A and B**.
- b) Answer all questions in section **A**.
- c) Answer **6** and any other **TWO** questions from section **B**.
- d) All questions must be written in the answer sheets provided
- e) This paper consists of **4** printed pages.
- f) Students should check the question papers to ensure that all pages are printed as indicated and no questions are missing.

SECTION A

1 a) Name **two** horticultural crops grown in Kenya

(2mks)

- b) State **three** reasons why horticulture is more developed in the Netherlands than in Kenya. (3mks)
- 2 a) Name two breeds of dairy cattle reared in Kenya (2mks)
- b) State three factors which favour dairy farming in Denmark (3mks)
- 3 a) Name two conditions that are necessary for the formation of petroleum (2mks)
- b) List three ways in which opencast mining affects the environment. (3mks)
- 4 a) State three physical conditions that favour sugar cane growing in the lake Victoria basin in Kenya (3mks)
- b) State two problems experienced in sugar cane farming in Kenya (2mks)
- 5 a) State **two** characteristics of the cottage industry in India. (2mks)
- b) Name **three** agricultural non-food manufacturing industries in Kenya. (3mks)

SECTION B

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

6. The table below shows four principal crops produced in Kenya in the years 2000 - 2001. Use it to answer question (a) and (b).

CROP	AMOUNT IN	METRIC TONS
	2000	2001
Wheat	70,000	130,000
Maize	200,000	370,000
Coffee	98,000	55,000
Tea	240,000	295,000

Source: Central Bureau of statistics

- a)(i) Using a scale of 1 cm to represent 50,000 metric tons, draw a comparative bar graph based on the data above. (8mks)
- (ii) State two advantages of using comparative bar graphs (2mks)

b) Calculate the percentage increase in wheat production between the years 2000 and 2001. (2mks)

c) State five physical conditions required for the growing of tea in Kenya (5mks)

d) Explain four problems experienced in small scale tea farming in Kenya (8mks)

7a) (i) Define the term tourism. (2mks)

(ii) Name three tourist attractions found in the Rift valley province of Kenya. (3mks)

b) Explain three factors which hinder the development of domestic tourism in Kenya. (6mks)

c) Explain three problems experienced by the Kenya government in its effort to conserve wildlife. (6mks)

d) Explain four factors which have made Switzerland a major tourist destination in Europe. (8mks)

8 a) Differentiate forestry and afforestation. (4mks)

b) i) Give three soft wood trees which grow in the forest reserves of Canada. (3mks)

ii) State four characteristics of planted forests in Kenya. (4mks)

c) Compare forestry in Kenya and Canada under the following sub-topics

- Growth (2mks)

- Harvesting (2mks)

- Marketing (2mks)

d) State four measures taken by the Kenyan government to conserve forest. (4mks)

e) The students of Mawego mixed secondary school are planning to carry out a field study on forestry in wire forest in Homabay County.

i) State two objectives for their study. (2mks)

ii) Formulate two hypotheses for their study. (2mks)

- 9(a) (i) Define the term fisheries (2mks)
- (ii) Name two countries in Southern Africa that are important for marine fish production (2mks)
- (b) Explain four factors that favor the fishing industry in Japan (8mks)
- (c) Describe purse seining as a method of fishing (6mks)
- (d)(i) State four problems experienced in the marketing of fish in Kenya (4mks)
- (ii) State three ways in which the Kenya Government is promoting the fishing industry in the country (3mks)
- 10 (a)(i) Name **two** geothermal power stations in Kenya (2mks)
- (ii) Explain three physical factors that influence the location of Geothermal power stations (6mks)
- (b)(i) State **three** negative effects of energy crisis (3mks)
- (ii) Explain **four** measures taken by the Kenyan Government to manage and conserve energy (8mks)
- (c)(i) State **three** challenges facing energy management in Kenya (3mks)
- (ii) State **three** disadvantages of natural gas (3mks)