

KCSE 2024 REGIONAL MOCKS

GEOGRAPHY

*The PDF Comprises of A Compilation of 4
Top Joint National Mocks Administered
across the 47 Counties for KCSE Class of
November 2024*

For Marking Schemes:

Call/ Text/ Whatsapp

0724333200/0795491185/

0768321553

Mr Machuki

Or

Visit or website

www.kenyaeducators.co.ke

KENYA EDUCATORS CONSULTANCY

Table of Contents

1.	Nairobi & Central Joint National mocks 2024
2.	Nyanza & Western Joint National mocks 2024
3.	Coastal & Eastern Joint National mocks 2024
4.	Rift Valley & North Eastern Joint National mocks 2024

Confidential!!!

Success to all KCSE 2024 Candidates

KENYA EDUCATORS CONSULTANCY

MINISTRY OF EDUCATION (KNEC COMPLIANT)

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

DATE.....

SIGNATURE.....

312/1

GEOGRAPHY Paper 1

Class of KCSE 2024

Time: 2¾ hours

THE NAIROBI & CENTRAL REGIONS KCSE

JOINT NATIONAL MOCK 2024

Kenya Certificate of Secondary Education (KCSE)

312/1

GEOGRAPHY Paper 1

INSTRUCTIONS TO CANDIDATES

- This paper has *two* sections: A and B
- Answer ALL the questions in section A.
- In section B, answer questions 6 and any other TWO questions.
- All the answers must be written on the foolscaps provided after page 4.
- Candidates must answer the questions *in English*.

FOR EXAMINER'S USE ONLY

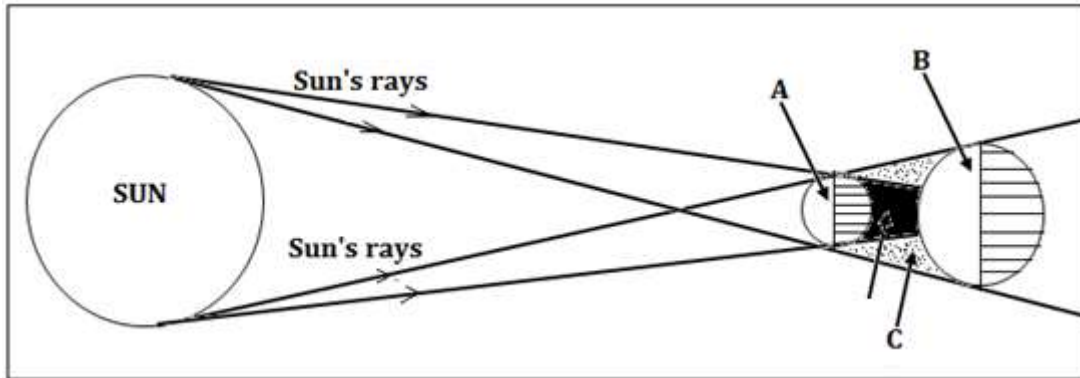
Section	Questions	Maximum Score	Candidate's Score
A	1 - 5	25	
B	6	25	
		25	
		25	
Total Score			

This paper consists of 4 printed pages. Candidates should check the question paper to ascertain that all pages are printed as indicated and that no questions/pages are missing.

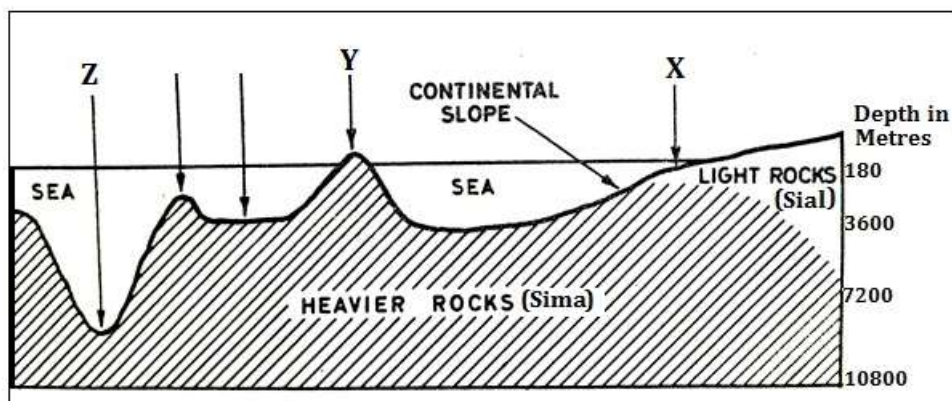
MINISTRY OF EDUCATION (KNEC COMPLIANT)

SECTION A

1. The diagram below shows a type of an eclipse.



- (a) Name the parts marked A, B, and C. (3 marks)
- (b) Apart from the occurrence of eclipses, state **three** other effects of the movement of the earth round the sun. (3 marks)
2. (a) What are metamorphic rocks? (2 marks)
- (b) Give **two** examples of organically formed sedimentary rocks. (2 marks)
3. (a) List **three** landmasses that formed from Gondwanaland according to continental drift theory. (3 marks)
- (b) Give **two** types of tectonic plate boundaries. (2 marks)
4. (a) What is an earthquake? (2 marks)
- (b) State **three** natural causes of earthquakes. (3 marks)
5. The diagram below shows some features that form ocean relief.



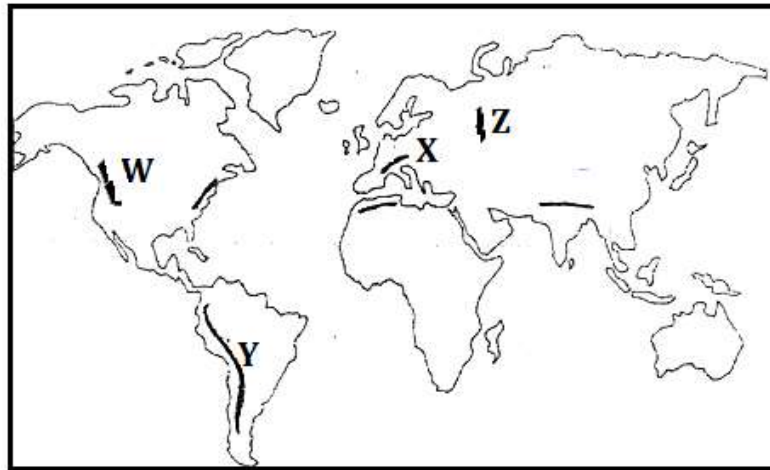
- (a) Identify the features marked X, Y and Z. (3 marks)
- (b) List **two** main forms of horizontal movements of ocean water. (2 marks)

MINISTRY OF EDUCATION (KNEC COMPLIANT)

SECTION B

6. Study the map of Kijabe (1:50,000 sheet 134/3) provided and use it to answer the following questions.
- (a) (i) Determine the sixfigure grid reference of an air photo principal point near the South Western corner of the map. (2 marks)
 - (ii) Give **two** types of scale on the map extract (2 marks)
 - (iii) Give the position of the South Eastern corner of the area covered by the map by latitude and longitude. (2 marks)
 - (b) (i) Citing evidence from the map, give **three** settlement patterns in the area covered by the map. (3 marks)
 - (ii) Identify **two** relief features at grid square 3099. (2 marks)
 - (iii) Explain how relief has influenced the distribution of settlements in the area covered by the map. (4 marks)
 - (c) Citing evidence from the map, give **five** economic activities carried out in the area covered by the map. (5 marks)
 - (d) Describe the distribution of natural vegetation in the area covered by the map. (5 marks)
7. (a) (i) Differentiate between weather and weather climate. (2 marks)
- (ii) Give **three** types of rainfall. (3 marks)
- (b) Explain how the following factors affect the climate of a place:
- (i) Cold ocean currents. (4 marks)
 - (ii) Inter Tropical Convergence Zone. (2 marks)
- (c) With the aid of a well labelled diagram, describe how sea breeze occurs. (8 marks)
- (d) Suppose you were to carry out a field study at a weather station:
- (i) Give **three** methods that they would use to collect data (3 marks)
 - (ii) State **three** follow up activities for the field study. (3 marks)
8. (a) (i) Define the term folding. (2 marks)
- (ii) Name **three** types of folds. (3 marks)
- (b) The world map below shows the distribution of some fold mountains. Use it to answer question (i)

MINISTRY OF EDUCATION (KNEC COMPLIANT)



- (i) Identify the fold mountains marked W, X, Y and Z (4 marks)
- (ii) With the aid of well labelled diagrams, how Fold Mountains were formed. (10 marks)
- (c) Explain **three** negative effects of Fold Mountains (6 marks)
9. (a) (i) What is a karst scenery? (2 marks)
- (ii) State **five** characteristics of karst landscapes. (5 marks)
- (b) Give **four** sources of ground water. (4 marks)
- (c) Explain how the following factors influence the occurrence of ground water:
- (i) Nature of rocks. (2 marks)
- (ii) Slope of land. (2 marks)
- (iii) Vegetation cover. (2 marks)
- (d) Explain **four** conditions that favour the development of an artesian well. (8 marks)
10. (a) (i) What is glaciation? (2 marks)
- (ii) Outline **four** factors which determine the rate at which ice moves. (4 marks)
- (b) Apart from a cirque, name **four** other glacial erosional features. (4 marks)
- (c) Using well-labelled diagrams, describe how a cirque is formed. (8 marks)
- (d) Students of Nanyuki High School carried out a field study on glaciation

MINISTRY OF EDUCATION (KNEC COMPLIANT)

on Mt. Kenya

- (i) Give **three** reasons why they conducted a reconnaissance.
(3 marks)
- (ii) State **two** factors they must have considered when selecting the
data collection methods. (2 marks)
- (iii) Give **two** activities they may have been involved in during the
study. (2 marks)

MINISTRY OF EDUCATION (KNEC COMPLIANT)

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

DATE.....

SIGNATURE.....

312/2

GEOGRAPHY Paper 2

Class of KCSE 2024

Time: 2¾ hours

THE NAIROBI & CENTRAL REGIONS KCSE

JOINT NATIONAL MOCK 2024

Kenya Certificate of Secondary Education (KCSE)

312/2

GEOGRAPHY Paper 2

INSTRUCTIONS TO CANDIDATES

- This paper has *two* sections: A and B
- Answer ALL the questions in section A.
- In section B, answer questions 6 and any other TWO questions.
- All the answers must be written on the foolscaps provided after page 4.
- Candidates must answer the questions *in English*.

FOR EXAMINER'S USE ONLY

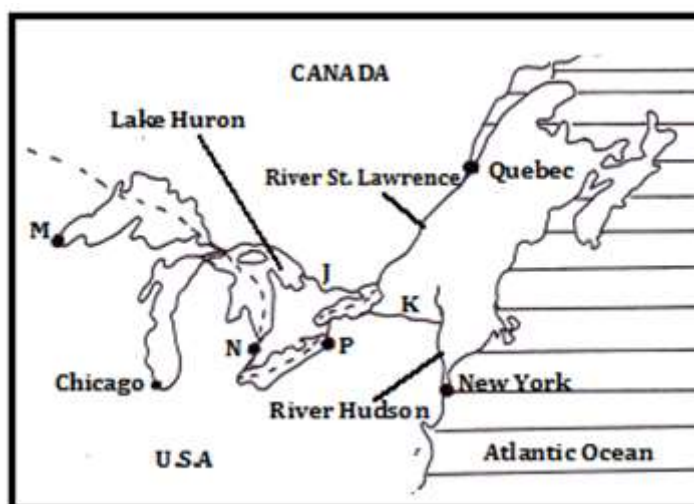
Section	Questions	Maximum Score	Candidate's Score
A	1 - 5	25	
B	6	25	
		25	
		25	
Total Score			

This paper consists of 4 printed pages. Candidates should check the question paper to ascertain that all pages are printed as indicated and that no questions/pages are missing.

MINISTRY OF EDUCATION (KNEC COMPLIANT)

SECTION A

2. (a) What is management of forests? (2 marks)
(b) State three reasons why agroforestry is encouraged in Kenya. (3 marks)
2. (a) Name **two** categories of agricultural processing industries in Kenya. (2 marks)
(b) State **three** similarities between the cottage industry of India and the Jua Kali industry in Kenya. (3 marks)
3. (a) Differentiate between settlement and urbanization. (2 marks)
(b) State **four** characteristics of central business district of a town. (4 marks)
4. (a) Name **two** types of environment. (2 marks)
(b) State **three** consequences of water pollution. (3 marks)
5. The map below shows the Great Lakes and St. Lawrence Seaway. Use it to answer question (a) and (b).



- (a) Name the canals marked J and K. (2 marks)
(b) Name the towns marked M and N. (2 marks)

MINISTRY OF EDUCATION (KNEC COMPLIANT)

SECTION B

6. Study the table below and use it to answer questions (a) and (b)

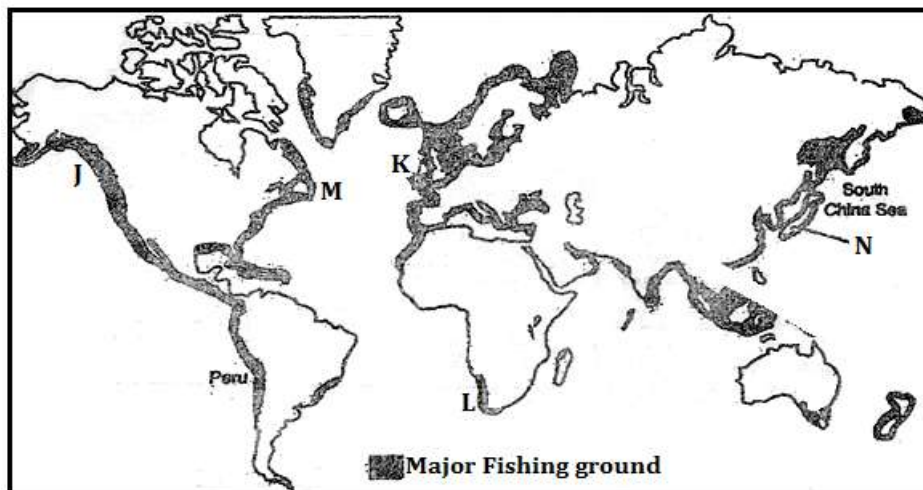
Value of leading imports to Kenya from 2015 to 2019 (Ksh million)

IMPORT	2016	2017	2018	2019
Industrial machinery	253,500	238,400	252,400	257,600
Petroleum products	183,800	234,900	295,100	307,500
Iron and Steel	75,500	83,600	97,700	104,100

- (a) (i) What is the difference between the value of petroleum products imports between year 2018 and year 2016? (2 marks)
- (ii) Calculate the percentage increase between the value of industrial machinery imported between year 2017 and the year 2019.(2 marks)
- (b) (i) Apart from comparative bar graphs, give **three** other statistical methods that can be used to present the data in the table. (3 marks)
- (ii) Using a vertical scale of 1cm to represent Ksh 30 Billion, draw a comparative bar graph to present the data in the table. Use the graph paper provided. (9 marks)
- (c) State **three** advantages of using comparative bar graphs to present statistical data. (3 marks)
- (d) Explain **three** reasons for low volume of trade between the countries in Africa. (6 marks)
7. (a) (i) Define the term mining? (2 marks)
- (ii) Give four methods of underground mining. (4 marks)
- (b) Explain how the following factors influence mining:
- (i) Level of technology (4 marks)
- (ii) Quality of the ore (2 marks)
- (c) Explain **four** benefits of trona mining at Lake Magadi to Kenya.(8 marks)
- (d) State **five** negative effects of mining on the environment. (5 marks)
8. (a) (i) State **three** physical factors that favour tea growing in Kericho County. (3 marks)

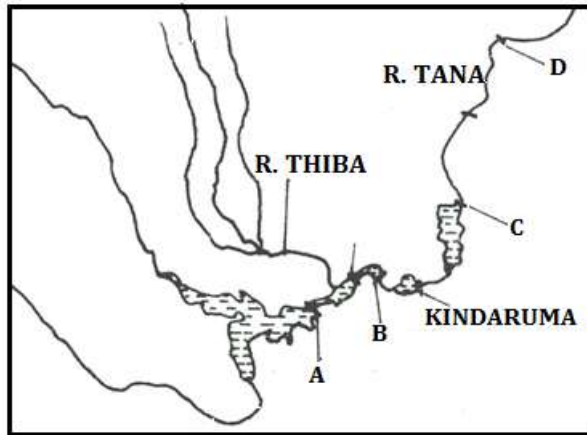
MINISTRY OF EDUCATION (KNEC COMPLIANT)

- (ii) Describe the stages involved in tea processing at the factory. (7 marks)
- (b) Outline **three** ways in which tea is marketed in Kenya. (3 marks)
- (c) Explain **three** physical problems facing small scale tea farmers in Kenya. (6 marks)
- (d) Your Geography class carried out a field study on a tea plantation.
- (i) Give **three** reasons why it is important to prepare a route map of the area. (3 marks)
- (ii) State **three** methods that the class would have used to present data. (3 marks)
9. The map below shows the major fishing grounds of the world. Use it to answer question (a) (i), (ii) and (iii)



- (a) (i) Name the fishing ground marked J,K,L and M (4 marks)
- (ii) Name **the two** ocean currents that converge at region M (2 marks)
- (iv) Explain **three** physical factors that have favoured fishing in country N. (6 marks)
- (b) (i) Describe how trawling as a method of fishing is carried out. (5 marks)
- (ii) Explain **four** measures being undertaken in Kenya to reduce overfishing of the natural water fisheries (8 marks)
10. (a) (i) Name **three** non-renewable sources of energy. (3 marks)
- (ii) State **four** advantages of solar energy. (4 marks)
- (b) The diagram below shows the Kenya's hydroelectric power stations along River Tana.

MINISTRY OF EDUCATION (KNEC COMPLIANT)



- (i) Name the H.E.P stations marked **A**, **B** and **C**. (3 marks)
- (ii) The proposed H.E.P dam site marked **D**. (1 mark)
- (ii) Explain **four** challenges hindering hydroelectric power generation in Kenya (8 marks)
- (d) (i) What is an energy crisis. (2 marks)
- (ii) Explain the effects of an energy crisis in the following sectors.
 - (v) Agriculture (2 marks)
 - (vi) Industries (2 marks)

MINISTRY OF EDUCATION (KNEC COMPLIANT)

NAME.....ADM NO.....CLASS.....

DATESIGN.....

**312/1
GEOGRAPHY
PAPER 1
CLASS OF KCSE 2024
TIME: 2 ¾ HOURS**

**THE NYANZA & WESTERN REGIONS KCSE
JOINT NATIONAL MOCK 2024
*Kenya Certificate of Secondary Education (KCSE)***

INSTRUCTIONS TO CANDIDATES.

Write your name, admission number and class

- This paper has *two* sections **A** and **B**
- Answer **ALL** the questions in section **A**.
- In section **B** answer questions **6** and any other **TWO** questions.
- Candidates should check to ascertain that all pages are printed and that no questions are missing.

SECTION A	
QUESTION 6	
QUESTION 7	
QUESTION 8	
QUESTION 9	
QUESTION 10	
TOTAL	

MINISTRY OF EDUCATION (KNEC COMPLIANT)

SECTION A (25MARKS)

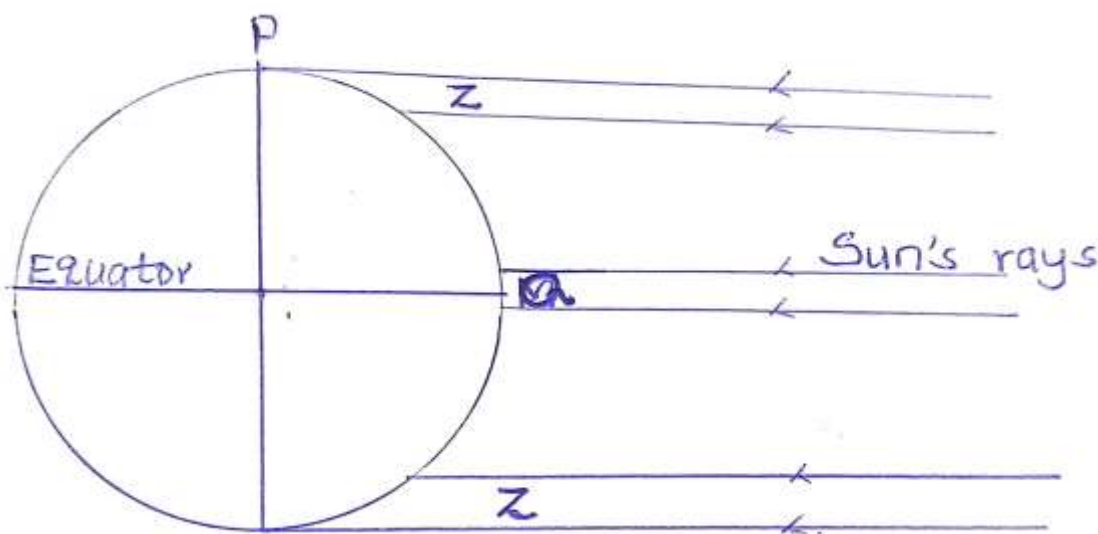
Answer ALL questions in this section

1 Name two branches of geography (2mks)

(b) Give three reasons why it is important to study geography. (3mks)

2(a) State two characteristics of the core of the earth. (2mks)

(b) The diagram below shows the angles of the sun rays at different latitudes when the sun is at the equator. Use it to answer the question (i) and (ii)



(i) Name the part of the earth surface marked p (1 mark)

(ii) Give two reasons why the intensity of the insolation is higher at Q than Z? (2mks)

3. (a) The table below shows some original rock and their corresponding metamorphic rocks.

Original rock	Metamorphic rock
(i)	Marble
Clay	Slate
Granite	Gneiss
Graphite	(ii)

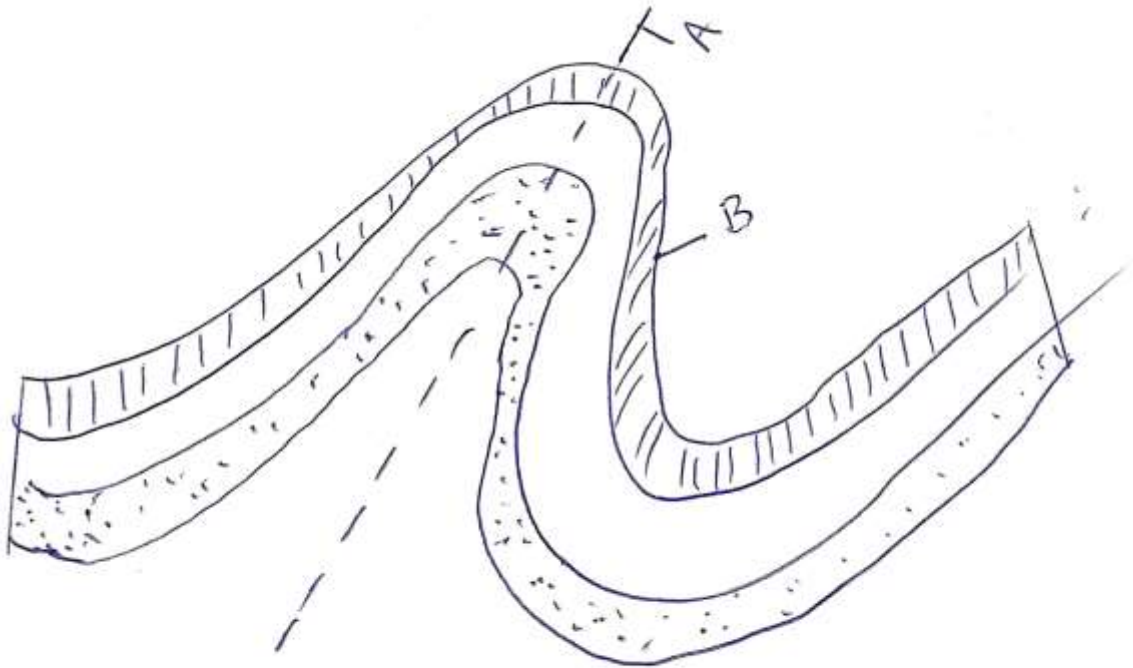
MINISTRY OF EDUCATION (KNEC COMPLIANT)

Identify the rocks (i) and (ii) (2mks)

b) State 3 significance of rocks (3marks)

4. (i) Identify two fold mountains in Africa. (2mks)

(ii) The diagram below shows asymmetrical fold. Name the labelled parts A and B (2m)



5. (a) State three conditions necessary for the development of karst scenery. (3mks).

(b) In which three ways is underground water significant to human activities? (3mks)

MINISTRY OF EDUCATION (KNEC COMPLIANT)

SECTION B: 75 MARKS

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

6. Use the map extract Yimbo (1:50,000) sheet 115/1 provided, to answer the questions that follows.

a (i) What is the latitudinal extent of the area covered by the map ?
(2mks)

(ii) What is the direction of Maranda school from Yalombo island ?
(1mks)

(iii) Calculate the area of Mageta island
(2mks)

(i) Identify two manmade features in the grid square 2293.
(2mks)

b (i) Describe the relief of the area covered by the map. (4mks)

(ii) What is the bearing of the water whole in grid reference 2882 from trigonometric station in grid square 3285
(2mks)

(iii) Giving evidence, identify three social services provided in the area covered by the map. (6mks).

c(i) Draw a rectangle 8 cm by 4.5 cm to represent the area between easting 09 and 17, and between northing 84 and 87
(2mks)

On the rectangle show

-Internal boundary (1mk)

-Mageta island (1mk)

d. Identify two methods used to represent relief in the area covered by the map
(2mks)

MINISTRY OF EDUCATION (KNEC COMPLIANT)

7a(i) Name three types of faults (3mks)

(ii) Apart from compressional forces, explain two other processes that may cause faulting.

(4mks)

b) With the aid of diagrams, describe how compressional forces may have led to the formation of the Great Rift Valley. (8mks)

c) Explain five ways in which faulting is of significance to human activities.

(10mks)

8(a) Name two processes of wind erosion in hot desert areas

(2mks)

b) Describe how the following factors influence wind erosion on hot desert surface

(i) Nature of rock material. (2mks)

(ii) Strength of wind. (2mks)

(iv) Absence of obstacles. (2mks)

c) With the aid of well labelled diagrams describe how a rock pedestal is formed.

(7mks)

d) (i) Suppose you are asked to carry out a field study on action of water in the desert

.List two erosional features you are likely to study

(2mks)

MINISTRY OF EDUCATION (KNEC COMPLIANT)

(ii) Explain significance of resultant features of action of water and wind in arid areas

(8mks)

9a (i) What is vegetation ? (2mks)

(ii) Explain how the following factors influence vegetation distribution on the surface of the earth (8mks)

(i) Relief.

(ii) Aspect

(iii) Drainage.

(iv) Human activities.

b) State four characteristics of tropical rainforest (4mks)

(ii) Explain three causes of decline of areas under forests in Kenya

(6mks)

c. You carried out a field study on vegetation in the area neighbouring your school.

(i) State two objectives you would have for the study.

(2mks)

(ii) Identify three uses of vegetation you are likely to have identified.

(3mks)

10.a (i) What is a glacier (2mks)

MINISTRY OF EDUCATION (KNEC COMPLIANT)

ii) Name two mountains in East Africa which are ice capped (2mks)

b(i) Identify and explain three processes of glacial movements

(6mks)

(c). Explain how a cirque lake is formed

(5mks)

(d) Students from Narumoru were required to carry out a field study on glacial features on Mt. Kenya

(i) Formulate two hypotheses for their study

(2mks)

(ii) Identify two methods they would use to record data

(2mks)

(iii) Give three follow up activities students would undertake after field study.

(3mks)

(v) State three problems likely to have been encountered during the field study

(3mks)

MINISTRY OF EDUCATION (KNEC COMPLIANT)

NAME.....ADM NO.....CLASS.....

DATESIGN.....

312/2

GEOGRAPHY

PAPER 2

CLASS OF KCSE 2024

TIME: 2 ¾ HOURS

THE NYANZA & WESTERN REGIONS KCSE
JOINT NATIONAL MOCK 2024
Kenya Certificate of Secondary Education (KCSE)

Instructions to candidates

- (a) This paper has **two** sections A and B.*
- (b) Answer **all** questions in section A.*
- (c) In section B answer question **6** and any **other two** questions.*
- (d) All answers must be written in the answer booklet provided.*
- (e) This paper consists of **4** printed pages.*
- (f) Candidates should check the question paper to ascertain that all the pages are printed as indicated and that no questions are missing.*
- (g) Candidates should answer the questions in English.*

MINISTRY OF EDUCATION (KNEC COMPLIANT)

SECTION A

Answer all the questions in this section

1. (a) What is industrial inertia?
(2mks)
- (b) Give **three** reasons why industrialists prefer locating new industries where old ones exist.
(3mks)

2. (a) What is under population?
(2mks)
- (b) State **two** advantages of a large population in a developed country
(2mks)

3. (a) Name **two** areas in Kenya where flowers are grown in green houses
(2mks)
- (b) Give **three** reasons why flowers are grown under green houses.
(3mks)

4. (a) Name **two** types of placer mining
(2mks)
- (b) State **three** negative effects of open cast mining on the environment
(3mks)

5. (a)(i) Apart from freshian cows name three other dairy cattle reared in Kenya.(3mks)
- (ii) Give **two** ways in which farming contributes to water pollution.
(2mks)
- (b)(i) What is emigration?
(1mk)

SECTION B

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

6. Hypothetical figures showing sugar production from various factories in Kenya on '000' tonnes.

Factory	Production on tonnes
Mumias	48 200

MINISTRY OF EDUCATION (KNEC COMPLIANT)

Nzoia	26 000
Chemilil	36 000
Sony sugar	28 000
Muhoroni	20 400
Total	158 600

(i) Using a pie chart of radius 4cm present the data above (show your calculations)

(5mks)

(ii) What percentage of total sugar production was contributed by Mumias? (2mks)

(iii) State **three** advantages of using pie-charts to present statistical data. (3mks)

Explain **four** problems facing sugar cane farming in Kenya.

(8mks)

Describe how sugar is processed in the factory.

(4mks)

Give **three** government support actions to sugar cane farmers.

(3mks)

7. (a) What is energy?

(2mks)

(b) List **four** examples of renewable types of energy

(4mks)

(c)(i) State **three** limitations of Geothermal energy

(3mks)

(ii) Define energy crisis?

(2mks)

(iii) Explain **four** ways Kenya is dealing with energy crisis?

(8mks)

(d)(i) Highlight **three** significance of energy

(3mks)

(ii) Give **three** ways in which atmosphere is heated

(3mks)

8. (a) List **four** tourist sites in the Coastal countries

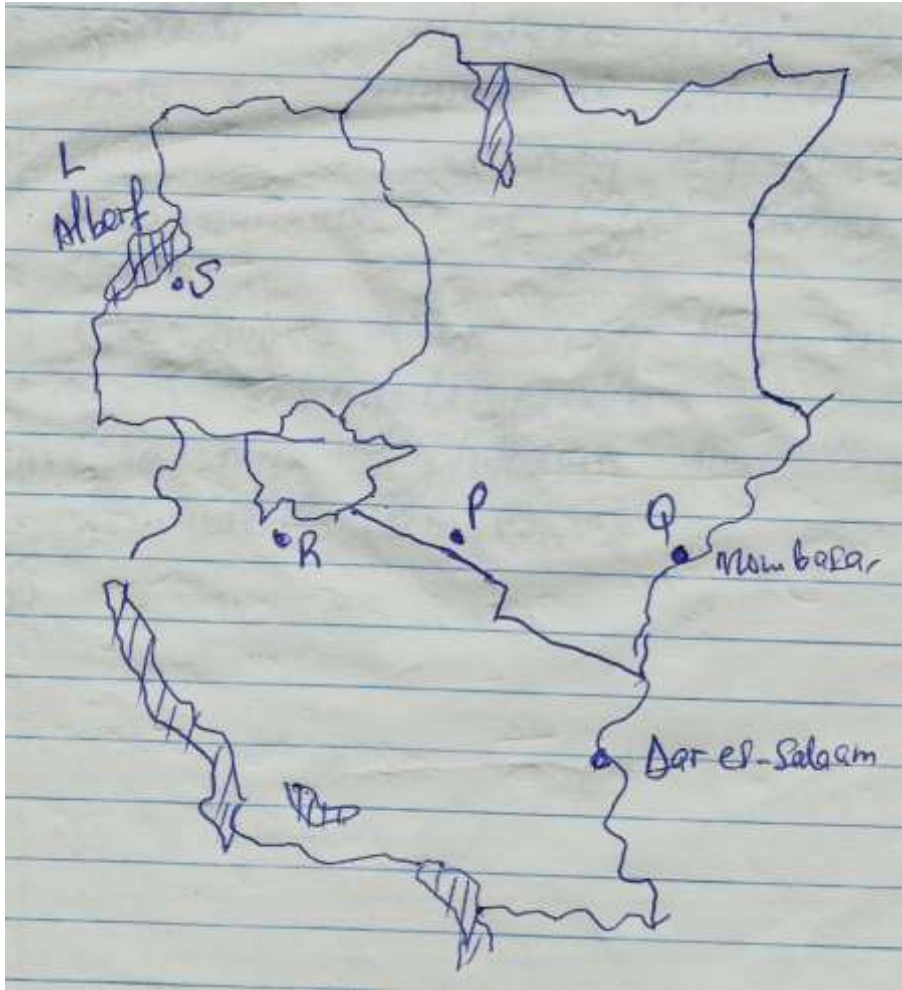
(4mks)

MINISTRY OF EDUCATION (KNEC COMPLIANT)

- (b) Compare national parks and game reserves
(5mks)
 - (c) Explain **four** negative effects of tourism
(8mks)
 - (d)(i) Highlight **four** measures taken by the government of Kenya to promoting tourism
(4mks)
 - (ii) Differentiate between tourism in Kenya and Switzerland.
(4mks)
9. (a)(i) What is fishing and fisheries
(4mks)
- (ii) Explain **three** physical factors that favour fishing
(6mks)
- (b) List **three** types of fish caught in North East pacific fishing ground.
(2mks)
- (c)(i) State the significance of fishing industry in Kenya.
(3mks)
- (ii) Explain **four** problems facing fishing in Kenya.
(8mks)
- (d) State **two** methods that are used to manage and conserve fish in Kenya
(2mks)

10. Use the map of East Africa to answer questions a(i) and (ii)

MINISTRY OF EDUCATION (KNEC COMPLIANT)



- (a)(i) Name the minerals mined at the following marked areas S, P, and Q
(3mks)
- (ii) State **three** types of minerals. (3mks)
- (b) Describe how alluvial placer method of mining is carried out.
(4mks)
- (c)(i) Mention **two** parts through which some of the minerals mined in East Africa are exported (2mks)
- (ii) Explain **three** ways in which mining derelicts can be reclaimed(6mks)
- (d) Students of Uwezo School carried a field study on mining of Diatomite in Nakuru County.
- (i) Give **two** reasons why they carried out a reconnaissance visit before actual study. (2mks)
- (ii) Give **two** reasons why they tabulated a work scheduled (2mks)
- (iii) Give **three** hypothesis they could have formulated. (2mks)

MINISTRY OF EDUCATION (KNEC COMPLIANT)

NAME:INDEX NO:

DATE:

311/1

GEOGRAPHY

PAPER 1

CLASS OF KCSE 2024

TIME: 2 ³/₄ HOURS

THE COASTAL & EASTERN REGIONS KCSE
JOINT NATIONAL MOCK 2024
Kenya Certificate of Secondary Education (KCSE)

INSTRUCTIONS TO CANDIDATES

This paper has two sections A and B

Answer all questions in section A

In section B answer question 6 and any two questions

All answers must be written in English in the booklet provided

MINISTRY OF EDUCATION (KNEC COMPLIANT)

SECTION A

ANSWER ALL THE QUESTIONS IN THIS SECTION

1.a) What is the difference between a meteor and a meteorite (2mks)

b) State three effects of earth's revolution (3mks)

2.a) List two elements of weather (2mks)

b) Name three processes through which the atmosphere is heated (3mks)

MINISTRY OF EDUCATION (KNEC COMPLIANT)

3a)What is weathering (2mks)

b)Give three processes of chemical weathering (3mks)

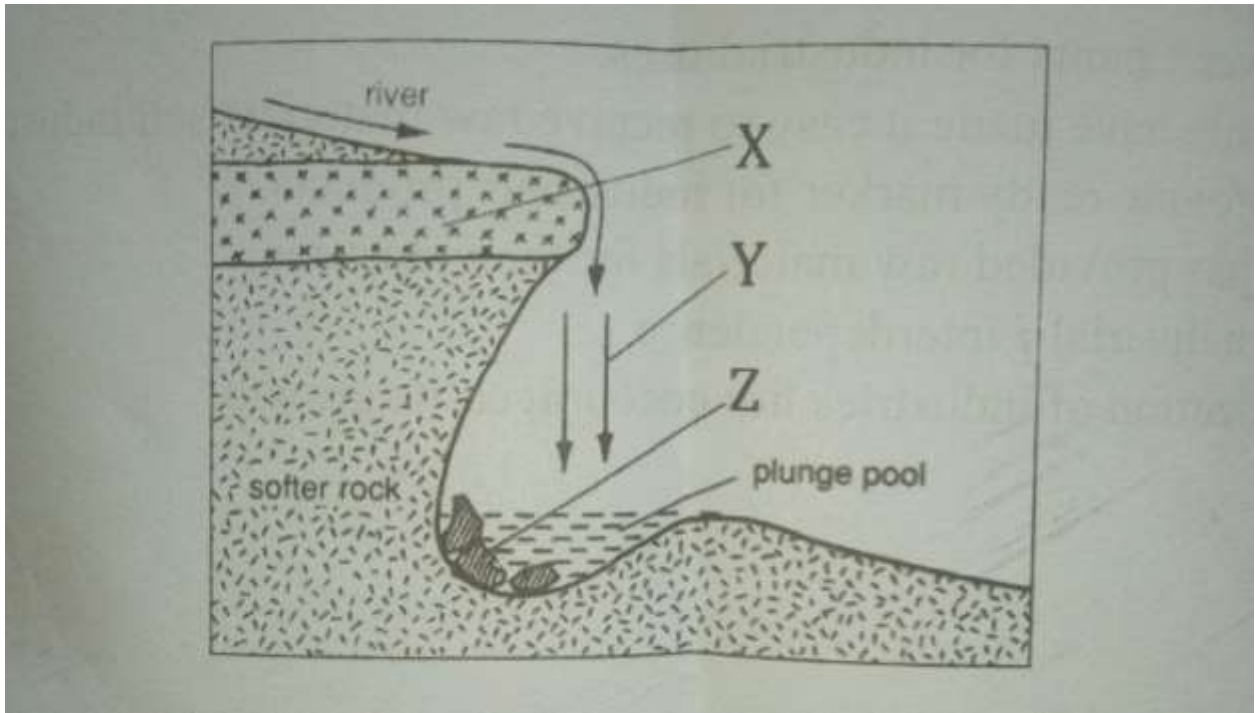
4a)Name three types of coral reefs (3mks)

b)What are the benefits of coral reefs in the areas they have developed (2mks)

5a) State two factors which influence occurrence of surface run-off 2mks)

b)The diagram below shows a waterfall. Name the features marked X,Y,
and Z (3mks)

MINISTRY OF EDUCATION (KNEC COMPLIANT)



MINISTRY OF EDUCATION (KNEC COMPLIANT)

SECTION B

**ANSWER QUESTION 6 AND ANY OTHER TWO QUESTIONS
FROM THIS SECTION**

6. Study the map of Taita hills (scale 1:50,000) provided and answer questions which follow.

Ai) Give the latitudinal position of the South Eastern corner of the map extract (2mks)

MINISTRY OF EDUCATION (KNEC COMPLIANT)

ii) State the four figure grid reference of the school at Mrabenyi (1mk)

iii) Identify the adjoining sheet number to the S.E of Taita hills (1mk)

Bi) Measure the length of dry weather road D535 from the junction at grid 4028 to the east of the map (2mks)

ii) Calculate the area enclosed by the railway line to the south Eastern part of the map (2mks)

Ci) Reduce the square enclosing Easting 37 to 42 and Northing 26 to 31 by 2, on the reduce square indicate the following.

-Ronge forest

MINISTRY OF EDUCATION (KNEC COMPLIANT)

-Road D535

-Outcrop rock (5mks)

ii) Give the new scale of the reduced square (2mks)

MINISTRY OF EDUCATION (KNEC COMPLIANT)

Di) Describe the drainage of the area covered by the map (4mks)

ii) Identify two methods of representing relief used in the map extract (2mks)

iii) Citing evidence from the map give two economic activities carried out (4mks)

7ai) What is artesian well? (2mks)

MINISTRY OF EDUCATION (KNEC COMPLIANT)

ii) List four conditions necessary for the formation of an artesian well. (4mks)

b) With the aid of a well labeled diagram, describe the three zones of underground water (6mks)

ii) Identify three sources of underground waters (3mks)

c) Explain three ways in which a Karst landscape would influence human activities (6mks)

d) Your class intends to carry out a field study on limestone area near your school

i) Name two surface features you are likely to identify (2mks)

ii) State two problems you are likely to identify (2mks)

8a)i) Define the term glaciation 2mks

ii) Name three types of glaciers 3mks

b) Describe how the following features found in upland glaciated landscape are formed

i) U-shaped valley (5mks)

Pyramidal peak (5mks)

c) Explain three significance of upland glaciated features to human activities(6mks)

d) Suppose you were to carry out a field study of a glaciated lowland

i) State two advantages of using oral interview to collect information during the field study (2mks)

ii) Name two features found in glaciated lowlands that you are likely to study (2mks)

9ai) Differentiate between a soil profile and soil catena (2mks)

ii) Draw a well labeled diagram of a mature soil profile (4mks)

bi) Other than topography name three factors that influence formation of soil (4mks)

ii) Explain how topography influences formation of soil (3mks)

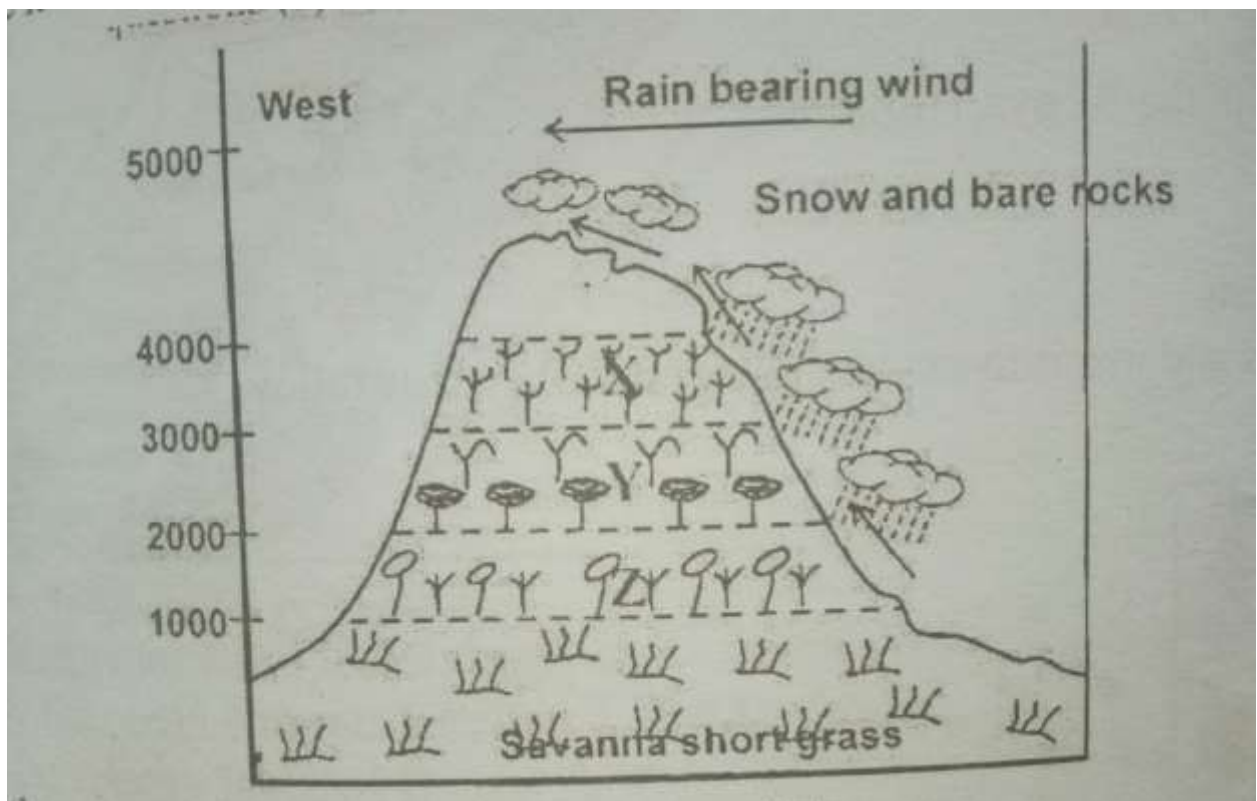
iii) List three characteristics of desert soils (3mks)

ci) Give three types of soil erosion (3mks)

ii) Explain three effects of soil erosion on human activities (6mks)

MINISTRY OF EDUCATION (KNEC COMPLIANT)

10a) The diagram below represents zones of natural vegetation on a mountain within tropical regions, use it to answer questions (a) and (b)



MINISTRY OF EDUCATION (KNEC COMPLIANT)

i) Name the vegetation zones marked X, Y and Z (3MKS)

ii) Give two reasons why the mountain top has no vegetation (2mks)

b) Describe the characteristics of savanna grasslands (4mks)

c) Explain four factors that have led to the decline of natural grassland in Kenya (8mks)

MINISTRY OF EDUCATION (KNEC COMPLIANT)

- d) You carried out a field study of different tree species
- i) Identify three activities you would carry out during the field study (3mks)
- ii) How would you identify the different tree species? (3mks)
- iii) State two methods you would use to determine the height of the trees (2mks)

MINISTRY OF EDUCATION (KNEC COMPLIANT)

NAME:INDEX NO:

DATE:

311/2

GEOGRAPHY

PAPER 2

CLASS OF KCSE 2024

TIME: 2 ³/₄ HOURS

THE COASTAL & EASTERN REGIONS KCSE
JOINT NATIONAL MOCK 2024
Kenya Certificate of Secondary Education (KCSE)

INSTRUCTIONS TO CANDIDATES

- a) This paper consists of two sections: A and B.
- b) Answer ALL the questions in section A. in section B, answer question 6 and any two other questions.
- c) All answers must be written in the answer booklet provided.

MINISTRY OF EDUCATION (KNEC COMPLIANT)

SECTION A: 25 MARKS

Answer all the questions

1. (a) Distinguish between forest and forestry.
(2 mks)
(b) State **three** factors favouring growth of Mt. Kenya forest.
(3 mks)
2. (a) Name **three** middle east countries that are oil producers.
(3 mks)
(b) Give **three** by products obtained when crude oil is refined.
(2 mks)
3. (a) Name **two** counties in Kenya where wheat is grown on large scale.
(2 mks)
(b) Give **three** physical conditions that favor large scale wheat farming in the Prairies provinces of Canada.
(3mks)
4. (a). Define the term nomadic pastoralism.
(2 mks)
(b). Give **three** breeds of beef cattle reared in Kenya.
(3 mks)
5. (a) A photograph is divided into 3 parts. Name them.
(3 mks)
(b) State **two** limitations of using photographs.
(2 mks)

MINISTRY OF EDUCATION (KNEC COMPLIANT)

SECTION B: 75 MARKS.

6. (a). Differentiate between secondary and primary data.
(2 marks)

(b). Use the table below to answer the questions that follow.

Number of dairy animals in division X on the Kenyan highlands in 1992.

TYPE	NUMBER	
Guernsey	8400	
Ayrshire	7200	
Jersey	10800	
Freshian	16400	
Shahiwal	5200	

(i). Using a scale of 1cm to represent 4000 animals, represent the above data using a divided rectangle. (6mks)

(ii). State **two** advantages of using a divided rectangle to represent data.
(2mks)

(iii). Name **three** other ways through which the data above can be statistically presented. (3 mks)

(c). State **three** physical factors that favour dairy farming in the Kenya highlands
(3mks)

(d) (i) Explain **three** ways in which dairy farming in Kenya is different from dairy farming in Denmark. (6mks)

(ii). State **three** by-products of milk. (3 mks)

7. (a) (i) Name **two** indigenous softwood trees in Kenya. (2 mks)

(ii) State **five** factors that favour the development of softwoods in Kenya.
(5 mks)

(b) (i) Explain **four** problems experienced in commercial exploitation of tropical rain forests in Africa. (8 mks)

(ii) Give **four** protective roles of forests in a country (4 mks)

(c) Explain **three** problems Canada experiences in exploiting her forests.
(6 mks)

MINISTRY OF EDUCATION (KNEC COMPLIANT)

8. (a) (i) Name **two** major counties in Kenya known for high maize production. (2 mks)
(ii) What is the importance of maize production to Kenya's economy. (6 mks)
(iii) Name the Board that is known for buying and selling of maize in Kenya. (1 mks)
- (b) What are the problems facing the maize farming in Kenya. (8 mks)
- (c) Explain **four** physical conditions that favour maize growing in Kenya. (8 mks)
9. (a) Define the term mineral (2mks)
- (b) (i) Name **two** areas in South Africa where diamond is mined. (2mks)
- (ii) Give **four** ways in which minerals occur. (4 mks)
- (c). (i) Explain **three** negative effects of mining on the environment. (6mks)
- (ii) Identify any **two** methods of mining. (2mks)
- (iii) Name a port through which minerals in East Africa are exported. (1mk)
- (d). Explain **four** ways in which soda ash contributes to the economy of Kenya (8mks)
10. (a) (i) Differentiate between market gardening and floriculture. (2mks)
(ii) State **four** features of horticulture. (4mks)
- (b). (i) State **three** physical factors that favour development of horticulture in Kenya. (3mks)
- (iii) Explain why horticulture is more developed in Netherlands than in Kenya. (8mks)
- (c) State and explain **four** contributions of horticulture to the economy of Kenya. (8mks)

MINISTRY OF EDUCATION (KNEC COMPLIANT)

NAME.....

SCHOOL.....

ADM NO.....DATE.....

STUDENT'S SIGN.....

312/1

GEOGRAPHY

PAPER 1

CLASS OF KCSE 2024

Time: 2 ½ Hours

THE RIFT VALLEY & NORTH EASTERN REGIONS

KCSE JOINT NATIONAL MOCK 2024

Kenya Certificate of Secondary Education (KCSE)

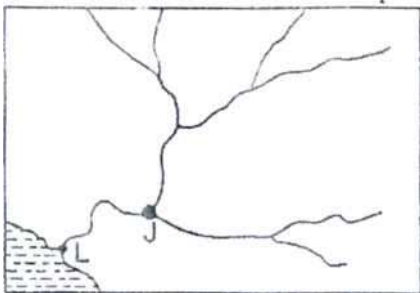
INSTRUCTIONS

- Answer all questions in section A
- In section B answer question six and any other two questions

MINISTRY OF EDUCATION (KNEC COMPLIANT)

SECTION A

1. a) Differentiate between relative humidity and absolute humidity (2mks)
b) State three significance of water vapour in the atmosphere (3mks)
2. a) What do you understand by the term vertical Earth movement. (2mks)
b) Identify three causes of earth movements (3mks)
3. a) Give two processes of slow mass movement. (3mks)
b) State two physical conditions that may influence landslides (2mks)
4. (a) State two factors that may determine the amount of surface run-off (2mks)
b) Use the diagram below to answer questions (i) and (ii)



Name part labelled J and L (2mks)

5. a) Define the term oceans (2mks)
b) State three reasons why ocean water are salty (3mks)

MINISTRY OF EDUCATION (KNEC COMPLIANT)

SECTION B

Answer question 6 and two other questions in this section

6. Use the map of Oyugis (1:50,000) sheet 130/1 provided, to answer the questions that follow

a. (i) Give two adjoining index to the south and East of Oyugis map (2mks)

ii) Convert the scale of the map extract given 1:50000 into a statement scale

(b) What is the bearing, distance and direction of the trigonometrical station

Ingrid square 7030 from brickworks in grid square 7832 (3mks)

(c) Enlarge by two a area bounded by easting 85 and 88, northing 39 and 41 (2mks)

On it label and name the following

i) River Awach kasipul (1mk)

ii) Forest boundary (1mk)

iii) woodland

(d) Explain three factors that have favoured trade in the map extract. (6mks)

(i) Citing evidence from the map state two social services offered in the area covered by Oyugis map

(2mks)

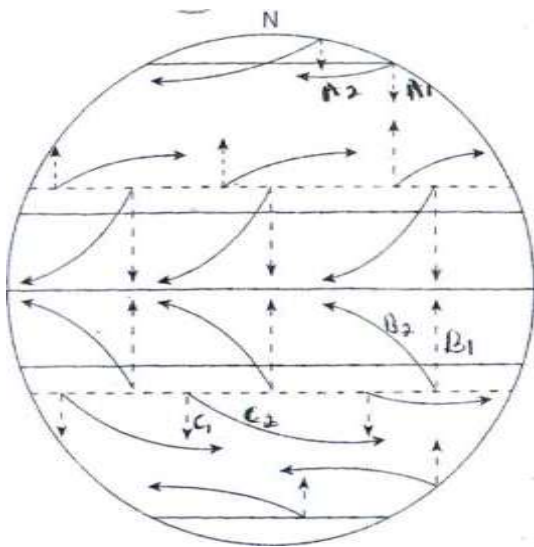
(ii) Describe the relief of the area covered by the map

(5mks)

MINISTRY OF EDUCATION (KNEC COMPLIANT)

7. (a)What is rotation of the Earth (2mks)

(b)The diagram below represents one effect resulting from rotation of the Earth. Use it to answer part (b(i) and (b(ii) below;



i) Name the effect of rotation represented by the diagram (1mk)

(ii) Citing specific pressure zones and winds shown, describe the process represented in;

(i) A1 and A2 (3mks)

(ii)B1 and B2 (3mks)

(iii)C1 and C2 (3mks)

(c)Explain how the following factors affects temperature

MINISTRY OF EDUCATION (KNEC COMPLIANT)

(i) Altitude (3mks)

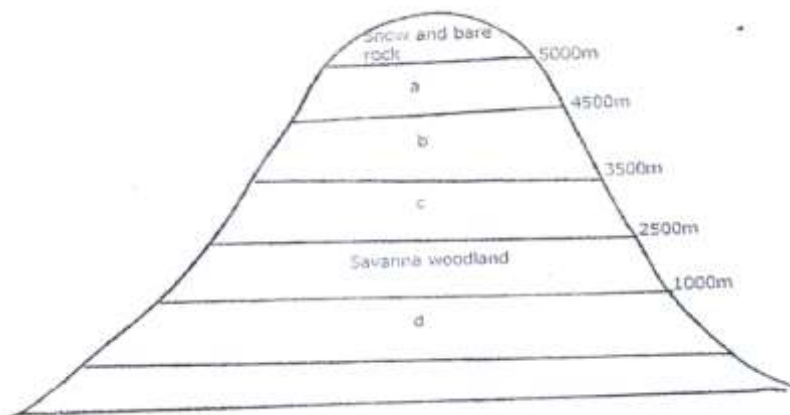
(ii) Latitude (4mks)

d) Explain three reasons why a weather station must be sited away from tall building and trees (6mks)

8. (i) Name two types of vegetation. (2mks)

II) Give two physiographic factors influencing vegetation distribution (2mks)

b) the diagram below shows vegetation zones of an East African mountain. Use it to answer questions below (bi) and b(ii)



Name the zones a,b,c and d (4mks)

ii) Give one reason why there is no vegetation cover on the top of the mountain (1mk)

c (i) State the names given to temperate grassland vegetation in:

- North America
- Argentina

ii) Explain three uses of savannah vegetation (6mks)

d) Explain four characteristics of tropical desert vegetation (8mks)

9. (a) With the aid of well labelled diagram describe how a crag and tail is formed (6mks)

(b) Name and describe four types of glacial moraines (8mks)

MINISTRY OF EDUCATION (KNEC COMPLIANT)

- C
- (i) Identify two features formed by glacial erosion in the highlands (2mks)
 - (ii) State three factors which encourage glacial deposition (3mks)
 - (iii) Explain three positive effects of glaciations to human activities (6mks)
10. (a) state
- i) Three factors which contribute to the development of deserts (3mks)
 - ii) Three processes through which winds erodes a desert land scape (3mks)
- b) Using well labelled diagrams explain how a rock pedestal is formed (6mks)
- c) Explain three significance of wind depositional features (6mks)
- d) Suppose you carry out a field study on the action of water in a desert
- i) List four features you are likely to study (4mks)
 - ii) State three problems you are likely to experience during the field study (3mks)

MINISTRY OF EDUCATION (KNEC COMPLIANT)

NAME.....

SCHOOL.....

ADM NO.....DATE.....

STUDENT'S SIGN.....

312/2

GEOGRAPHY

PAPER 2

CLASS OF KCSE 2024

Time: 2 ½ Hours

THE RIFT VALLEY & NORTH EASTERN REGIONS

KCSE JOINT NATIONAL MOCK 2024

Kenya Certificate of Secondary Education (KCSE)

Instructions to Candidates

- (i) This paper has two sections A, and B.**
- (ii) Answer all the question in section A**
- (iii) Answer questions 6 and any two in section B.**
- (iv) All answers must be written in English**

MINISTRY OF EDUCATION (KNEC COMPLIANT)

SECTION A

Answer all questions in this section

1. (a) What is a derelict land? (2 mks)
(b) State **three** causes of land dereliction. (3 mks)
2. (a) State **three** problems facing coffee farming in Kenya. (3mks)
(b) Outline **two** benefits of coffee farming in Brazil. (2 mks)
3. (a) What are floods? (2 mks)
(b) Mention **two** advantages of farrow irrigation. (2 mks)
(c) Name one river which causes large scale flooding in Kenya. (1 mk)
4. (a) Distinguish between a Game reserve and a National Park. (2 mks)

(b) Other than advertisement, mention **three** steps taken by the Kenyan government to promote tourism in the country. (3 mks)
5. (a) Define the term industry. (2 mks)
(b) State **three** factors necessary for location of an industry. (3mks)

SECTION B

Answer question 6 and two from this section.

6. The table below shows fish production by some selected countries in 1998. (Production in tonnes).

Study it and use it to answer questions that follow:

COUNTRY	PRODUCTION IN TONNES
Japan	1440
Norway	1020
South Korea	810
Kenya	330

- a. i. Calculate the percentage of fish production by Norway. (2 mks)

MINISTRY OF EDUCATION (KNEC COMPLIANT)

- ii. Using 12cm long rectangle present the above data using a divided rectangle. (9 mk)
- iii. State **two** advantages of presenting data using divided rectangle. (2 mks)
- b. Outline **two** major methods used in commercial fishing. (2 mks)
- c. State **two** reasons why market for marine fish is low in Kenya. (2 mks)
- d. Explain **four** factors favouring fishing in Japan. (8 mks)
7. (a) (i) What is agro-forestry? (2mk)
- (ii) Give **four** reasons why afforestation is being encouraged in Kenya. (4 mks)
- (b) (i) State **four** measures being taken to conserve forests in Kenya. (4mks)
- (ii) Explain **five** factors that limit the exploitation of tropical rain forests in Africa. (10 mks)
- (c) (i) Mention **three** uses of Mangrove forests. (3 mks)
- (ii) Name **two** major forest blocks found along the Kenyan coast. (2 mks)
8. (a) (i) Differentiate between horticulture and market gardening. (2 mks)
- (ii) State **four** factors that favour horticulture in Kenya. (4 mks)
- (b) (i) Name **one** horticulture farming area in the Netherlands. (1 mk)
- (ii) State **four** ways through which Kenya has benefited from horticultural farming. (4 mks)
- (iii) Explain **three** problems facing horticultural farming in Kenya. (6mks)
- (c) Explain **four** conditions that have made horticultural farming in Netherlands more successful than Kenya. (8 mks)
9. (a) Define the term wildlife. (2 mks)
- (b) Explain how the following factors influence wildlife distribution in Kenya.

MINISTRY OF EDUCATION (KNEC COMPLIANT)

- (i) Climate (4 mks)
- (ii) Human Activities (4 mks)

(c) Study the map of East Africa and answer the questions that follow:



MINISTRY OF EDUCATION (KNEC COMPLIANT)

- (i) Identify the National Parks marked M,N, O and P. (4 mks)
- (ii) Name **one** sanctuary found in Kenya. (1 mk)
- (d) State **two** problems facing wildlife in East Africa. (2 mks)
- (e) Explain **four** significance of wildlife in Kenya. (8 mks)
10. (a) (i) Name **two** non-renewable sources of energy. (2 mks)
- (ii) State **three** uses of energy in an industry. (3 mks)
- (b) (i) State **five** advantages of using hydro-electric power over other forms of energy. (5mks)
- (ii) State **five** measures that Kenya may take to manage energy-crisis. (5 mks)
- (c) Explain **five** effects of energy crisis in the world. (10 mks)