GOLDLITE ONLINE EDUCATIONAL SERVICES

Kenya Certificate of Secondary Education

SMARTFOCUS LATEST PREDICTION

TERM 3 2023

312/1/2
GEOGRAPHY
PAPER 1 AND 2
PREDICTION 1-11

FOR MARKING SCHEMES AND
MORE PAPERS
INBOX/WHATSAPP OR CALL
0724351706/0726960003

KNEC COMPLIANT

These exams have been compiled from various joint mocks and top national schools across the country

GOLDLITE ONLINE EDUCATIONAL SERVICES

Kenya Certificate of Secondary Education

SMARTFOCUS LATEST PREDICTION

TERM 3 2023

NAME …… **ADMISSION NUMBER** ……
CANDIDATE'S SIGNATURE……**DATE**……

PREDICTION 1

312/1
GEOGRAPHY
PAPER 1
TIME: $2^{3}/_{4}$ HOURS

INSTRUCTIONS TO CANDIDATES

1. Write your name and index number in the spaces provided above
2. This paper consists of **TWO** sections A and B
3. Answer **ALL** questions in Section A. In section B answer **QUESTION 6** and any other **TWO.**
4. All answers **MUST** be written in the spaces provided at the end of question 10
5. Do not remove any pages from this booklet
6. This paper consists of 12 printed pages. Candidates should check to ensure that all pages are printed as indicated and no questions are missing.

For Examiners Use Only

Section	Questions	Maximum Score	Candidates Score
A	1 – 5	25	
B	6	25	
		25	
		25	
	TOTAL SCORE	100	

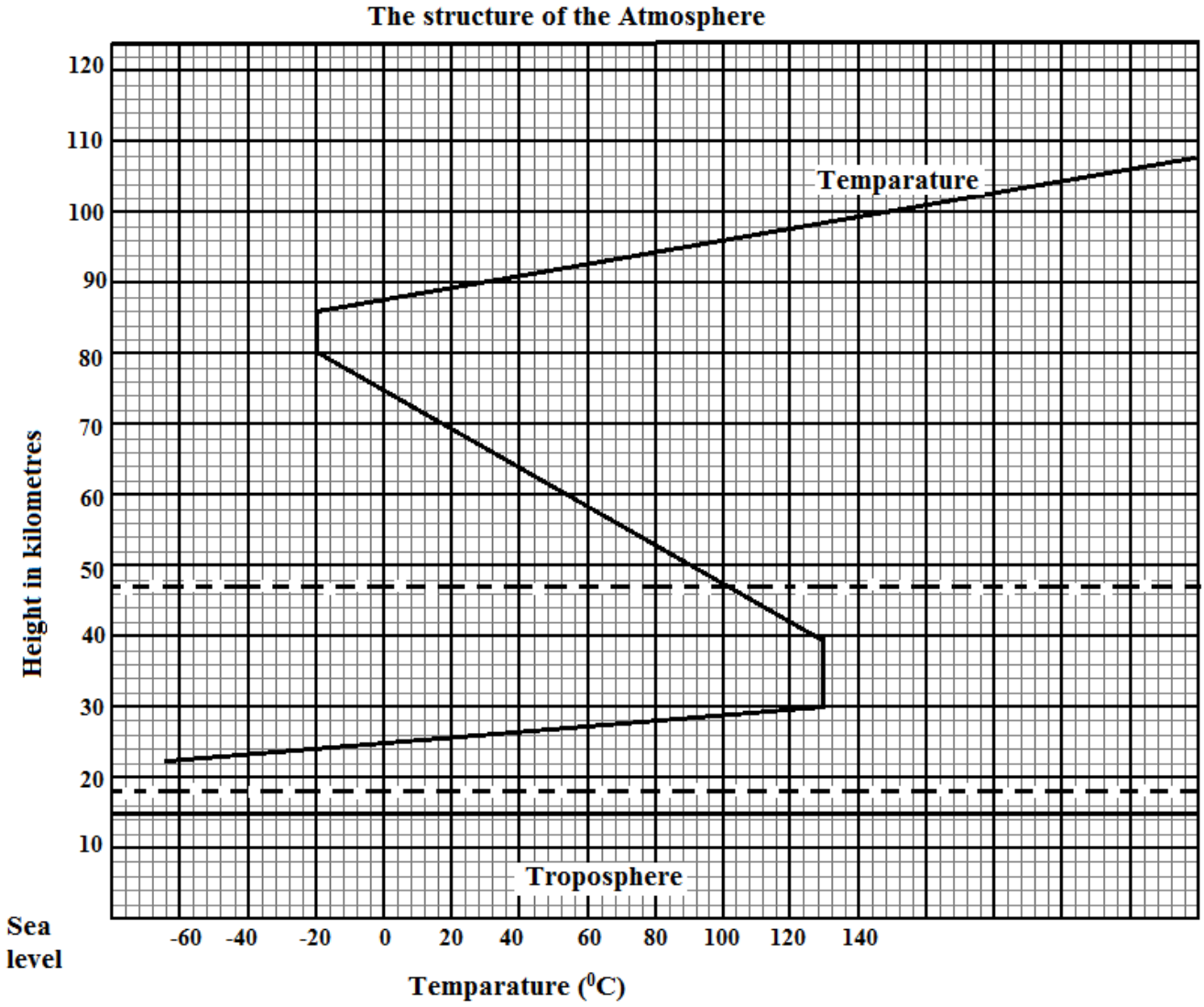
SECTION A

ANSWER ALL THE QEUSTIONS IN THIS SECTION

1a) Define the term Environment. (3mks)

b.) List any three major areas coved in physical Geography. (3mks)

2a) The diagram below represents the structure of the atmosphere use it to answer question (a)



a) Name

i) The parts marked P and Q. (2mks)

ii) The layer of discontinuity marked R. (1mk)

b.) State two characteristics of weather conditions in the troposphere. (2mks)

3. a) What is an earthquake? (2mks)

b) Identify the scale used to measure

i) The intensity of earthquakes. (1mk)

ii) The magnitude of earthquakes. (1mk)

c) Name one major region where earthquakes are likely to occur. (1mk)

4. a) Distinguish between River Capture and river rejuvenation. (2mks)

b) State three characteristics of a river at youthful stage. (3mks)

5. a) Explain two reasons why wind is the dominant agent of erosion in arid area. (4mks)

b) Identify any one feature formed as a result of wind deposition in arid areas. (1mk)

SECTION B

ANSWER QUESTION 6 AND ANY OTHER TWO.

6. **Use the map PROVIDED KISUMU EAST I:50,000 (SHEET 116/2) and answer the following questions.**

a.) i) What is the sheet title of the map (1mk)

ii). What is the magnetic declination of the map extract (1mk)

b. i) Convert the ratio scale of the map extract into statement scale. (2mks)

c.) What is the bearing of trigonometrical station at grid reference 081980 from the Air photo Principals point at grit square 0997. (2mks)

d) Give three types of natural Vegetation found in the area covered by map. (3mks)

e) Describe the drainage of the area covered by the map. (5mks)

f) Draw a rectangle 12cm by 10cm to represent the area enclosed by Easting 03 and 09 and Northing 80 and 85. On the rectangle, mark and name the following features. (5mks)

i) Trigonometrical station 1154.

ii) All weather road B 25/3

iii) Seasonal swamp.

iv) Ombeyi river.

g. Citing evidence from the map ,explain three social factions of Ksumu town . (6mks)

7. a) i) What is folding ? (2mks)

ii) State three factors that influence folding . (3mks)

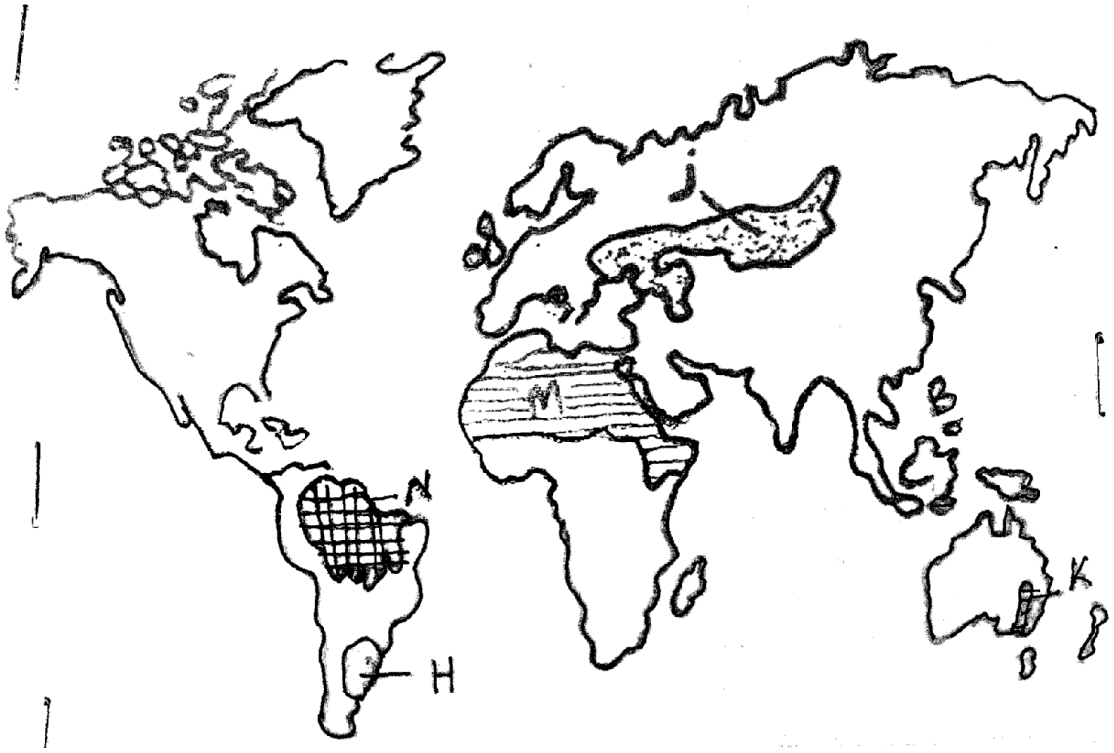
b) i) Apart from over thrust fold ,name four other types of folds. (4mks)

ii) With the aid of well labelled diagrams ,describe the formation of an over thrust fold. (8mks)

c) Explain four significance of fold maintains to human activities. (8mks)

8. The map below shows some vegetation regions of the world.

Use it to answer questions (a) to (c)



a.) Name the temperate grass lands marked H ,J and K. (3mks)

b.) Describe the characteristics of the natural vegetation found in the shaded area marked N. (5mks)

c.) Explain four ways in which the vegetation found in the area marked M adapts to the environment conditions of the region. (8mks)

d.) You are required to carry out a field study of the vegetation which the local environment.

i) Apart from identifying the different types of plants, state four other activities you will carry out during the field study. (4mks)

ii.) How will you identify the different types of plants. (2mks)

iii.) Give three reasons for visiting the area before study. (3mks)

9. a) i) Differentiate between a waterfall and a gorge. (2mks)

ii.) State two factors that influence the rate of erosion by a river in its upper course. (2mks)

b.) i) Describe the processes by which a river transport its load. (6mks)

ii) Name three river depositional features. (3mks)

c.) Describe each of the following drainage pattern using diagrams.

i) Centripetal. (2mks)

ii) Radial. (2mks)

iii) Fault-guided.
(2mks)

d) Your class is planning to carry out a field study of a river in its mature stage

i.) Give three methods you would use to record the information collected. (3mks)

ii.) State three characteristics of a river at the mature stage that you are likely to observe during the study.
(3mks)

10 a.) i) State three conditions necessary for the development of Karst scenery. (3mks)

ii.) Give three sources of underground water. (3mks)

b) i) Differentiate between Artesian basin and Artesian well (2mks)

ii.) A part from stalagmites, name three other underground features formed in limestone areas. (3mks)

iii) With the aid of a diagram, describe how a stalagmite is formed. (8mks)

c.) Explain three positive significance of resultant features in Karst scenery. (6mks)

GOLDLITE ONLINE EDUCATIONAL SERVICES

Kenya Certificate of Secondary Education

SMARTFOCUS LATEST PREDICTION

TERM 3 2023

NAME …… **ADMISSION NUMBER** ……
CANDIDATE'S SIGNATURE……**DATE**……

PREDICTION 1

312/2
GEOGRAPHY
PAPER 2
TIME: $2^{3}/_{4}$ HOURS

INSTRUCTIONS TO CANDIDATES

1. Write your name and ADM number in the spaces provided above
2. This paper consists of **TWO** sections A and B
3. Answer **ALL** questions in Section A. In section B answer **QUESTION 6** and any other **TWO.**
4. All answers **MUST** be written in the spaces provided at the end of question 10
5. Do not remove any pages from this booklet
6. This paper consists of 12 printed pages. Candidates should check to ensure that all pages are printed as indicated and no questions are missing.

For Examiners Use Only

Section	Questions	Maximum Score	Candidates Score
A	1 – 5	25	
B	6	25	
		25	
		25	
	TOTAL SCORE	100	

SECITON A : 25 MARKS.
COMPULSERY SECTION

1. a) Name two minerals mined in South Africa. (2mks)

b.) Give three problems facing mining industries in South Africa. (3mks)

2. a) What is mixed farming. (2mks)

b.) State three physical conditions that favour coffee growing in Kenya Highlands. (3mks)

3. a) Name two Rivers that supply water to Mwea irrigation scheme. (2mks)

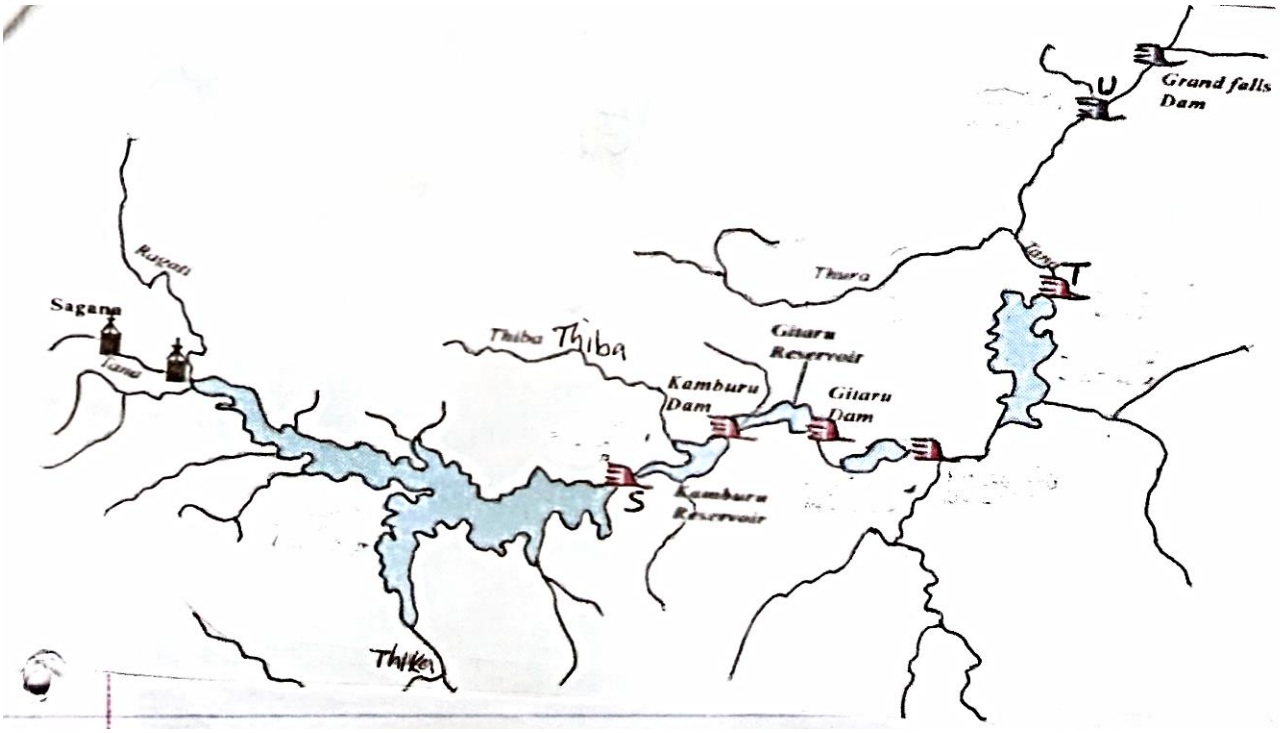
b.) State how the government policy influenced the establishment of Mwea irrigation scheme. (3mks)

4. a) Define the term fishing . (2mks)

b.) List three countries in the North Eastern Atlantic that are important for marine fishing. (3mks)

5. a) Apart from oil name two other non renewable sources of Energy. (2mks)

b. The Sketch map below shows hydro- electric power (H.E.P) Stations along River Tana. Use it to answer questions that follow.



i) Name the H.E.P Stations marked S and T. (2mks)

S-

T-

ii) The proposed H. E.P Stations marked U. (1mk)

U-

SECTION B: 75 MARKS

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

6. Study the photograph below and answer questions (a)



a. i) Identify the type of the photograph shown. (1mk)

ii) Using evidence from the photograph identify two indicators which show that the area receives high rainfall. (2mks)

iii) Draw a rectangle measuring 15cm by 10cm to represent the area covered by the photograph. On the rectangle, sketch and label four main features shown on the photograph. (5mks)

b. i) State **three** reasons why zero grazing is more popular among dairy farmers in the Kenya Highlands. (3mks)

ii) Name **three** exotic dairy cattle reared in Kenya. (3mks)

c) Explain **four** ways in which dairy farming in Kenya is different from dairy farming in Denmark. (8mks)

d) State **three** challenges faced by dairy farmers in Kenya. (3mks)

7. a) i) State **three** methods used in mining. (3mks)

ii) Name the minerals found in the following areas (3mks)

a. Magadi
b. Mwadui
c. Kasese

b. Explain how the following factors influence mining of minerals.

i) Technology. (2mks)

ii) Quality of the ore (2mks)

iii) Accessibility. (2mks)

c) Describe how deep shaft mining method is used in extraction of minerals. (8mks)

d) State two leading oil producing countries in the middle East. (2mks)

e) State **three** uses of petroleum. (3mks)

8. i) Differentiate between land reclamation and land rehabilitation. (2mks)

ii) Give three ways in which the government is trying to rehabilitate overgrazed lands in Kenya.(3mks)

b) Explain three conditions that favour irrigation farming in Kenya. (6mks)

c. i) Name three polders that make up the zuiderzee reclamation project in the Netherlands. (3mks)

ii) Describe the stages of reclamation of land from the sea in the Netherlands . (6mks)

d) Your School intend to carry out a field study in Mwea Tebere irrigation scheme.

i) Identify the two types of hypothesis you would develop for the study. (2mks)

ii) Give three reasons why you need to sample the area of study. (3mks)

9. a)i) Distinguish between forestry and forest. (2mks)

ii) Discuss the influence of the following factors on the distribution of natural forests.

- Climate. (2mks)
- Human activities. (2mks)
- Relief. (2mks)

b. Explain three measures which have been taken to manage forests in Kenya. (6mks)

c. Give the difference between the softwood forests in Kenya and Canada under the following headings

i) Species. (2mks)

ii) Period of harvesting. (2mks)

iii) Transportation. (2mks)

e. Your class intends to carry out a field study on exotic trees of Kenyan Highlands.

i) Name two types of exotic trees they are likely to observe. (2mks)

ii) Identify three methods you will use to record data in the field. (3mks)

10.a) i) State two effect of drought on wildlife in Kenya . (3mks)

ii) Name two game ranches in Kenya. 2mks)

b) State the significants of wildlife in Kenya. (4mks)

c i) Differentiate between domestic and international tourisms. (2mks)

ii) Explain four problems associated with tourism in Kenya. (8mks)

iii) Explain three reasons why Switzerland receives more tourists than Kenya. (6mks)

GOLDLITE ONLINE EDUCATIONAL SERVICES

Kenya Certificate of Secondary Education

SMARTFOCUS LATEST PREDICTION

TERM 3 2023

NAME …… **ADMISSION NUMBER** ……

CANDIDATE'S SIGNATURE……**DATE**……

PREDICTION 2

312/1
GEOGRAPHY
PAPER 1
TIME: 2¾ HOURS

SMARTFOCUS EXAMINATIONS-2023

Kenya Certificate of Secondary Education
312/1
GEOGRAPHY

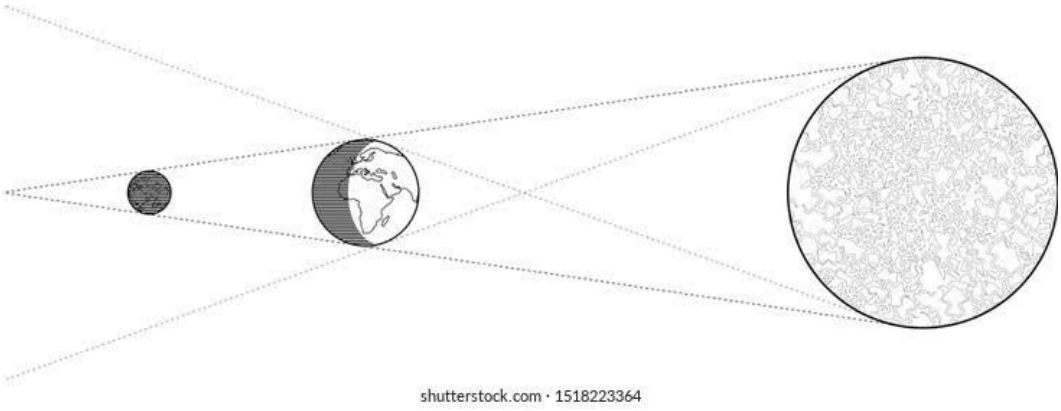
INSTRUCTIONS TO STUDENTS

- *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.*

SECTION A

*Answer **all** the questions in this section.*

1. (a) What is the relationship between Geography and Mathematics? (2 marks)
   (b) Identify **three** branches of Geography. (3 marks)
2. (a) Use the diagram below to answer the questions that follow:



   (i) What type of Eclipse is represented by the diagram? (1 mark)
   (ii) Explain how the eclipse above occurs. (2 marks
   (b) What is the time at Hola on 40^0E when the time at Tema on 0^0 longitude is 12:00 noon?(2 marks)
3. (a) Apart from Fold Mountains, name three other features resulting from folding. (3 marks)
   (b) State **two** factors that determine the folding of crustal rocks. (2 marks)
4. (a) Give **three** reasons why some Lakes of Kenya have saline water. (3 marks)
   (b) Outline **two** economic uses of lakes. (2 marks)
5. (a) What is natural vegetation? (2 marks)
   (b) State three characteristics of the Mediterranean type of vegetation. (3 marks)

SECTION B

6. Study the map of Kisumu East 1:50,000 (Sheet 116/2) provided and answer the following questions.
   (a) (i) What is the vertical interval of the map extract? (1 mark)
   (ii) Using the marginal information, give the magnetic variation of the area when the map extracts was drawn. (1 mark)
   (iii) Measure the length of the regional boundary from the map edge at grid square 9999 to Northing 97. Give your answer in kilometres. (2 marks)
   (iv) What is the approximate height of the seasonal swamp in the Kano plains? (2 marks)
   (b) (i) Using a vertical scale of 1 centimetre to represent 50 metres draw a cross section from grid reference 080920 to grid reference 080980. (4 marks)
   On it, mark and label the following:
   I. Sugarcane plantation (1 mark)
   II. Steep slope (1 mark)
   III. All weather road bound surface C543/1. (1 mark)
   (ii) Calculate the vertical exaggeration of the cross section. (2 marks)
   (c) Describe the characteristics of the big profile of river Luando (6 marks)
   (d) Citing evidence from the map, explain two factors that favour trade in the area covered by the map. (4 marks)

7. (a) (i) What is a rock? (2 marks)
   (ii) Describe the following characteristics of mineral:
   - Tenacity (2 marks)
   - Lusture (2 marks)
   - Cleavage (2 marks)

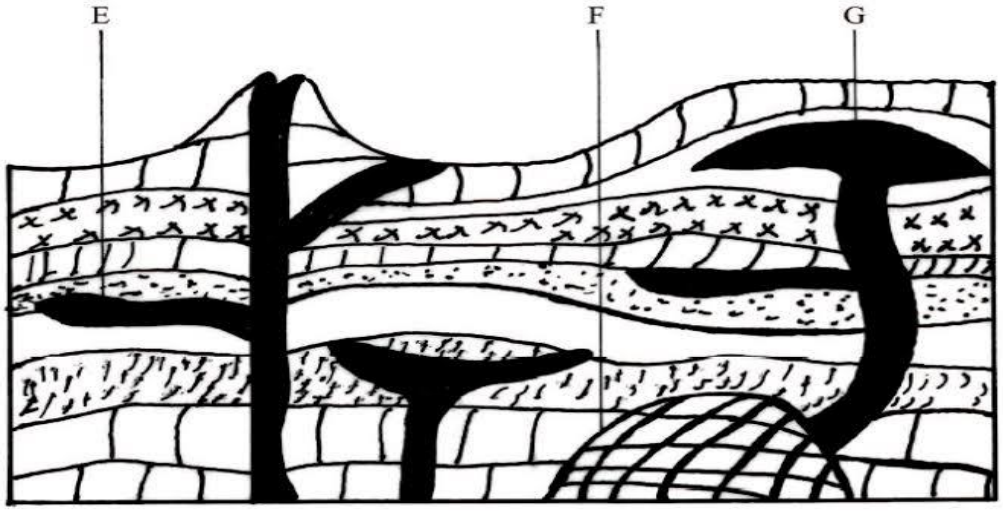
   (b) (i) Name **two** examples of intrusive igneous rocks. (2 marks)
   (ii) Describe the formation of Plutonic rocks. (4 marks)
   (c) Explain **three** significance of rocks to the economy of Kenya. (6 marks
   (d) Your class is planning to carry out a fieldwork on rocks around your school.
   (i) Outline **three** activities you would engage in before the study. (3 marks)
   (ii) State **two** challenges you are likely to face during the field study. (2 marks)

8. (a) Outline **two** ways in which river water flows within the channel. (2 marks)
   (b) (i) State three factors that influence river erosion. (3 marks)
   (ii) Describe how the river erodes through the following processes;
   - Hydraulic action (4 marks)
   - Solution (2 marks)

   (c) Using a well labeled diagram, describe how the following feature are formed:
   - Interlocking spurs (4 marks)
   - Natural levees (4 marks)

   (d) Explain three negative effects of rivers. (6 marks)

9. (a) (i) Differentiate between Vulcanicity and volcanicity. (2 marks)
   (ii) Describe how lava plateau is formed. (4 marks)
   (iii) The diagram below shows some intrusive features formed by vulcanicity. Use it to answer questions below.



   I. Name the features marked E, F and G. (3 marks)
   II. Explain how feature marked E is formed. (4 marks)

   (b) Students carried out a field study on volcanic rocks.
   (i) Give **four** reasons why it is necessary to collect rock samples during such a field study. (4 marks)

   (ii) State **two** problems they are likely to have experienced during the field study.(2 marks)

(iii) Outline **two** follow-up activities. (2 marks)

(c) (i) Give **three** causes of Earthquakes. (3 marks)

(ii) Name **three** natural major earthquake zones of the world. (3 marks)

10. (a) (i) What is soil contena? (2 marks)

(ii) Give three factors that determine the colour of soil. (3 marks)

(iii) State three ways in which mulching helps in soil conservation.(3 marks)

(b) Explain how the following forming practices cases soil erosion.

(i) Burning (4 marks)

(ii) Over cultivation (4 marks)

(iii) Give two economic uses of soil. (2 marks)

(c) You are supposed to carry out a field study of an eroded area:

(i) State three methods you would use to control soil erosion. (3 marks)

(ii) What would be disadvantages of using secondary methods of collecting data in this kind of study? (2 marks)

(iii) Identify the methods you would use to record the observations. (2 marks)

GOLDLITE ONLINE EDUCATIONAL SERVICES

Kenya Certificate of Secondary Education

SMARTFOCUS LATEST PREDICTION

TERM 3 2023

NAME …… **ADMISSION NUMBER** ……
CANDIDATE'S SIGNATURE……**DATE**……

PREDICTION 2

312/2
GEOGRAPHY
Paper 2
Time: 2¾ hours

INSTRUCTIONS TO STUDENTS

- *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.*

SECTION A

*Answer **all** the questions in this section.*

1 (a) What is Practical Geography? (2 marks)

(b) State ***three*** skills learned in Practical Geography. (3 marks)

2. (a) Name ***two*** underground methods of mining. (2 marks)

(b) Give ***three*** ways in which derelict land can be rehabilitated. (3 marks)

3. (a) Name ***two*** cereal crops grown in Mwea Tebere. (2 marks)

(b) State ***three*** ways in which salinity of the polders is reduced in the Netherlands. (3 marks)

4. (a) Give ***two*** deep sea methods of fishing. (2 marks)

(b) State ***three*** problems experienced in the marketing of fish in Kenya. (3 marks)

5. (a) Name ***two*** towns in Kenya where motor vehicle assembling plants are located. (2 marks)

(b) Give ***three*** characteristics of the cottage industry in India. (3 marks)

SECTION B

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

6. The table below shows four principal crops produced in Kenya in 2000 and 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
TOTAL	**608,000**	**850,000**

(a) (i) Which crop had the highest change in production between 2000 and 2001? (2 marks)

(ii) Calculate the percentage increase in crop production in Kenya between 2000 and 2001. (2 marks)

(b) Using a scale of 1cm to represent 100,000 metric tonnes, draw a compound bar graph to represent the data on the table above. (7 marks)

(c) (i) What is dairy farming? (2 marks)

(ii) Name ***two*** exotic dairy breeds of cattle reared in Kenya. (2 marks)

(iii) Explain the problems facing dairy cattle farming in Kenya. (4 marks)

(d) (i) Explain why dairy farming is highly developed in Denmark than Kenya. (4 marks)

(ii) Give ***two*** significance of dairy farming in Kenya and Denmark. (2 marks)

7. (a) (i) What is forestry? (2 marks)

(ii) State ***three*** significance of agro-forestry. (3 marks)]

(b) (i) Name ***three*** indigenous hard wood tree species found in Kenyan forests. (3 marks)

(ii) Explain ***four*** problems facing natural forests in Kenya today. (8 marks)

(c) (i) Name ***two*** areas under large scale softwood forests in Canada. (2 marks)

(ii) Compare forestry in Kenya and Canada under the following sub-headings.

- Period of tree harvesting. (2 marks)
- Tree harvesting (2 marks)
- Transportation of logs. (2 marks)

8. (a) (i) What is visible trade? (2 marks)

(ii) Suppose you were an international business man, list ***three*** industrial goods you would import from Japan. (3 marks)

(b) Explain ***four*** factors that influence internal trade in Kenya. (8 marks)

(c) Why do you think trade is important in Kenya? (4 marks)

(d) Explain ***two*** benefits which member states of ECOWAS derive from the formation of the trading bloc. (4 marks)

(e) Your class intends to carry out a field study on the Nairobi Internation Trade Fair.

(i) State ***two*** methods you would use to collect data. (2 marks)

(ii) State ***two*** reasons why a pre-visit will be necessary. (2 marks)

9. (a) Distinguish between population distribution and population density. (2 marks)

(b) The table below shows the population of a country in Western Europe in 1000. Use it to answer part (i) – (iii).

Age group	Male	Female
0 – 4	450	455
5 – 9	447	449
10 – 14	448	450
15 – 19	454	458
20 – 24	480	472
25 – 29	630	632
30 – 34	635	639
35 – 39	642	671
40 – 44	670	638
45 – 49	636	568
50 – 54	562	641
54 - 59	633	639
60 – 64	631	634
65 – 69	451	452
70 – 74	470	468
75 – 79	460	459
80+	451	453

(i) Using a scale of 1cm to 100,000 people, draw a population pyramid from the above data. (7 marks)

(ii) State ***five*** characteristics of the above population structure as shown by the pyramid. (5 marks)

(iii) Explain ***four*** problems likely to be experienced due to the population trend in the above country. (4 marks)

(c) (i) What is mortality rate? (2 marks)

(ii) State ***five*** measures that have been taken in Kenya to reduce infant mortality. (5 marks)

10. (a) Differentiate between environmental conservation and environmental management. (2 marks)

(i) State ***five*** ways in which the government of Kenya promotes environmental conservation. (5 marks)

(ii) Give ***four*** reasons why it is necessary to conserve the environment. (4 marks)

(b) (i) Apart from floods, name ***three*** other environmental climatic hazards. (3 marks)

(ii) Name ***three*** areas prone to flooding in Kenya. (3 marks)

(iii) Explain ***four*** measures that can be used to control floods in Kenya today. (8 marks)

GOLDLITE ONLINE EDUCATIONAL SERVICES

Kenya Certificate of Secondary Education

SMARTFOCUS LATEST PREDICTION

TERM 3 2023

NAME …… **ADMISSION NUMBER** ……
CANDIDATE'S SIGNATURE……**DATE**……

PREDICTION 3

GEOGRAPHY PAPER 1

DURATION: 2 HOURS 45MINUTES

INSTRUCTIONS

1) *This paper consists of two sections, A and B.*
2) *Answer all questions in section A.*
3) *Answer question 6 and any other two questions in section B.*
4) *All answers must be written in English*

FOR EXAMINERS USE ONLY

QUESTION	MAXIMUM MARKS	SCORE
SECTION A 1-5	25	
6	25	
7	25	
8	25	
9	25	
10	25	
TOTAL	100	

SECTION A: 25 MARKS

1. a) What is atmosphere (2marks)

b) Name the three transition layers of the atmosphere (3marks)

2. a) Explain two ways in which vegetation in the Nyika region of Kenya find adapted to the climatic condition experienced at the areas. (4marks)

(b) Describe two ways in which biological weathering takes place (2mks)

3. a) What is the effect of international dateline on time? (2marks)

b) Give the details of each of the following seasons;

i) Equinox (1mark)

ii) Summer solstice (1mrks)

iii) Winter solstice (1marks)

4. a) Explain how the presence of cold ocean current influences the climate of the adjacent coastlands. (4marks)

5. a) What is folding? (2marks)

b) Name one fold mountain in;

i) North America (1mark)

ii) Africa (1mark)

iii) South America (1 mark)

SECTION B (75 MARKS)

6. You have been provided with a map extract of Kisumu east sheet 116/2 1:5000, study the map and answer the following questions.

a) Apart from the map provided, name the other two types of maps. (2marks)

b) Calculate the area of Kisumu municipality. Give your answer in kilometers. (3marks)

c) Describe the drainage of the area covered by the map. (4marks)

d) What is the longitudinal extend of the area covered by the map. (2marks)

e) Give the six figure grid reference of the trigonometric station near Muhoroni-Kisumu road. (2marks)

f) Explain how relief has influenced settlement in the area covered by the map. (6 marks)

g) (i)Draw a cross section between grid reference 070940 and 070000. Use the scale 1cm to represents 250m. (Marks)

(ii) On the cross section mark and name the all-weather roads (bound surface), Nyando escarpment and a hill. (6marks)

7. a) Describe the following characteristic of minerals.

i) Colour (2marks)

ii) Clearage (2marks)

iii) Hardness (2marks)

b) i) Give two types of igneous rocks (2marks)

ii) Explain three conditions necessary for the growth of coral polyps (6marks)

c) State four uses of rocks (4marks)

d) You are planning to carry out a field study on the rocks within your school environment.

i) Give two secondary sources of information you could use to prepare the field study. (2marks)

ii) State why you would need the following items during the field study;

- A fork jembe (1 mark)
- Carrier bag (1mark)

iii) Suppose during the field study you collect marble, sandstone and granite, classify each of this samples according to its mode of formation. (3marks)

8. a) Give three processes that lead to formation of lakes. (2marks)

b) i) Describe how Lake Victoria was formed. (4marks)

ii) Explain how Lake Victoria influences climate of the surrounding areas. (6marks)

c) i) a part from Lake Magadi, name two other lakes within the rift valley in lakes that have high level of salinity. (2marks)

ii) Explain three causes of salinity in Lake Magadi. (6marks)

d) Give four economic uses of lakes other than mining. (4marks)

9. a) State three characteristics of desert soil. (3marks)

b) Identify two factors that contribute to soil leaching. (2marks)

c) Explain how each of the following factors influences the formation of soil;

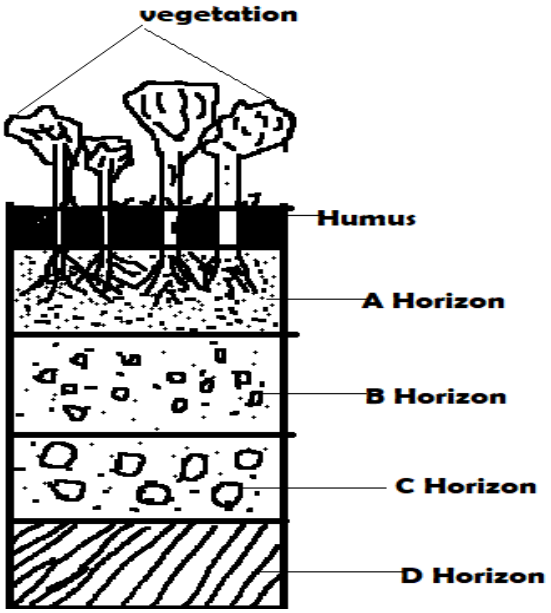
i) Nature of the parent rocks (2marks)

ii) Time (2marks)

iii) Topography (2marks)

d) (i)Define soil profile. (2marks)

(ii)The diagram below represent a well developed soil profile. State the characteristics of horizon A



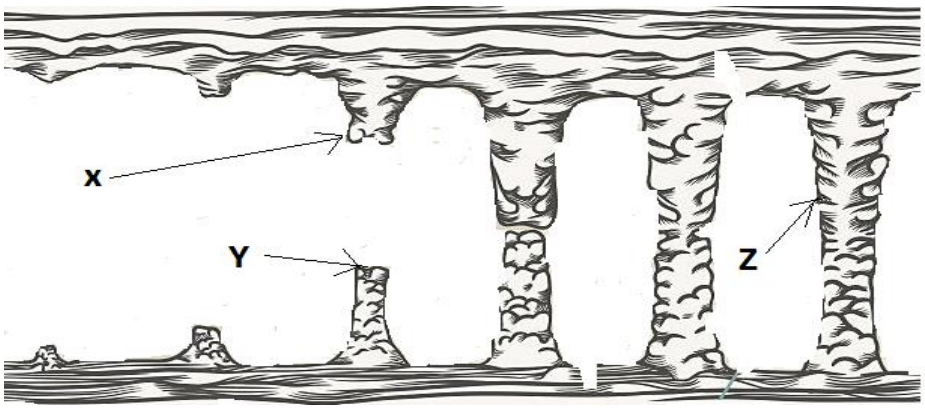
e) Explain four ways in which human activities contribute to loss soil fertility. (4 marks).

10. (a)(i)Define underground water. **(2 marks)**

(ii) Explain how the following factors influence availability of Underground water.

- Slope of the land (2mks)
- Vegetation cover (2mks)

(b)(i)State **three** conditions that are necessary for the formation of an Artesian well. **(3 mrks)**
(ii)State **three** problems that are associated with an artesian well. **(3 marks)**
(c)(i)Differentiate between a Karst scenery and Karst region. **(2 marks)**
(ii)The diagram below shows the underground features in limestone areas.



Identify the features marked **X**, **Y** and **Z**. **(3 marks)**

(d)Form four students of a school are planning to carry out a field study on a Karst landscape around their school.

(i)Name **two** surface features are likely to identify. **(2 marks)**

(ii)Give **three** reasons why they needed a working schedule. **(3 marks)**
(iii)Why was it necessary for them to divide into **groups** during their study? **(3 marks)**

GOLDLITE ONLINE EDUCATIONAL SERVICES

Kenya Certificate of Secondary Education

SMARTFOCUS LATEST PREDICTION

TERM 3 2023

NAME …… **ADMISSION NUMBER** ……

CANDIDATE'S SIGNATURE……**DATE**……

PREDICTION 3

312/2
GEOGRAPHY
PAPER 2
Time: 2¾ hrs

Instructions

1. *This paper consists of two sections A and B*
2. *Answer all questions in section A*
3. *In section B answer question 6 and any other two questions.*
4. *All answers be written in a separate answer booklet provided*

For Examiner's Use Only

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

SECTION A

Answer all the questions in this section.

1. (a)Why is Geography a unique subject ? (2 marks)
   (b) Give **three** branches of human Geography, (3 marks)
2. a) Differentiate between a forest and forestry. (2 marks)
   b) State **three** factors that have hindered exploitation of equatorial rainforest in Africa. (3 marks)
3. a) Define mining (2 marks)
   b) Name three exotic breed of dairy cattle reared in Kenya (3 marks)

4. a) Name **two** major imports from Europe to Kenya. (2 marks)
   b) State **three** problems facing developing countries in international trade. (3 marks)

5.a) State TWO factors which have led to the growth of Mombasa as a major sea port (2 mks)
   b) Name a town in Kenya where each of the following industries is located. (3 marks)
   - Oil refinery-
   - Paper manufacturing-
   - Motor vehicle assembly

SECTION B

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

6.(a)The table below shows the area under the horticultural crops in Kenya between 2000 and 2002. Use it to answer the questions below:

crop	**2000**	**2001**	**2002**
cabbages	320	340	380
tomatoes	360	360	330
onions	340	320	360
oranges	380	380	400

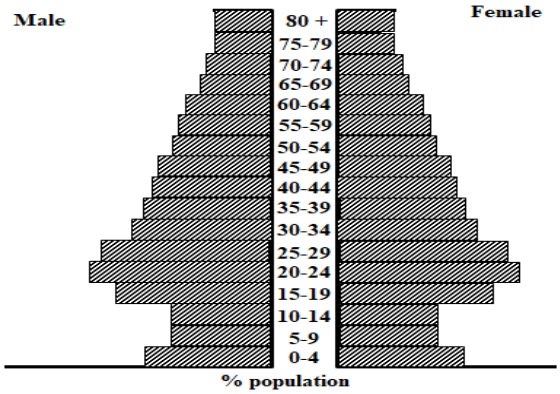
i. Name the crop that has the highest production within the period (1mk)
ii. Explain THREE reasons why horticultural farming is increasingly becoming important to Kenyan farmers. (6mks)
iii. Using 1cm to represent 10000 tonnes, draw a compound bar graph to present the data above. (6mks)
iv. Give FOUR features of horticultural farming. (4mks)

(b)

(i) Describe any THREE physical factors favoring maize caltivation in Kenya. (6mks)

(ii) A part from Trans-Nzoia county, name any other two counties where maize is grown on large scale, in Kenya (2mks)

7. a) (i) Define the term population density. (2 marks)
   (ii) Identify any **three** reasons for carrying out population census in Kenya recently.(3mks)
   b) The pyramid shown below shows population structure for a country. Use it to answer question (a).



(i) Identify any **two** countries that have population structures similar to one shown. (2 marks)

(ii) Identify any **four** characteristics associated with the population of the country. (4 marks)

b) Explain **three** problems that are likely to face a country experiencing a high population growth rate. (6 marks)

c) Describe **four** ways in which the population of Kenya differs from that of Sweden. (8 marks)

8. a.) (i) Differentiate between land reclamation and land rehabilitation (2 marks)

(ii) Identify **three** methods of land reclamation in Kenya (3 marks)

b) (i) State **four** physical factors that influenced the location of Mwea Tebere irrigation scheme (4marks)

(ii) Explain **four** problems facing Mwea Tebere irrigation scheme (8 marks)

c) (i) Name **two** major land reclamation projects that were undertaken in Netherlands (2 marks)

(ii) Give **three** differences between land reclamation in Kenya and the Netherlands. (6 marks)

9 (a) i. what is flooding (2mks)

ii. Name THREE rivers that cause large scale flooding, (3mks)

iii. State FOUR ways in which people are affected by floods. (4mks)

(b) i. What is pollution? (2mks)

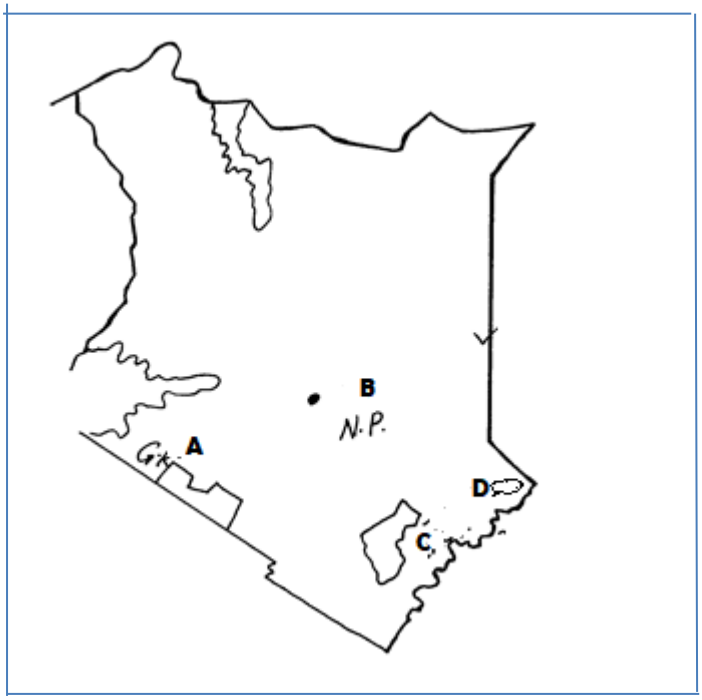
ii. Explain three ways in which farming activities contribute to water pollution. (6mks)

(c) Explain THREE measures taken by the government to manage and conserve the environment. 6mks

(ii)Name two Non –Governmental organization (NGOs)concern with environmental conservation. 2mks

10 (a) Using the map below, name the following National parks and game reserves.

A,B,C and D . 4mks



(b)(i)List four problems facing wildlife conservation in Kenya. 4mks

(ii)Give three reasons why there has been an increase in the tourist visiting Kenya (2003-2006) 3mks

(c)(i)State two characteristics of eco-tourism 2mks

(ii)Explain the measures the Kenya government is undertaking to improve domestic tourism 6mks

(d)Explain three physical factors favouring tourism in Switzerland 6mks

GOLDLITE ONLINE EDUCATIONAL SERVICES

Kenya Certificate of Secondary Education

SMARTFOCUS LATEST PREDICTION

TERM 3 2023

NAME …… **ADMISSION NUMBER** ……

CANDIDATE'S SIGNATURE……**DATE**……

PREDICTION 4

312/1

GEOGRAPHY

PAPER 1

Instructions

1. *This paper consists of two sections **A** and **B***
2. *Answer all questions in section **A***
3. *In section **B** answer question **6** and any other **two** questions.*

FOR EXAMINER'S USE ONLY

SECTION	QUESTIONS	MAX SCORE	CANDIDATE SCORE
A	1-5	25	
B	6	25	
	7	25	
	8	25	
	9	25	
	10	25	
SCORE		**100**	

Candidates should check and ensure that this paper has 6 printed pages.

SECTION A

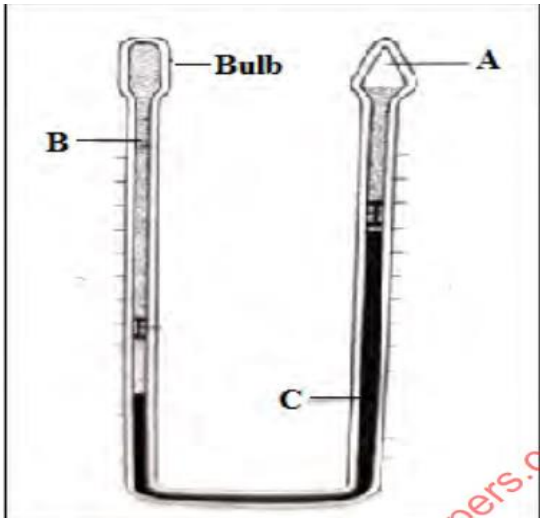
Answer all the questions in this section.

1. a) Differentiate between an axis and an orbit **(2 marks)**

b) Why was Pluto disqualified as a planet? **(2 marks)**

c) Give the actual shape of the earth **(1 mark)**

2. The diagram below shows a six's thermometer. Use it to answer question (a)



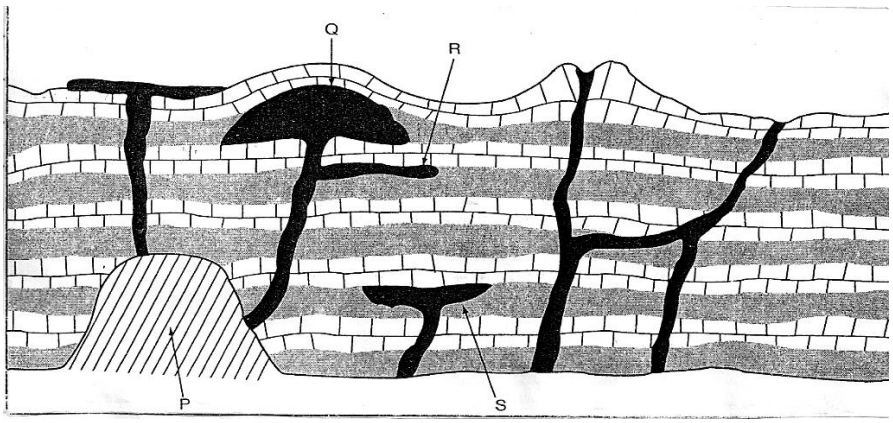
a) Identify the parts marked **A**, **B** and **C** **(3 marks)**

b) State **two** ways through which latitude influences the temperature of a place **(2 marks)**

3. a) List **three** types of glaciers **(3 marks)**

b) identify **two** main glacier erosion processes **(2 marks)**

4. The diagram below shows intrusive volcanic features. Use it to answer question (a)



a) Name the features marked **P**, **Q** and **R** **(3 marks)**

b) State two effects of vulcanicity on agriculture **(2 marks)**

5. (a) Give **two** main components of soils **(2marks)**

(b) List **three** factors that influence soil erosion **(3marks)**

SECTION B

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

6. Study the map of **Kisumu East 1:50,000 (116/2)** provided and answer the questions that follow.

a) (i)Identify **two** scales that have been used in the map. **(2 marks)**

(ii) Apart from contours, name **two** other methods used to show relief in the mapped area. **(2 marks)**

(iii) Apart from houses, Name **two** human-made features in grid square 0383. **(2 marks)**

(iv) Assume that **four** people lived in each house in the grid square 0892. Calculate the **population density.** **(2 marks)**

b) (i)Describe the flow of River Ombeyi. **(3 marks)**

(c) Reduce by half the area enclosed by Easting 00 and 10 and Northing 87 and 97.

(i)On the square mark and label. **(4 marks)**

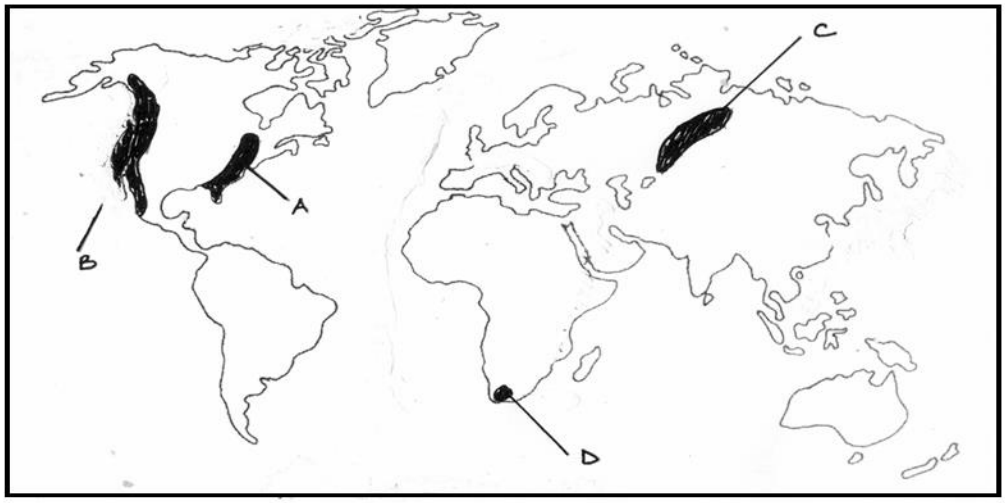
- Seasonal swamp
- River Kibos
- Railways

(ii)Calculate the new scale for the sketch you have drawn. **(2 marks)**

(d)(i) Identify two farming activities taking place in the mapped area. **(2 marks)**

(ii) Citing evidence from the map, explain three factors that favour trading in the area covered by the map. **(6 marks)**

7. (i) Study the world map below and answer the questions that follow.



(i) Name the Fold Mountains found in the area marked **B** and **C**. **(2marks)**

(b) (i) With the aid of labeled diagrams, describe how fold mountains are formed. **(10marks)**

(ii) Explain **four** significance of Fold Mountains to human activities. **(8marks)**

(c) Your class intends to carry out a field study on various features formed from folding.

(i) State **three** reasons why you need a working schedule. **(3marks)**

(ii) Give **two** methods you would use to collect data. **(2marks)**

8. (a) (i) State **two** factors that determine the type of coast. **(2marks)**

(ii) Name **three** types of coasts. **(3marks)**

(ii) Describe **three** processes of wave erosion. **(6marks)**

(b) (i) Using well-labeled diagrams describe how a cliff is formed. **(6marks)**

(ii) Explain **four** ways in which corals contribute to the economic development of Kenya. **(8marks)**

9. (a) **a)** i) Give **two** types of desert surfaces (**2 marks)**

(ii) Name any **three** features formed as a result of water erosion in deserts **(3 marks)**

(iii) Explain **three** processes through which wind transports its load. **(6marks)**

(b**) (i)** Using well-labeled diagrams, describe how a rock pedestal feature is formed **(6marks)**

(ii) Explain **four** significance of desert features to humans **(8marks)**

10. (a)(i) What is a glacier? **(2 marks)**

(ii) Describe how a glacier is formed. **(4 marks)**

(b) Describe **two** processes of ice erosion on a glaciated highland. **(6 marks)**

(c)(i) Apart from Crag and Tail, name **two** other features formed by ice erosion in lowlands. **(2 marks)**

(ii) Describe how a crag and tail is formed**.** **(5 marks)**

(d) Explain **three** positive effects of glaciation in the lowland areas. **(6 marks)**

THIS IS THE LAST PRINTED PAGE

GOLDLITE ONLINE EDUCATIONAL SERVICES

Kenya Certificate of Secondary Education

SMARTFOCUS LATEST PREDICTION

TERM 3 2023

NAME …… **ADMISSION NUMBER** ……

CANDIDATE'S SIGNATURE……**DATE**……

PREDICTION 4

GEOGRAPHY

312/2

TIME: 2Hrs 45Min

INSTRUCTIONS:

a) *Write your name and index number in the spaces provided*
b) *Sign and write the date of examination in the spaces provided*
c) *This paper consists of two sections; A and B*
d) *Answer all questions in section A ,answer question 6 and any two questions from section B*
e) *Answers must be written in the spaces provided at the end of question 10*

SECTION	QUESTIONS	MAXIMUM SCORE	CANDIDATE SCORE
A	1-5	25	
B	6	25	
		25	
		25	

TOTAL SCORE 100

SECTION A (Answer all questions in this section)

1. (a) Give two climatic conditions that favour tea farming in Kenya (2marks)

(b)State three problems facing tea farming in Kenya (3marks)

2. (a)Apart from Nairobi name two other cities in Kenya (2marks)

(b)Outline three social problems facing New York City (3marks)

3. (a)Identify two types of trade (2marks)

(b)Give three factors that limit trade among the East African countries (3marks)

4. (a)State three measures which the government of Kenya has taken to reduce infant mortality (3marks)

(b)Give three negative effects of low population growth in a country (3marks)

5. (a)Identify three factors that favour beef farming in Kenya (3marks)

(b)Outline two characteristics of nomadic pastoralism (2marks)

SECTION B (Answer question six and any other two from this section)

6. (a) The table below shows the number of tourists who visited Kenya from various parts of the world in 2005 and 2006. Use it to answer question a and b

PLACE	**2005**	**2006**
Europe	942000	965000
Africa	120000	154000
Asia	97000	128000
North America	94000	103000
Australia and New Zealand	19000	24000
All other countries	29000	41000
Total	**1301000**	**1415000**

(a)(i)Which continent had the highest increase in the number of tourists visiting Kenya between 2005 and 2006?(2marks)

(ii)Calculate the percentage increase from Australia and New Zealand between 2005 and 2006.

(iii)Draw a divided rectangle 15cm long to represent the number of tourists that visited Kenya in 2006. Show calculations (8marks)

(b)(i)State two advantages of divided rectangle to represent geographical data (2marks)

(ii) State four problems associated with tourism in Kenya (4marks)

(c)Give three reasons why domestic tourism is being encouraged in Kenya

(d)Explain two differences tourism in Kenya and Switzerland (4marks)

7. (a)(i)Define the term dairy farming (2marks)

(ii)Name two types of dairy cattle kept in Kenya

(b)(i)State three physical conditions that favour dairy farming in Kenya highlands (3marks)

(ii)Give two counties in Kenya where dairy farming is practiced in large scale (2marks)

(a)(i)Explain four problems facing dairy farming in Kenya (8marks)

(ii)Give two reasons why Denmark produces more dairy products than Kenya (4marks)

(d)You intend to carry out field study in a dairy farm

(i)Give two methods you would use to collect data (2marks)

(ii)Write down two characteristics of a good dairy cow you are likely to identify while in the field (2marks)

8. (a)(i)Define the term mining (2marks)

(ii)Identify three forms in which minerals occur (3marks)

(b)(i)Name the area in which the following minerals are mined

-Limestone

-Titanium

-Flouspur

(ii)Apart from shaft mining method, name other two methods of mining (2 marks)

(c)(i)Describe the process of large scale gold mining in South Africa using shaft mining method (6marks)

(ii)Give three uses of gold (3marks)

(d)Explain three problems facing mining industry in Kenya (6marks)

9. (a)(i)Differentiate between land reclamation and land rehabilitation (2marks)

(ii)State four conditions that make it necessary rehabilitate or reclaim land (4marks)

(b)(i)Name three methods of irrigation used in Kenya (3marks)

(ii)State three physical conditions that favoured the establishment of Perkerra irrigation scheme

(c)Explain three problems facing irrigation farming in Kenya (6marks)

(d)(i)Name two main reclamation projects in Netherlands

(ii)Outline the stages involved in reclaiming land from the sea in Netherlands (5marks)

(iii)State two ways of reducing salinity of the polders in Netherlands

10. (a) (i)What is forestry ?(2marks)

(ii)State three factors that faced the growth of natural forests on the slopes of Mount Kenya (3marks)

(iii)State three factors that have led to reduction of the area under forests

(b)(i)Apart from coniferous forestry, name two other types of natural forests (2marks)

(ii)State three characteristics of coniferous forests which favour their exploitation (3marks)

(c)Explain three measures that the government of Kenya has taken to conserve forests in the country (6marks)

(d)Students from Itierio School conducted field study in Kodera forest.

(i)Give two reasons why they needed a rout map (2marks)

(ii)State four characteristics of tropical hardwood forest they might have identified (4marks)

GOLDLITE ONLINE EDUCATIONAL SERVICES

Kenya Certificate of Secondary Education

SMARTFOCUS LATEST PREDICTION

TERM 3 2023

NAME ..... ADMISSION NUMBER .....
CANDIDATE'S SIGNATURE.....DATE.....

PREDICTION 5

312/1
GEOGRAPHY
PAPER 1
TIME: $2^{3}/_{4}$ HOURS

INSTRUCTIONS TO CANDIDATES

1. Write your name and index number in the spaces provided above
2. This paper consists of **TWO** sections A and B
3. Answer **ALL** questions in Section A. In section B answer **QUESTION 6** and any other **TWO.**
4. All answers **MUST** be written in the spaces provided at the end of question 10
5. Do not remove any pages from this booklet

Section	Questions	Maximum Score	Candidates Score
A	1 – 5	25	
B	6	25	
		25	
		25	
	TOTAL SCORE	100	

This paper consists of 5 printed pages.
Candidates should check the question paper to ensure that all pages are printed as indicated and no questions are missing

SECTION A

Answer ALL questions in this section

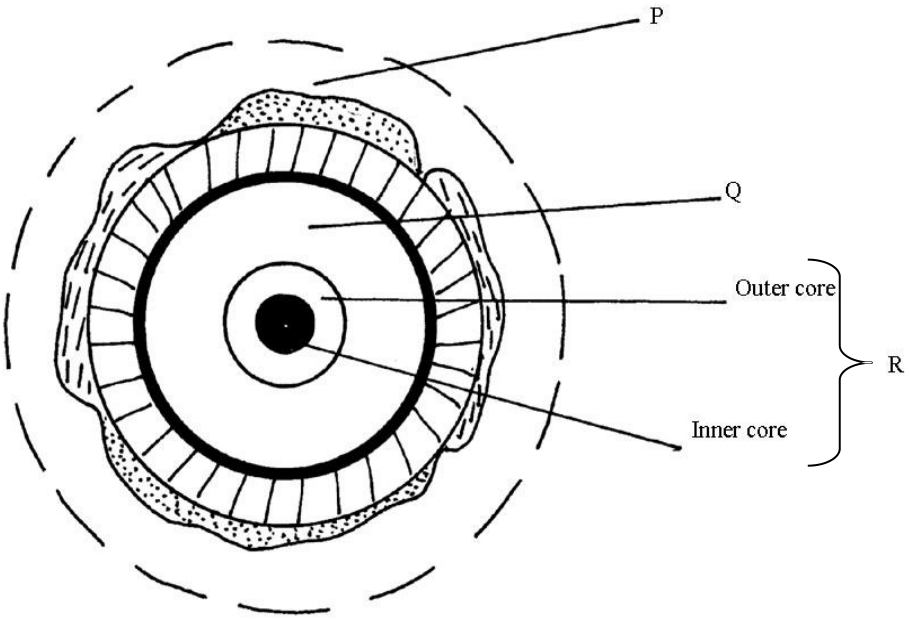
1. (a) Differentiate between soil catena and soil profile. (2mks)

   (b) Name three processes of soil formation. (3mks)

2. (a) Name the two major types of earth movements that occur within the earth's crust. (2mks)

   (b) Give three evidences to support the continental drift theory. (3mks)

3. (a) The diagram below represents the structure of the earth. Use it to answer questions (a)



   (a) Name

      (i) The parts marked P and Q. (2mks)

      (ii) Give three characteristics of the part marked R. (3mks)

4. (a) Give two factors that influence the occurrence of underground water. (2mks)

   (b) Describe how a doline is formed. (2mks)

5. (a) Give two physiographic factors that influence the distribution of vegetation. (2mks)

   (b) State three characteristics of coniferous forests. (3mks)

SECTION B:

Answer question 6 and any other two questions from this section

6. Study the map of Kisumu East (1:50,000) sheet 116/2 provided and answer the following questions

(a) (i) Give the six–grid reference of the trigonometrical station at grid square 0294 (1mk)

(ii) Using the marginal information, give the magnetic variation of the area as at January 1970. (2mks)

(iii) Measure the distance along the bound surface road from the junction at Mamboleo in grid square 9793 to the North West end. (2mks)

(iv) What is the approximate height of the hill in grid square 0998 on the North East Corner. (2mks)

(b) Using a vertical scale of 1 cm to represent 20 metres

(i) Draw a cross – section from grid reference 960960 to010960. (3mks)

(ii) On the cross-section, mark and name

(i) All weather road bound surface (1mk)

(ii) Main track (1mk)

(iii) River Awach (1mk)

(iii) Calculate the vertical Exaggeration for the cross-section. (1mks)

(c) (i) Explain two physical factors which have influenced the distribution of settlements in the area covered by the map. (4mks)

(ii) Citing evidence from the map, give two social functions of Kisumu town in the area covered by the map. (2mks)

(d) Describe the drainage of the area covered by the map. (5mks)

7. (a) (i) What is a rock? (2mks)

(ii) Describe three ways through which sedimentary rocks are formed. (6mks)

(b) Describe the process through which sedimentary rocks change to metamorphic rocks (4mks)

(c) Give examples of each of the following igneous rocks

(i) Plutonic rock (1mk)

(ii) Hypabyssal rock (1mk)

(iii) Volcanic rock (1mk)

(d) Students from a secondary school were to carry out a field study of rocks within their district

(i) Name **three** secondary sources of information they would use to prepare for the field study (3mks)

(ii) State **four** activities they would carry out during the field study. (4mks)

(iii) State **three** problems they are likely to face during the study. (3mks)

8. a) i) What is folding? (2 marks)

ii) Apart from fold mountains, name three other features resulting from folding (3 marks)

b) i) Name three types of folds. (3 marks)

ii) In which countries are the following fold mountains found?

- Andes (1mk)
- Cape Ranges (1mk)
- Alps (1mk)

c) With the aid of well labeled diagrams, describe how Fold Mountains are formed. (6 marks)

d) Explain the significance of Fold Mountains to human activities. (8mks)

9. (a) (i) State three conditions that favour wind action in arid areas. (3mks)

(ii) Name three types of desert surfaces. (3mks)

(b) Explain three factors which influence wind transportation in deserts. (6mks)

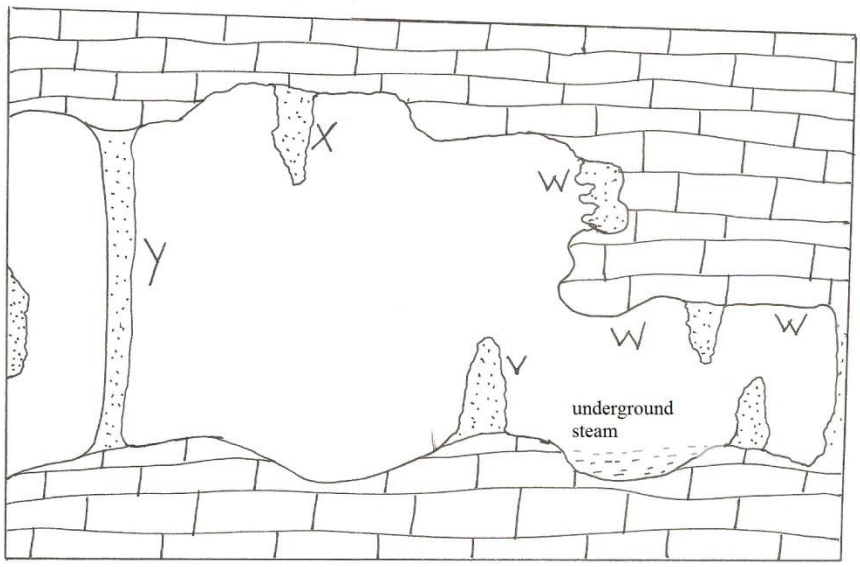
(c) With the aid of diagrams explain how the following features are formed.

(i) Oasis (4mks)

(ii) Rock Pedestal (4mks)

(d) Mention five positive effects of desert features to the human environment. (5mks)

10. The diagram below represents underground features in a limestone area. Use it to answer question (a)



(a) (i) Name the features marked X, V and W (3mks)

(ii) Describe how the feature marked Y is formed (6mks)

(b) (i) What is an artesian basin (2mks)

(ii) Explain 3 factors which influence the formation of features in limestone areas (6mks)

(c) You are supposed to carry out a field study of an area eroded by water

(i) Give 3 reasons why you would need a map of the area of study (3mks)

(ii) Name 2 erosional features you are likely to identify during the field study (2mks)

(iii) State three recommendations that you would make from your study to assist the local community to rehabilitate the eroded area (3mks)

GOLDLITE ONLINE EDUCATIONAL SERVICES

Kenya Certificate of Secondary Education

SMARTFOCUS LATEST PREDICTION

TERM 3 2023

NAME …… **ADMISSION NUMBER** ……
CANDIDATE'S SIGNATURE……**DATE**……

PREDICTION 5

312/2
GEOGRAPHY
Paper 2
Time: 2¾ hours

INSTRUCTIONS TO CANDIDATES

- *This paper has two sections: **A** and **B**.*
- *Answer **all** the questions in section **A**.*
- *Answer question **6** and any other **two** questions from section **B**.*
- *All answers must be written in separate answer sheets provided.*
- *This paper consists of 4 printed pages.*

FOR EXAMINERS USE

SECTION	QUESTION	CANDITATE SCORE
A	1 - 5	
B	6	
	7	
	8	
	9	
	10	
TOTAL		

SECTION A

Answer all the questions in this section

1. (a) Mention two areas of study in practical geography (2mks)

b) State three importance of studying geography in schools (3mks)

2. (a) Apart from age-sex pyramid, mention two other statistical methods studied at form four level. (2mks)

(b) Give three details which can be extracted from an age-sex pyramid. (3mks)

3. (a) Give two counties in Kenya where maize is grown in large scale (2mks)

(b) State three marketing problems facing maize farmers in Kenya. (3mks)

4.(a) Identify two traditional methods of preserving fish. (2 mks)

b) State three measures that have been taken to conserve fisheries in Kenya. (3mks)

5.(a) Name three renewable sources of energy. (3mks)

(b) State two disadvantages of using coal as a source of energy. (2mks)

SECTION B

Answer question 6 and any other two questions from this section

6. The data below represents sugarcane production in five major factories in Kenya in the year 2007. Use it to answer the following questions.

FACTORY	PRODUCTION IN 000'TONNES
SONY	50
NZOIA	100
CHEMELIL	200
MUHORONI	250
MUMIAS	400

.(a) (i)Using the data above, draw a divided rectangle measuring 15cm long. (7 mks)

(ii) Calculate the difference in tonnage produced by Muhoroni and Nzoia companies. (1 mk)

(iii) List two advantages of representing data using a divided rectangle. (2mks)

(b) Explain four Physical conditions required for growing sugarcane in Kenya. (8 mks)

(c) (i) Give three uses of sugar. (3 mks)

(ii) State four Benefits of sugarcane growing to the Kenyan economy (4 mks)

7.a) (i) What is the distinction between land reclamation and land rehabilitation. (2mks)

(ii) Other than irrigation, name two other methods of reclaiming waste lands. (2mks)

b) i) State four physical factors that favoured the location of Mwea irrigation scheme. (4mks)

ii) State three problems facing Perkerra irrigation scheme. (3mks)

iii) Explain four economic benefits of irrigation farming in Kenya. (8mks)

c) (i) What does the term Polder refers to? (2mks)

(ii) State four benefits of delta plan project. (4mks)

8. a) Name four major minerals mined in the Rift Valley region of Kenya. (4mks)

b) Describe the Open cast method of mining. (7mks)

c) Explain how the following factors influence mining.

(i) Value of the minerals (2mks)
(ii) Mode of occurrence of minerals (2mks)

(iii)Transport system (2mks)

d) Explain four Problems facing the mining industry in Kenya. (8mks)

9(a)(.i) Differentiate between a forest and forestry. (2 mks)
ii) Mention three major forests found in Coastal part of Kenya. (3mks)
b. (i) State three benefits of Agro-forestry (3 mks)
ii) Describe the Characteristics coniferous forests forests. (5 mks)
c .(i) Explain three ways of how forests regulate local climate. (6 mks)
d. Students from a school in Laikipia visited Mt. Kenya Forest for a field study
(i) State three reasons why they needed a route map.
(3 mks)
ii) State three ways in which the students' findings would assist the local people. (3mks)

10. (a) (i) Define the tern tourism (2mk)

(ii) Apart from establishing Nationa parks, give other four ways in which wildlife is conserved in kenya
(4mks)

(b)State four reasons why domestic tourism is being encouraged in Kenya (4mks|)

(c) State four problems experienced by the Kenya government in its efforts to conserve wildlife (4mks)

(d) Explain three factors which make Switzerland receive more tourist than Kenya (6mks)

(e)You intend to carry out a field study on tourism in the rift valley region of Kenya

(i)Name three tourist attraction you would find in the Region (3mks)

(ii)State two objectives for field study (2mks

GOLDLITE ONLINE EDUCATIONAL SERVICES

Kenya Certificate of Secondary Education

SMARTFOCUS LATEST PREDICTION

TERM 3 2023

NAME …… **ADMISSION NUMBER** ……
CANDIDATE'S SIGNATURE……**DATE**……

PREDICTION 6

312/1
GEOGRAPHY
Paper 1
Time: 2¾ hours

INSTRUCTIONS TO CANDIDATES

- *This paper has two sections: **A** and **B**.*
- *Answer **all** the questions in section **A**.*
- *Answer question **6** and any other **two** questions from section **B**.*
- *All answers must be written in separate answer sheets provided.*
- *This paper consists of 4 printed pages.*

FOR EXAMINERS USE

SECTION	QUESTION	CANDITATE SCORE
A	1 - 5	
B	6	
	7	
	8	
	9	
	10	
TOTAL		

2023

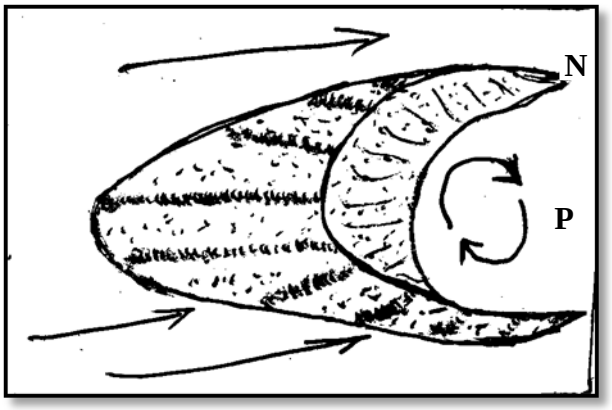
SECTION A

Answer all questions in this section

1. (a) What is the relationship between Geography and Physics. (2 marks)

(b) Name three main layers of the atmosphere from the earth's surface upwards. (3 marks)

2. The diagram below shows a barchan.



(a) Name the feature marked N. (1 mark)

(b) Name the air currents marked P. (1 mark)

(c) Give three reasons why wind erosion is dominant in hot deserts (3 marks)

3. (a) Differentiate between vulcanicity and volcanicity? (2 marks)

(b) State three effects of vulcanicity on agriculture (3 marks)

4. (a) State three causes of earth movements (3 marks)

(b) Name two main earthquake zones in world (2 marks)

5. (a) Define the term oceans (2 marks)

(b) State three reasons why ocean waters are salty (3 marks)

SECTION B

Answer question 6 and any other two questions from this section

6. Study the map of **Kisumu East 1: 50,000 (Sheet 116/2)** provided to answer questions that follow.

(a) (i) Give the sheet title. (2 marks)

(ii) Give the longitudinal extent of the area covered by the map. (2 marks)

(iii) Measure the length of the all-weather road bound surface 1321, from the junction at grid reference 974911 to the western edge of the map. Give your answer in kilometres. (2 marks)

(b) (i) calculate the area of Kisumu Town. Give your answer in km². (2 marks)

(ii) Name three human made features in the grid reference 0383 (3 marks)

(c) Describe the drainage of the area covered by the map. (5 marks)

(d) (i) Using a vertical scale of 1cm represents 20 metres, draw a cross section between Eastings 95 and 01 along Northing 98. (4 marks)

On the cross section, mark and label:

- Regional boundary (1 mark)
- River (1 mark)
- Road (1 mark)

(ii) Calculate the vertical exaggeration, (V.E) of the cross section. (2 marks)

7. (a) (i) Apart from simple fold, name three other types of fold. (3 marks)

(ii) Identify two characteristics of simple fold. (2 marks)

(iii) Give two factors that influence the magnitude of folding (2 marks)

(b) Mention three fold-mountain forming periods. (3 marks)

(c) (i) Using a well-labelled diagram, describe the formation of a fold mountain. (7 marks)

(ii) State three significance of fold mountain to man (3 marks)

(d) suppose you carried out a field study in an area affected by folding.

(i) List three methods you used to collect data. (3 marks)

(ii) Give two reasons why you could conduct a pre-visit. (2 marks)

8. (a) (i) What is soil catena? (2 marks)

(ii) Give three components of soil. (3 marks)

(b) (i) List characteristics of desert soils. (3 marks)

(ii) Give two factors that contribute to soil leaching (2 marks)

(c) (i) state two economic uses of soils. (2 marks)

(ii) Explain how the following farming practices may lead to loss of soil fertility:

- Overgrazing (2 marks)
- Frequent ploughing (2 marks)
- Continuous irrigation (2 marks)

(d) You are supposed to carry out a field study of an eroded area.

(i) What information would you collect through observation that would indicate that the area is severely eroded? (3 marks)

(ii) State four recommendations you would give to control soil erosion. (4 marks)

9. (a) (i) List any three sources of underground water (3marks)

(ii) Differentiate pervious rocks from porous rocks (2marks)

(b) Explain four factors that influence the occurrence of underground water. (8marks)

(c) (i) Mention any three factors necessary for the formation of karst features. (3marks)

(ii) List any three underground features of karst areas (3marks)

(d) Explain any three significance of karst features to man. (6marks)

10. (a) What is river capture? (2 marks)

(b) (i) List three types of meanders at a lower course of a river. (3 marks)

(ii) State three factors influencing the rate of erosion. (3 marks)

(c) (i) Give three processes of river erosion (3 marks)

(ii) Describe four processes through which a river transports its load (8 marks)

(d) Explain three negative influences of rivers on human activities (6 marks)

GOLDLITE ONLINE EDUCATIONAL SERVICES

Kenya Certificate of Secondary Education

SMARTFOCUS LATEST PREDICTION

TERM 3 2023

NAME …… **ADMISSION NUMBER** ……

CANDIDATE'S SIGNATURE……**DATE**……

PREDICTION 6

312/2

GEOGRAPHY

Paper 2

Time: 2¾ hours

INSTRUCTIONS TO CANDIDATES

- *This paper has two sections: **A** and **B**.*
- *Answer **all** the questions in section **A**.*
- *Answer question **6** and any other **two** questions from section **B**.*
- *All answers must be written in separate answer sheets provided.*
- *This paper consists of 5 printed pages.*

FOR EXAMINERS USE

SECTION	QUESTION	CANDITATE SCORE
A	1 - 5	
B	6	
	7	
	8	
	9	
	10	
TOTAL		

SECTION A

Answer all the questions in this section

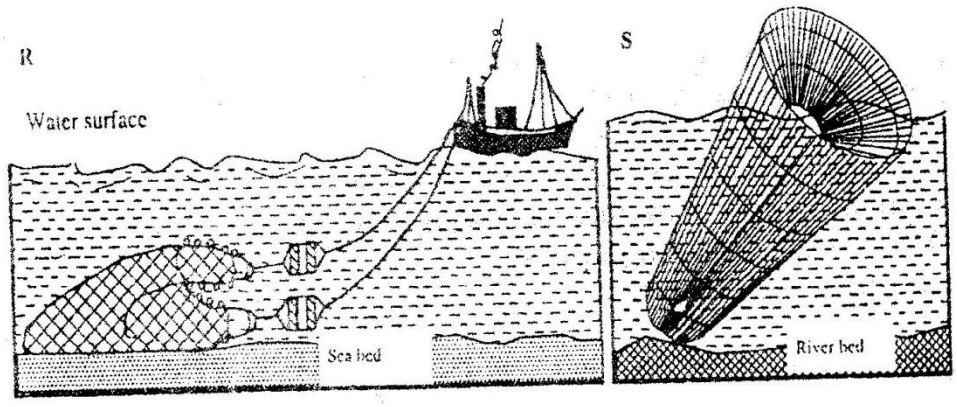
1. (a) Give **three** reason why primary industries are located close to raw materials. **(3mks)**

(b) State **three** characteristics of cottage industries in India**.** **(3mks)**

2. a)Name any **two** types of irrigation used in Mwea irrigation scheme. **(2mks)**

b) Name any **three** factors which influence the location of Mwea irrigation scheme**. (3mks)**

3. The diagrams below represent some fishing methods



(a) Identify the fishing methods marked **R** and **S** **(2mks**

(b) State **three** disadvantages of using method marked S. **(3mks**

4 (a) Apart from windstorms, name **two** other environmental hazards associated with climatic conditions **(2 mks)**

(b) State **three** problems caused by windstorms in Kenya **(3mks**

5 State **four** human factors that favour dairy farming in Denmark. **(4mks**

SECTION B

Answer question 6 and any other two questions from this section

6.The table below shows the number of passengers that used railway transport in the selected countries in 1997 and 2007. Use it to answer question (a) and (b)

COUNTRY	**PASSENGERS IN MILLIONS**	
	1997	2007
Canada	4,200	3,000
U.S.A	27,700	16,600
Argentina	14,100	12,000
India	96,800	163,800
Japan	258,400	311,900

a) (i) Using a scale of 1cm to represent 20,000 million passengers , draw **comparative bar** graphs based on the data above **(8mks)**

ii) State **three** advantages of using bar graphs in presenting data **(3mks)**

b) Calculate the **percentage decline** in railway passenger transport in Canada between 1966 and 1977. **(2mks)**

c) Explain **three** reasons why there are few railway links among African countries **(6mks)**

d) Explain **three** ways through which Kenya has benefited from her international airports.

(6mks)

7 a) (i) Classify mining into **three** broad categories. **(3mks)**

(ii) Name **two** sea ports through which some mineral mined in East Africa are exported. **(2mks**

(b) State any **four** factors that influence the exploitation of minerals (**4mks)**

(c) Explain **four** ways in which oil mining contributes to the growth of economy of Kenya. **(8 mks)**

(d) (i) Explain **three** ways in which mining derelicts can be reclaimed. **(6mks)**
(ii) Give **two** uses of diatomite. **(2mks)**

8. (a) Identify **three** sources of renewable energy. **(3mks)**

(b) (i) Name **three** mai*n* hydro-electric power stations along river Tana**.** **(3mks)**
(ii) Apart from providing electric power, state **four** other benefits of the dams along river Tana. **(4mks)**

(iii) Identify **two** problems that affect the production of power along River Tana. **(2mks**

(c) Explain **four** measures the government of Kenya has taken to conserve energy. **(8mks)**

(d) Some students carried a field study on sources of energy by sampling the households around their school.
(i) Identify **two** sampling techniques the students used during the study. **(2mks)**
ii) Give **three** advantages of using sampling in the study of the households. **(3mks)**

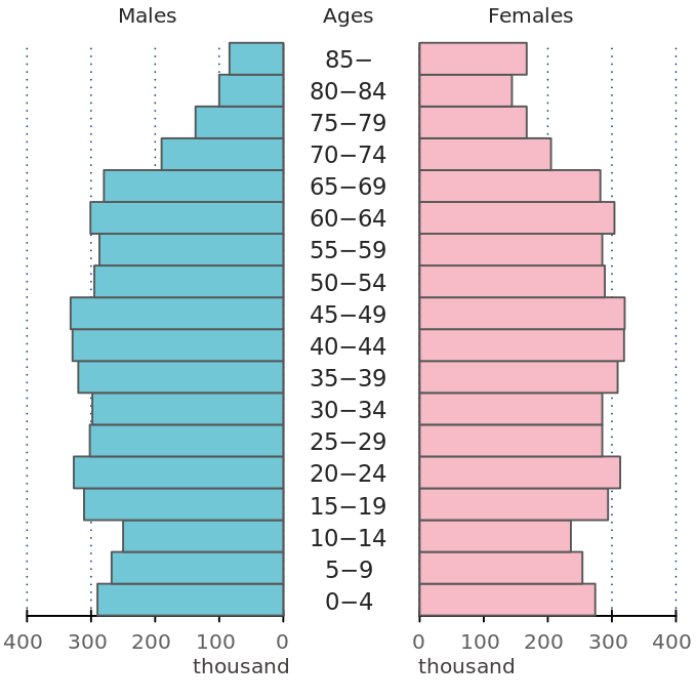
9(a)(i) What is life **expectancy?** **(2mks**

(ii) Apart from population census, give ***two*** other primary sources of population data. **(2 mks**)

(iii) State ***three*** significance of population census to a country. **(3mks)**

(b) Explain ***four*** factors that have led to a high population density in the Kenya Highlands.
(8 mks)

(c) The pyramid below represents the population structure of Sweden.



Population pyramids of Sweden 2011 (OECD stat)

Describe **four** characteristics of population represented by the pyramid.
(4 mks)

(d) Explain ***three*** cause of urban-rural migration. **(6 mks)**

10. (a) (i) Give **two** species of coffee grown in Kenya **(2mks)**

(ii) State **four** physical factors that favour coffee growing in Kenya **(4mks)**

(b). Describe coffee growing in Kenya from planting to harvesting **(7mks)**

(c) State four ways through which Kenyan government assist small scale coffee farmers **(4mks)**

(d) Explain **four** ways through which the Brazilian government responds to the problems facing coffee industry in Brazil **(8mks)**

GOLDLITE ONLINE EDUCATIONAL SERVICES

Kenya Certificate of Secondary Education

SMARTFOCUS LATEST PREDICTION

TERM 3 2023

NAME …… **ADMISSION NUMBER** ……
CANDIDATE'S SIGNATURE……**DATE**……

PREDICTION 7

312/1GEOGRAPHY

PAPER 1

Time 2 ¾ Hours

Instructions to Candidates

- *Answer all the questions in section a*
- *In section b answer question 6 and any other two questions*
- *ALL answers must be answered in English.*

FOR EXAMINERS USE ONLY

SCORE SHEET

QUESTION	SCORE
SECTION A (1-5)	
6	
7	
8	
9	
10	
TOTAL	

SECTION A 25 MARKS

1. a) Define environment (2mks)
   b) Identify three areas of study under physical geography (3mks)
2. State two effects of international date line (2mks)
   b) If the time in Lodwar, Kenya (Longitude 34°E) is 1600hrs, what is the time in Accra (longitude 0°) (3mks)
3. a) Apart from an overthrust fold, name two other types of folds (2mks)
   b) Name the young fold mountains in the following continents (3mks)

   Europe
   Asia
   North America

4. a) Give the type of delta found at the mouth of (2mks)
   i) River Nile
   ii) River Omo

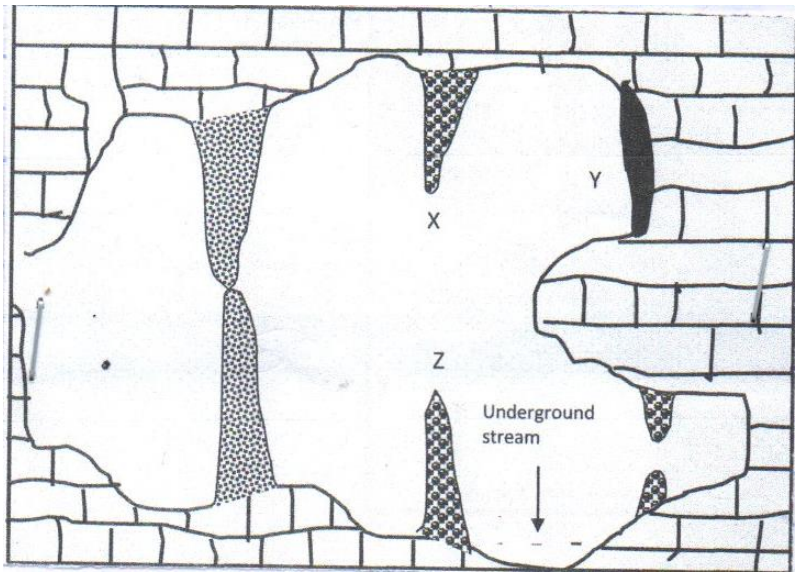
   b) State one effects of each of the following types of erosion (3mks)

   i) Headwand erosion

   ii) Lateral erosion

   iii) Vertical erosion

5. The diagram below represents features in a limestone area



   a) Name the features marked x,y and z (3mks)
   X
   Y
   Z
   b) State three conditions necessary for the development of Karst scenery (3mks)

SECTION B

6. **Study the map of Kisumu East 1:50000(sheet 116/2 provided and answer the following questions**

a) i) What is the latitudinal extent of the map (2mks)

ii) Name three physical features in the grid square 0698 (2mks)

iii) Identify the two methods used to show relief on the map (2mks)

iv) Give the bearing of a trigonometrical station on grid square 0383 from an air photo principal point at grid square 0286 (2mks)

v) Name the two drainage features found in the area covered by the Map. (2mks)

b) i)Using a scale of 1 cm to represent 50 metres, draw a cross section from grid provided 970980 to 030980 (7mks)

ii) On it mark and label the following:

Dry weather road (1mk)

Motorable track (1mk)

River Nyangori (1mk)

iii) Calculate the vertical exaggeration (2mks)

c) Describe the relief of the area covered by the map (4mks)

d) Citing evidence from the map give two social activities carried out in Kisumu Municipality (2mks)

7. a)i) Describe the following characteristics of rocks

Texture (1mk)

Tenacity (1mk)

ii) Describe how mechanically formed sedimentary rocks are formed (4mks)

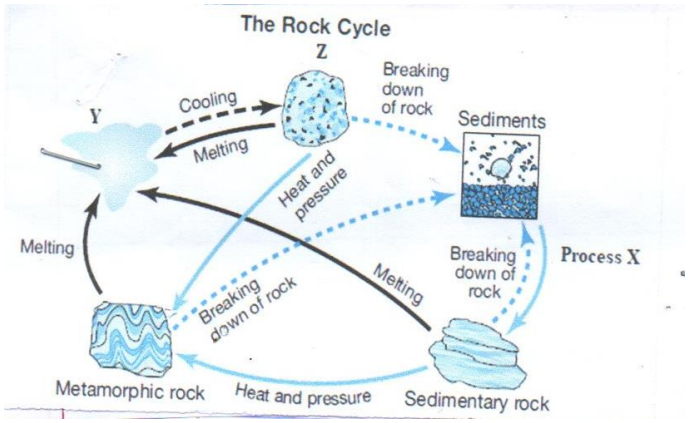
b) Name the metamorphanic equivalent of the following rocks: (3mks)

i) Sandstone

ii) Limestone

iii)Granite

c) The diagram below shows the rock cycle study it and answer the questions that follow. Identify the following



i) Process x (1mk)

ii) Material y (1mk)

d) State three characteristics of z (3mks)

e) Explain the economic significance of rocks in Kenya under the following sub-headings

i) Tourism (2mks)

ii) Agriculture (2mks)

iii) Industry (2mks)

f) Students carried out a field study on rocks around their school.

i) State two importance of stating the objectives for their study (2mks)

ii) Give three reasons why they prepared a route map of the area of the study (3mks)

8a(i)Name two components of soil (2mks)

ii) Give two ways in which soils are formed (2mks)

b) Explain how the following factors influence soil formation

i) Climate (4mks)

ii) Topography (4mks)

c)i) Other than soil erosion, state other two ways in which soils may be degenerated (2mks)

ii) Briefly explain the effects of soil erosion to human activities (4mks)

iii) Draw a well labelled diagram of soil catena (2mks)

d)Your class intend to conduct a field study on an area under soil erosion within your district

i) Name two types of soil erosion they are likely to identify during the study (2mks)

(ii) State three conservation you are likely to recommend to the residents in the area (3mks)

9ai) Explain three factors that influence the distribution of vegetation in Kenya (2mks)

ii) Give three major types of vegetation in Kenya (3mks)

b (i) What is climax vegetation 2mks)

ii) Explain factors that have led to decline of natural grassland in Kenya (6mks)

c) State four characteristics of savannah vegetation (4mks)

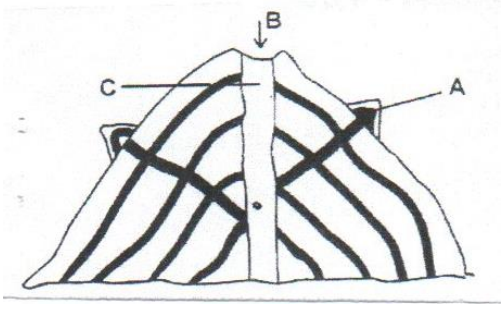
d) Give four significance of forest vegetation (4mks)

10a) Differentiate between magnitude and intensity of an earthquake (2mks)

b i)List down three major earthquake zones of the world (3mks)

ii) Identify four natural causes of earthquake (4mks)

c) The diagram below represents the feature formed by vulcanicity. Use it to answer question.



i)Identify the features A,B and (3mks)

ii) Describe how the above feature is formed (5mks)

d) You are to carry out a field study on vulcanicity around your school.

i) Identify three extrusive landforms you are likely to identify. (3mks)

ii) State three methods you would use to correct the data (3mks)

iii) State two ways in which you would prepare for field study (2mks)

GOLDLITE ONLINE EDUCATIONAL SERVICES

Kenya Certificate of Secondary Education

SMARTFOCUS LATEST PREDICTION

TERM 3 2023

NAME …… **ADMISSION NUMBER** ……

CANDIDATE'S SIGNATURE……**DATE**……

PREDICTION 7

GEOGRAPHY
PAPER 2
Time 2 Hours 45 Min

Instructions to Candidates

1) *Answer all the questions in section A*
2) *Attempt questions 6 and any other two questions from section B*
3) *Use separate foolscaps to answer each questions in section B*
4) *Each question to be stated in a new foolscap*
5) *ALL answers must be answered in English.*

FOR EXAMINERS USE ONLYSCORE SHEET

QUESTION	SCORE
SECTION A (1-5)	
6	
7	
8	
9	
10	
TOTAL	

SECTION A

Answer all the questions in this section

1. a) A part from water population name two other types of population (2mks)
   b) State three reasons why the use of plastics is being discouraged in Kenya (3mks)
2. a) Name two types of settlements patterns (2mks
   b). Outline three physical factors that influence the location of a settlement (3mks)
3. a) Distinguish between fishing and fisheries (2mks)
   b) State the significance of fish farming to the Kenyan economy (3mks)
4. a) Define communication (2mks)
   b). List three forms of telecommunication services in Kenya (3mks)
5. a) Give two main sources of population data (2mks)
   b) Outline the information that can be deduced from a population pyramid (3mks)

SECTION B

ANSWER QUESTION 6 AND ANY OTHER TWO QUESTION FROM THIS SECTION

6. The table below shows gazzetted forest (in hectares in Nairobi in 1981- use it to answer questions a (i) and a (iii)

FOREST	TOTAL AREA (HECTARES)
Ngong	1325
Dagoretti	764
Ololua	668
Embakasi	573

a) i)Calculate the percentage decrease of the forested area from Ngong forest and Dagoreti forest. (2mks)

ii) Draw a divided rectangle measuring 15cm long to represent the area of forest in Nairobi. (10mks)

iii) State two advantages of using divided rectangle to represent statistical data (2mks)

b) Explain four factors that limit the exploitation of tropical rainforest in Africa. (8mks)

c) Give three measures being taken to conserve forest in Kenya (3mks)

7. a) (i) Distinguish between bilateral and multilateral trade (2mks)
   (ii) State any four factors that influence trade (4mks)
   b) (i) Name any three trading blocks in Africa (3mks)
   (ii) Explain any four benefits of trading blocs (8mks)
   c) Explain the following terms:
   Balance of trade (2mks)

Invisible trade (2mks)

d) Give ways in which Kenya is trying to enhance external trade. (4mks)

8. a) (i) Differentiate between land reclamation and land rehabilitation (2mks)

(ii) Give three methods used in reclaiming land in Kenya. (3mks)

b) (i) State three benefits of reclaiming Yala swamp (3mks)

(ii) State four physical conditions that the establishment of Perkerra irrigation scheme. (4mks)

c) Explain three problems faced by rice farmers in Mwea irrigation scheme. (6mks)

d) (i) What is a polder? (1mk)

(ii) Outline the stages involved in reclaiming land from the sea in Netherlands. (6mks)

9. a) Identify three minerals mined in Kenya (2mks)

b) Explain how the following influence mineral exploitation in Kenya

(i)Transport. (4mks)

(ii)Mode of occurrence. (4mks)

c) Explain four economic significance mining to a country. (8mks)

d)Form four students carried a field study at Lake Magadi

(i) State four ways in which they prepare for the field study. (3mks)

(ii)Identify three follow-up activities carried out after the field study. (4mks)

10. a) (i)Differentiate between domestic dairy farming and commercial dairy farming. (2mks)

(ii) Name two breeds of dairy cattle reared in Kenya. (2mks)

b) (i) Give four characteristics of dairy cattle breeds reared in Kenya (4mks)

(ii) State three physical factors favoring dairy farming reared in Kenya (3mks)

(iii) Name three countries where dairy farming is practiced in large scale in Kenya. (3mks)

c) Give reasons why Kenya's dairy sector fails to meet its domestic demand. (5mks)

d) Explain three differences between dairy farming in Kenya and Denmark. (6mks)

GOLDLITE ONLINE EDUCATIONAL SERVICES

Kenya Certificate of Secondary Education

SMARTFOCUS LATEST PREDICTION

TERM 3 2023

NAME …… **ADMISSION NUMBER** ……
CANDIDATE'S SIGNATURE……**DATE**……

PREDICTION 8

GEOGRAPHY PAPER 1

TIME: $2^{3}/_{4}$ HOURS

INSTRUCTIONS:

1) *This paper has **two** sections**: A** and **B***
2) *Answe**r all questions** in **section A***
3) ***In section B** answer **question 6** and **any other two questions***

FOR EXAMINER'S USE ONLY

QUESTION	SECTION A	6	7	8	9	10	TOTAL
MARKS							

SECTION A

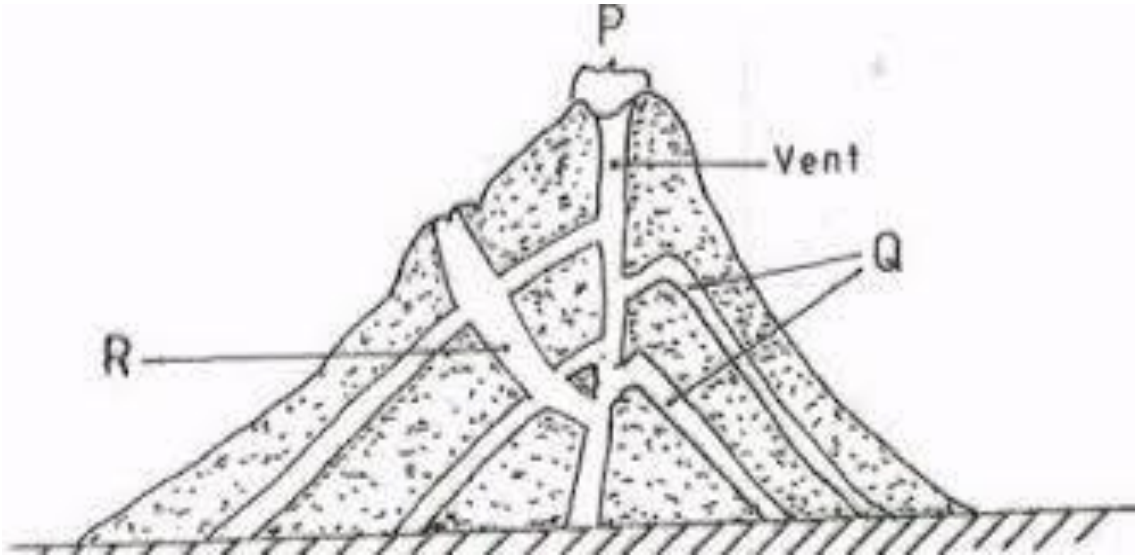
1a) Define the term rotation of the earth (2mks)

b) State **three** effects of revolution (3mks)

2a) Apart from simple symmetrical fold, Name **three** types of folds (3mks)

b) Name **two** fold mountains in Africa (2mks)

3a) Use the diagram below to answer the following question.



Identify and name the parts labelled **P, Q & R** (3mks)

b) List **two** intrusive features as a result of vulcanicity (2mks)

4a) Give the **three** main types of river erosion (3mks)

b) State **two** conditions for river capture to take place (2mks)

5a) Define the term Ice berg (2mks)

b) List **three** types of moraine (3mks)

SECTION B

6 Study the Map of Kisumu East 1: 50 000 (sheet 116/2) provided and answer the following questions

ai.Apart from Topographical maps name **two** other types of maps. (2m)

ii. What is the trigonometrical station at grid reference 081980 from the rock outcrop at grid reference **071992.** (2m)

iii. Measure the length of the all-weather road bound surface B from the grid reference **974911** to the edge of the map, grid reference **947967**.Give your answer in Kilometers. (2m)

bi. Describe the relief of the area covered by the map (5m)

c. Citing evidence from the map give **three** economic activities apart from crop growing carried out in the area covered by the map. (4m)

di Students from the school at Masogo (grid square **0681**) carried out a field study of the course of river Ombeyi

i. State **four** findings they are likely to come up with. (4m)

ii. Give **three** advantages of studying rivers through fieldwork. (3m)

iii. What problems were the students likely to face during their field study? (3m)

7 (a) (i) Describe the following characteristics of minerals:

- Texture (1mk)
- Tenacity (1mk)

(ii) Describe how mechanically formed sedimentary rocks are formed. (4mks)

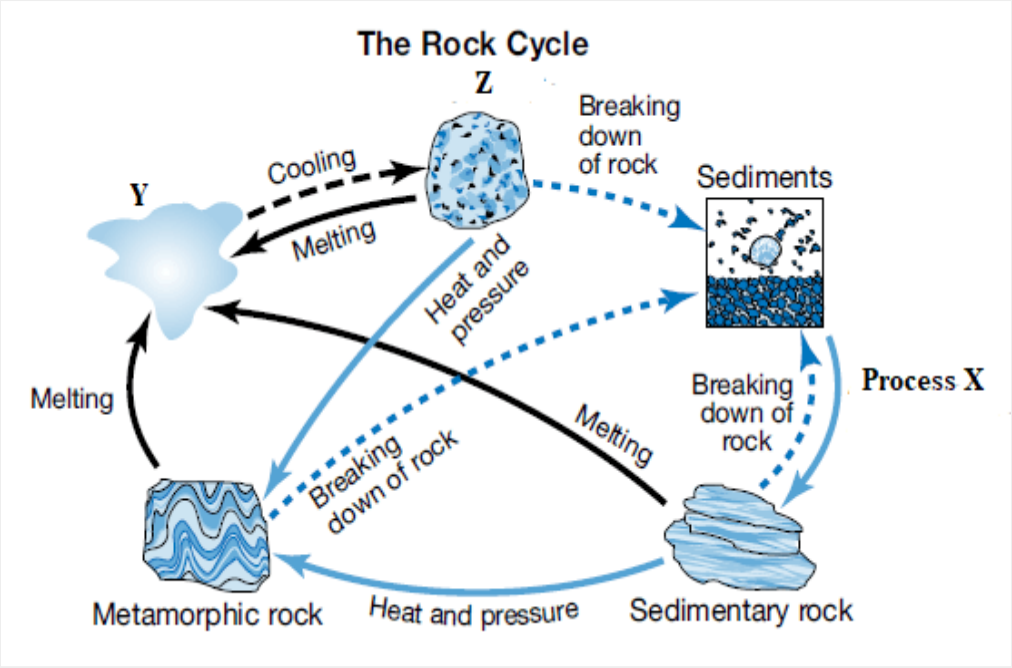
(b) For each of the following rocks, name the resultant rock that forms after metamorphism.

(i) Sandstone (1mk)

(ii) Limestone (1mk)

(iii) Granite (1mk)

c) The diagram shows the rock cycle. Study it and answer the questions that follow.



Idntify the following:

i) Process X (1mk)

ii) Material Y (1mk)

b) State **three** characteristics of rock Z (3mks)

(c) Explain the economic significance of rocks in Kenya under the following sub-headings.

i) Tourism (2mks)

ii) Agriculture (2mks)

iii) Industry (2mks)

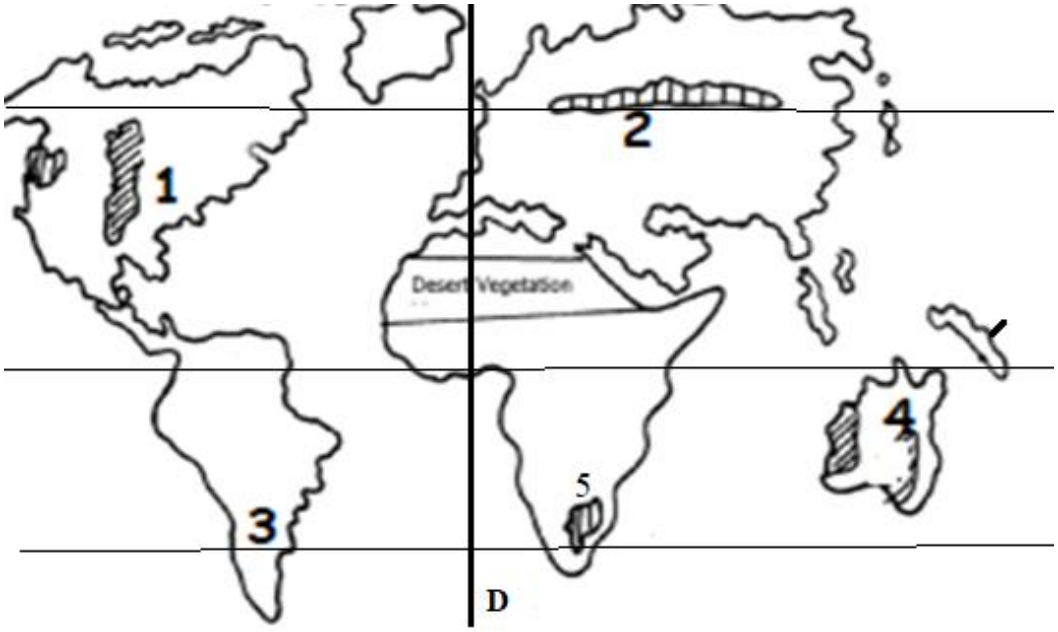
(d) Students carried out a field study on rocks around their school.
(i) State **two** importance of stating the objectives for their study. (2mks)
(ii) Give **three** reasons why they prepared a route map of the study area.(3mks)

8.ai. Define the term vegetation (2m)

ii. Draw a well labelled diagram showing the vegetation zones found on the mountain zone. (5m)

b. Describe four adaptations of succulent perennials of tropical desert vegetation. (4m)

c. The Map below shows the distribution of major grassland vegetation zones of the world. Study it and answer the questions that follow



i.Identify and name the grassland vegetation zone marked 1 to 5 (5m)

ii.Identify and name the line of longitude marked **D** (1m)

d. Form four students carried out a field study on a tropical rain forest in a certain area in Africa.

i. Name **three** hardwood tree species they are likely to observe. (3m)

ii. Formulate **one** hypothesis for their study. (2m)

iii. State **three** methods of recording data that the students used in their field study. (3m)

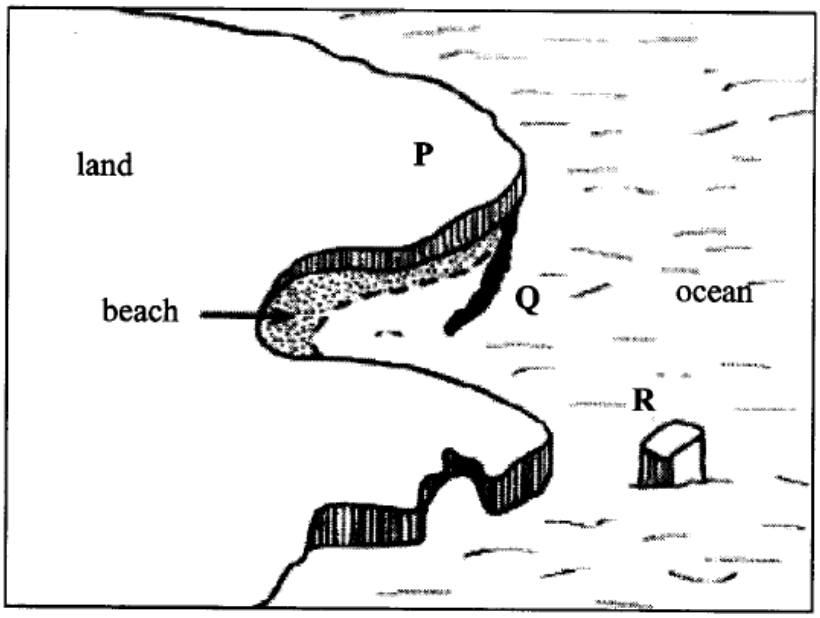
9. a) Define the term Oceans (2mks)

b) Apart from beach, name **four** features formed as a result of wave deposition (4mks)

c) State **three** differences between oceans and seas (3mks)

d) With aid of a well labeled diagram, describe the formation of a cave. (6mks)

e) Identify and name the features marked **P, Q, & R** (3mks)



f) Give **three** main types of submerged upland coasts (3mks)

g) Explain **two** negative significance of coasts and coastal features (4mks)

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

(ii) State **three** main components of soil (3mks)

(b) Explain how the following weathering processes contributes to the formation of soil

(i) Hydration (3mks)

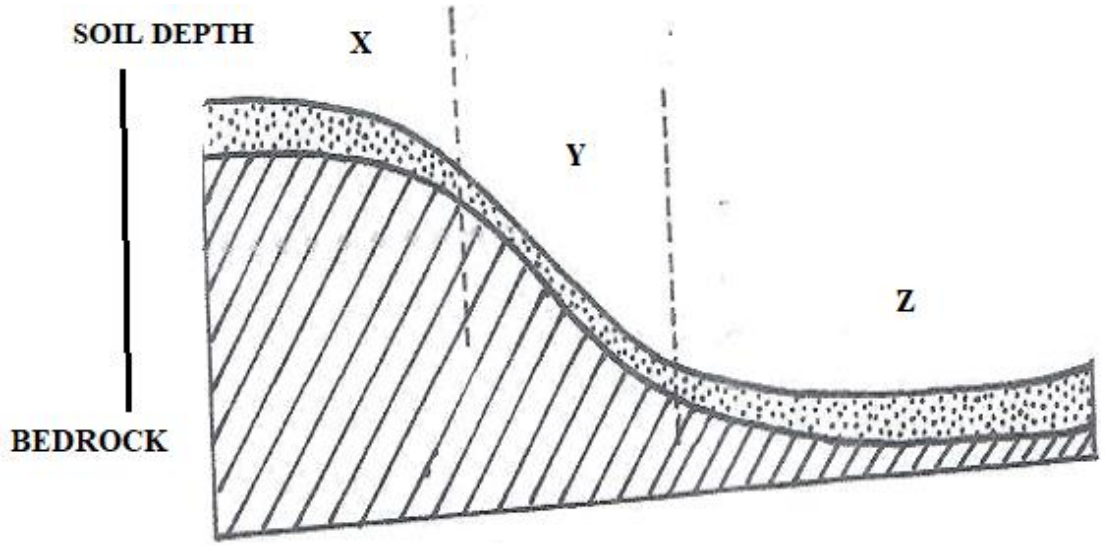
(ii) Oxidation (4mks)

(c) (i) Name the type of soil structures which fits the following descriptions

 Soil particles are arranged in thin sheets on top of each other. (2mk)

 Soil particles are arranged vertically in cylindrical manner (2mk)

(ii) The diagram below represents soil catena. Identify the nature of soils in the stages marked **X, Y** and **Z**. (3mks)



(d) Explain how the following factors cause soil degradation

(i) Leaching (2mks)

(ii) Mono cropping (2mks)

(iii) Burning of land (2mks)

GOLDLITE ONLINE EDUCATIONAL SERVICES

Kenya Certificate of Secondary Education

SMARTFOCUS LATEST PREDICTION

TERM 3 2023

NAME …… **ADMISSION NUMBER** ……

CANDIDATE'S SIGNATURE……**DATE**……

PREDICTION 8

Geography *(312/2)*

Paper Two

Time: 2 hours 45 minutes

INSTRUCTIONS TO CANDIDATES:

- This paper consists of two sections, **A and B.**
- **Answer all** the questions in **section A**.
- Answer **question 6 and** any other **two** questions from **section B**
- **All answers MUST be written on separate answer sheets provided.**
- ***This paper consist of 4 printed pages , students to confirm this and ensure all the questions printed as indicated***

FOR EXAMINER'S USE ONLY

SECTION A	1	2	3	4	5	

SECTION B	6	7	8	9	10	

TOTAL

SECTION A (25 marks) Answer All the Questions in this Section

1. a) Define the term mining. **(2 marks)**

2. b) State **three** forms in which minerals occur. **(3 marks)**

3. a) Distinguish between forest and forestry. **(2 marks)**

   b) Show **three** factors that influence the distribution of forests. **(3 marks)**

4. a) What is horticulture? **(2 marks**

   b) Give **three** economic factors that influence agricultural activities. **(3 marks)**

5. a) Name two places where limestone are found in Kenya. **(2 marks)**

   b) List **three** uses of soda ash. **(3 marks)**

6. a) What is a dead ground? **(2 marks)**

   b) Mention **three** uses of a photograph. **(3 marks)**

SECTION B (75 marks)

Answer question 6 and any other two questions

6. Study the photograph below and use it to answer question (a).



(a) (i) Identify the type of photograph shown above. **(1 mark)**

(ii) Describe the characteristics of the forest shown on the photograph. **(4 marks)**

(iii) Draw a rectangle measuring 15 cm by 10 cm. On it, sketch and label **five** main features shown on the photograph. **(5 marks)**

(b) (i) Name **two** indigenous softwood tree species in Kenya. **(2 marks)**

(ii) Explain **three** problems facing forestry in Kenya. **(6 marks)**

(iii) State **three** factors favoring the development of softwood forests in Canada. **(3 marks)**

(c) Give **four** differences between softwood forests in Kenya and Canada. **(4 marks)**

7. Study the table below and answer the questions that follow

Oil consumption in Kenya in the year 2010	
Economic sector	**Percentage of oil consumed**
Agriculture	4
Aviation	21
Commercial and Industry	22
Power	7
Rail	6
Road	30
Shipping	6
Others	4
Total	**100**

a) i) Draw a simple pie chart to represent the information above. **(6 marks)**

ii) What is the percentage of oil used in transport in the year 2010? **(2 marks)**

iii) Mention **two** demerits of using the method above to represent data. **(2 marks)**

b) i) List **three** countries where oil is produced in the Middle East. **(3 marks)**

ii) Explain **three** contributions of oil in the economy of the countries in the Middle East **(6 marks)**

c) Describe how petroleum oil is formed. **(6 marks)**

8 a) Name **two** wheat growing counties in Kenya **(2 marks)**

b) State **five** conditions favoring wheat farming in Kenya. **(5 marks)**

c) Describe wheat farming from planting to harvesting stage. **(8 marks)**

d) Give **two** selling points of wheat in Kenya. **(2 marks)**

e) Compare wheat farming in Kenya and Canada. **(8 marks)**

9. a) Discuss nomadic pastoralism in Kenya under the following sub-headings

i) The cattle breeds kept **(2 marks)**

ii) The pattern of movement **(2 marks)**

iii) Marketing of the animals **(3 marks)**

b) i) Give **three** reasons why nomadic pastoralists keep large heads of animals. **(3 marks)**

ii) Explain **four** measures taken by the government of Kenya to improve beef cattle farming. **(8 marks)**

c) Give **four** challenges facing nomadic pastoralism in Kenya **(4 marks)**

d) Name **three** indigenous breeds of dairy cattle reared in Kenya. **(3 marks)**

10.) a.) i.) Differentiate between land reclamation and land rehabilitation **(2 marks)**

ii) Identify three methods of land reclamation in Kenya **(3 marks)**

b) i.) State four physical factors that influenced the location of Mwea Tabere irrigation scheme **(4marks)**

ii.) Explain four problems facing Mwea Tabere irrigation scheme **(8 marks)**

c) i.) Outline the stages that were involved in the reclamation of land from the sea in Netherlands **(5marks)**

ii.) State three benefits of the of irrigation farming in Kenya **(3 marks)**

THIS IS THE LAST PRINTED PAGE.

GOLDLITE ONLINE EDUCATIONAL SERVICES

Kenya Certificate of Secondary Education

SMARTFOCUS LATEST PREDICTION

TERM 3 2023

NAME …… **ADMISSION NUMBER** ……

CANDIDATE'S SIGNATURE……**DATE**……

PREDICTION 9

312/1

GEOGRAPHY

PAPER 1

TIME 2 ¾ HOURS

INSTRUCTIONS TO CANDIDATES

1. Write your name, Admission Number and Class
2. The paper consists of two section A and B
3. Answer **all question** in section **A**
4. In section B answer question **SIX and any other TWO** questions
5. Candidates should check to ascertain that all pages are printed and that no question is missing
6. This exam contains 5 printed pages

FOR EXAMINERS USE ONLY.

	QUESTION	CANDINDATES SCORE
SECTION A	Q 1-5	
SECTION B	Q6	
	Q7	
	Q8	
	Q9	
	Q10	
TOTAL		

SECTION A: ANSWER ALL QUESTIONS. 25 MARKS

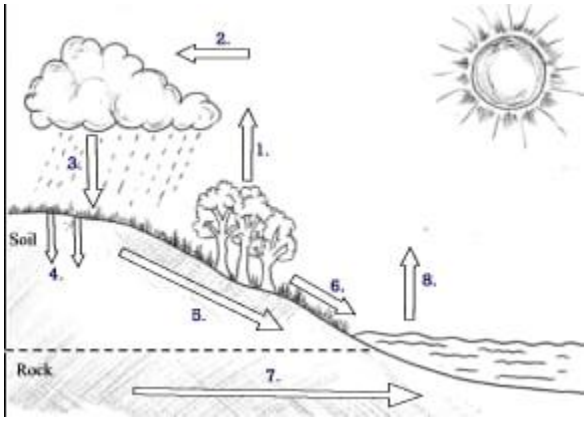
1a] Give **two** types of environments. **[2marks]**

b] State **three** major branches of practical geography**.** **[3marks]**

2. a] Differentiate between weather and climate. **[2marks]**

b] Give **three** benefits of humidity in the atmosphere. **[3marks]**

3. Study the diagram below and answer questions that follow.



I] Identify the process labeled 3 and 6. **[2marks]**

II] State the force that is responsible for process 5**.** **[1mark]**

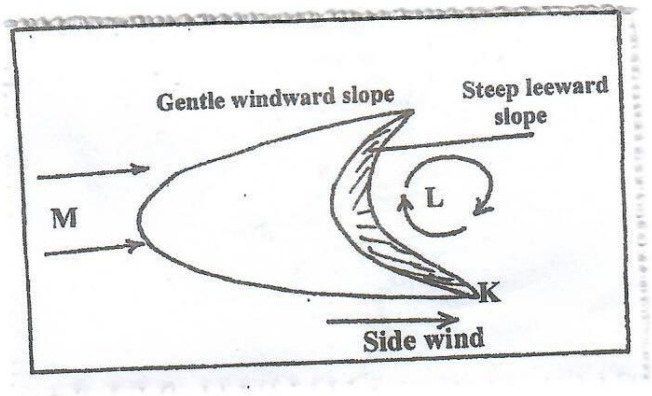
III] Highlight **two** factors that influence process 4**.** **[2marks]**

4. a] Give **two** causes of river rejuvenation**.** **[2marks]**

B] Identify **three** features that result from river rejuvenation**.** **[3marks]**

5. The diagram below shows some features of wind deposition. Study it to answer questions that follows

a] Identify part marked **K, L** and **M** **[3marks]**



B] State **two** factors that influence deposition of materials by wind in deserts. **[2marks]**

SECTION B

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

6. Study the map of KISUMU EAST 1: 50000 [SHEET 116/2] provided to answer the following questions.

[a] I] Apart from the type of map you are using state any other **two** types of maps**.** **[2marks]**

II] Identify **two** vegetation in the area covered by the map **[2marks)**

II] Name **two** methods used to represent relief in the area covered by the map**.** **[2marks]**

[B] I] In what hemisphere does Kisumu East lie? **[1mark]**

II] Measure the distance of the section of railway line west of Easting 00 to Kisumu station, give your answer in kilometers. **[2marks]**

III] Identify **two** forms of land transport in Kisumu east**.** **[2marks]**

[C] I] Describe **relief** of the area covered by the map**.** **[3marks]**

II] Describe the distribution of settlement in the area covered by the map **[4marks]**

D] Using a vertical scale of **1cm represent 20m** draw a cross section along northing **98 from Easting 96 to** Easting 02. **[4marks]**

On it mark and label the following. **[3marks]**

River Nyangori

Dry weather road

Steep slope.

7 a Define the karst scenery. [**2mark**]

I] Explain **three** factors that influence the formation of features in limestone area. [**6marks**]

II] Give **three** reasons why there are few settlements in the karst landscape**.** [**3marks**]

B] Describe how the following features are formed.

I] **Grikes and Clints.** **[4marks]**

II] **Swallow holes**. **[4marks]**

C] You are supposed to carry out a field study of an area eroded by underground water.

[I] Give **three** reasons why you would need a working schedule**.** **[3marks]**

[II] Name **two** erosional features you are likely to identify during the study. **[2marks]**

[II] State **three** recommendations that you could make from your study to assist the local community to rehabilitate the eroded area. **[3marks]**

8A I] Define the term earthquakes**.** **[1mark]**

II] State **three** types of earthquakes depending on the depth of focus**.** **[3marks]**

III] Differentiate between the **intensity** and **magnitude** of an earthquake. **[2marks]**

B] I] Highlight **three** causes of vulcanicity**.** **[3marks]**

II] State **two** types of magma. **[2marrks]**

III] State **three** factors that influence the shape and type of volcanic features formed. **[3marks]**

C] Describe how **hot springs** are formed. **[5marks]**

D] Explain **three** ways in which volcanic features positively influence human activities. **[6marks]**

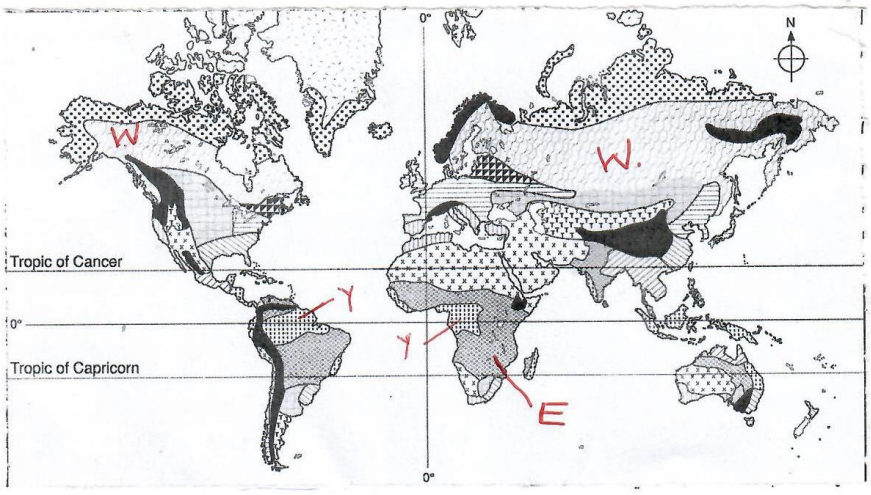
9. [A] Different between **derived** and **cultivated** vegetation**.** **[2marks]**

[b] Explain how the following factors influence vegetation distribution in Kenya.

[I] Living organism. **[2marks]**

[ii] **Precipitation.** **[2marks]**

C] The map below shows the globe distribution of vegetation. Study and use it to answer the questions that follow.



[I] Identify the vegetation labelled**, W and Y** **[2marks]**

[II] Describe the adaptive characteristics of the vegetation labelled E on the map. **[6marks]**

D] Your class is planning to undertake a field study on vegetation in Mt. Kenya Forest`,

[I] State **four** preparations you would carry out. [**4marks**]

[II] Give **three** sampling techniques you would use. **[3marks**]

[III] Identify **four** problems you are likely to encounter during the actual field study. **[4marks**]

10. A [I] what is continental shelf? **[2marks**]

[ii] State **two** characteristics of the continental shelf. [**2marks]**

B [I] state **two** types of islands**.** **[2marks]**

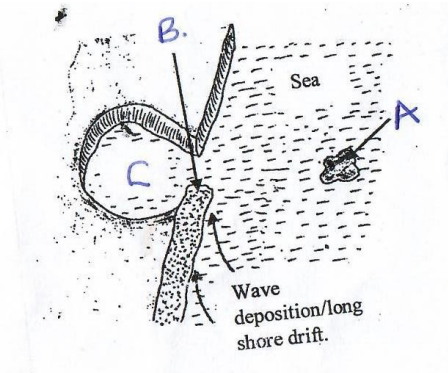
ii] Give **three** sources of ocean salts**.** **[3marks]**

iii] Give **two** reasons why water salinity is lower in areas around the equator seas than further away in the tropics. [**2marks]**

C i] Give **two** types of tides. **[2marks**]

ii] Using a well labelled diagram, describe how a wave break. **[4marks**]

D. Use the diagram below to answer questions that follow.



I] identify the parts labeled. **A, B and C.** **[3marks]**

E] Your class carried out a field study on the coastal landforms

I] State **two** features of lowland submerged coasts that you identified. **[2marks]**

III] Give **three** reasons why you needed a route map. [**3marks]**

GOLDLITE ONLINE EDUCATIONAL SERVICES

Kenya Certificate of Secondary Education

SMARTFOCUS LATEST PREDICTION

TERM 3 2023

NAME …… **ADMISSION NUMBER** ……
CANDIDATE'S SIGNATURE……**DATE**……

PREDICTION 9

312/2

GEOGRAPHY

PAPER 2

TIME 2 ¾ HOURS

INSTRUCTIONS TO CANDIDATES

1. *Write your name, Admission Number and Class*
2. *The paper consists of two section **A** and **B***
3. *Answer **all question** in section **A***
4. *In section **B** answer question **SIX and any other TWO** questions*
5. *Candidates should check to ascertain that all pages are printed and that no question is missing.*
6. *This exam contains **3** printed pages.*

FOR EXAMINERS USE ONLY.

	QUESTION	CANDINDATES SCORE
SECTION A	Q 1-5	
SECTION B	Q6	
	Q7	
	Q8	
	Q9	
	Q10	
TOTAL		

SECTION A: Answer all questions in this section.25MKS

1. (a) State **two** formations in which mineral ores occurs. (2mks)

b) Give **three** reasons why coal resource in the Mui basin Kitui County has not been commercially exploited. (3mks)

2. (a) What is mixed farming? (2mks)

b) Give **three** advantages of mixed farming. (3mks)

3. a) What is energy crisis. (2marks)

b) Identify **three** causes of energy crisis. (3marks)

4. (a) Name **two** forest reserves in Kenya. (2marks)

(b) State **three** characteristics of Equatorial rainforests. (3marks)

5. a) State **three** human factors favoring tourism in Switzerland. (3marks)

b) **Define** eco-tourism. (2marks)

SECTION B (75MARKS)

Answer question SIX and any other TWO questions

6. The table below shows the various modes of transport used by tourists visiting Kenya between

the years 2006 and 2009. Use it to answer the following questions.

Mode of transport	**No. of tourists.**			
Road	**2006**	**2007**	**2008**	**2009**
	100,000	50,000	150,000	200,000
Air	600,000	650,000	700,000	800,000
Water	200,000	150,000	100,000	50,000

a) i) state **two** reasons why tourists preferred air transport over the other modes of transport over the period. (2marks)

ii) Calculate the percentage increase in the number of tourists between the year 2008 and 2009. (3marks)

iii) Using a scale of **1cm to represent 100 000** tourists, draw a compound bar graph to represent the number of tourists who visited Kenya using the different mode of transport. (9marks)

b) i) Explain **three** roles played by transport in the economy of Kenya. (6marks)

ii) Name **one** high way created in Africa to ease transport across the continent. (1mark)

c) Form **four** students from Kibutha high school visited Kisumu airport for a field study.

i) Identify **two** methods they used to record their data. (2marks)

ii) Give **two follow up** activities they engaged in. (2marks)

7. a) i) What is land reclamation. (1mark)

ii) State **five** benefits which Kenya derives from irrigation farming? (5marks)

b) Explain three factors that led to the successful establishment of Perkerra irrigation scheme. (6marks)

c) Give **four** problems facing the perkerra irrigation scheme. (4marks)

d) Name **three** crops grown under irrigation in perkerra. (3marks)

e) Explain **three** reasons why horticulture is more developed in the Netherlands than Kenya. (6marks)

8. (a)i) What is industrialization? (2 marks)

ii) State **three** reasons why some industries consider regular supply of water as the main reason for their location. (3 marks)

(b) Outline **four** similarities between Jua Kali industry in Kenya and cottage industry in India. (4mks)

(c) Explain **three** factors that have influenced the location of iron and steel industry in the Ruhr region of Germany in the 19th century. (6 marks)

(d) You intend to carry out a field study of a heavy manufacturing industry;

i) State **three** effects of the industry on the environment you are likely to observe (3 marks)

ii) Design a working schedule you would use during the day of study (4 marks)

iii) State **three** reasons why it is important to prepare a working schedule for the study. (3 marks)

9. i) What is unfavorable balance of trade. (2marks)

ii) Outline **five** measures a country can adopt to reduce unfavorable balance of trade. (5marks)

b. Explain **five** benefits that Kenya derives from participating in international trade. (10marks)

c i) State **three** non-agricultural exports from Kenya. (3marks)

ii) State **five** problems facing developing countries in international trade. (5marks)

10. a) i) What is an environmental hazard? (1mark)

ii) Apart from floods list **three** other environmental hazard. (3marks)

b) Explain four ways in which air pollution affects the environment. (8marks)

c) Explain **four** incidents that may lead to noise pollution in urban areas. (8marks)

d) Students from Kangema carried out a field study on floods at Kano plains.

i) State **two** objectives for their study. (2marks)

ii) State **three** ways in which residents of Kano plains are affected by floods that students observed. (3marks)

GOLDLITE ONLINE EDUCATIONAL SERVICES

Kenya Certificate of Secondary Education

SMARTFOCUS LATEST PREDICTION

TERM 3 2023

NAME …… **ADMISSION NUMBER** ……
CANDIDATE'S SIGNATURE……**DATE**……

PREDICTION 10

GEOGRAPHY

312/1 PAPER ONE

TIME 2HRS 45 MIN.

INSTRUCTION TO CANDIDATE.

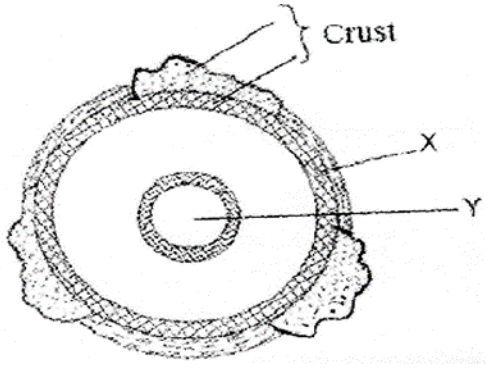
- This paper has two sections **A** and **B**.
- Answer **All** questions in section A.
- In section **B**, Answer question **six** and any other **two** questions.

For examiners use only

SECTION	QUESTION	MAXIMUM SCORE	CADINDATE SCORE
A	1-5	25	
B	6	25	
		25	
		25	
	TOTAL SCORE		

SECTION A: 25 MARKS

1. The diagram below shows the internal structure of the earth.



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

(b) Give **three** characteristics of the part marked **Y** (3marks)

2. (a) State **three** conditions necessary for siting a weather station. (3 marks)

(b) Name **three** instruments that are placed inside the Stevenson's Screen. (3 marks)

3. State **five** characteristics of Mediterranean vegetation. (5 marks)

4. (a) **Differentiate** between a river divide and a river catchment (2marks)

b) Name three ways through which a river transport its load (3marks)

5. Give **four** sources of underground water (4marks)

SECTION B: 75 MARKS

Answer question 6 and any other two questions in this section

6. You are provided with a map of **KISUMU EAST, EAST AFRICA 1:50,000 (KENYA)** sheet 116/2. Use it to answer the following questions.

a (i) convert the scale of this map into a statement scale (2 marks)

(ii) Identify **three** physical features found at grid square **9995** in the area covered by the Map. (2marks)

(iii) Give the bearing of the **air photo principal point** at grid square 9584 from the south western corner of the area covered by the map. (2marks)

(iv) Give the magnetic variation of the area covered by the map (2 marks)

(b) **Citing evidence** from the map, give **five** social services offered in Kisumu town (5 marks)

(c) Describe the **relief** of the area covered by the map (5marks)

d (i) On the graph paper provided,

use a vertical scale of **1cm represent 50 metres** to draw a cross section from point **950950** to point **020950** in the area covered by the map (4marks)

(ii) On it mark and label

-Dry weather road (1mark)

-Power transmission line (1mark)

-Motorable track (1mark)

7. (a) (i) Apart from metamorphic rocks, name **two** other categories of rocks. (2 marks)

(ii) Describe the following processes of formation of metamorphic rocks.

• Dynamic metamorphism (4 marks)

•Thermal metamorphism (4 marks)

(b) Explain **three** ways in which rocks are significant to human activities in Kenya. (6 marks)

(c) You intend to carry out a field study on the types of rocks within the school locality.

(i) Identify **three** items that you will carry during the study. (3 marks)

(ii) State **three** activities that you will be involved in during the study (3marks)

(iii) List **three** types of metamorphic rocks that you are likely to identify (3marks)

8. a) i) **What is** folding? (2marks)

ii) Name **four** features formed as a result of folding (4marks)

iii) Explain how Fold Mountains are formed according to convectional current theory (3marks)

b) i) **Differentiate** between orogeny and orogenesis (2marks)

ii) State **three** factors influencing folding of sedimentary rocks. (3marks)

(c) Name the continent in which each of the following fold mountains is found

- **Alps** (1mark)
- **Himalayas** (1mark)
- **Andes** (1mark)
- **Rockies** (1mark)
- **Atlas** (1mark)

(d) Explain **three** negative effects of fold mountains to human activities (6marks)

9. (a) (i) Name **two** types of submerged highland coasts (2 marks)

(ii) Identify **two** resultant features of the emerged highland coasts. (2 marks)

(b) State **three** factors influencing deposition by ocean waves. (3 marks)

(c) Describe the formation of the following coastal features:

(i) **Fringing reef** (5 marks)

(ii) **Spit** (5 marks)

(d) **Explain** the significance of oceans to human activities. (8 marks)

10. (a) List **three** components of soil. (3 marks)

(b) **Explain** each of the following in relation to the classification of soil:

(i) Zonal (2 marks)

(ii) Intrazonal (2 marks)

(iii) Azonal (2 marks)

(c) Explain **three** causes of soil degeneration. (6 marks)

(d) Students from Mathioya School visited a nearby ranch to study types of soil.

Explain why they carried the following tools: (2 marks)

i. **Hoes** -

ii **Polythene bags** -

(ii) Give **three** reasons why they would need to seek permission from relevant authorities (3marks)

(iii) List **three** types of soil erosion they are likely to observe. (3 marks)

GOLDLITE ONLINE EDUCATIONAL SERVICES

Kenya Certificate of Secondary Education

SMARTFOCUS LATEST PREDICTION

TERM 3 2023

NAME …… **ADMISSION NUMBER** ……
CANDIDATE'S SIGNATURE……**DATE**……

PREDICTION 10

GEOGRAPHY

312/2 PAPER TWO

TIME 2HRS 45 MIN.

INSTRUCTION TO CANDIDATE.

1) *This paper has two sections **A** and **B**.*
2) *Answer **All** questions in section A.*
3) *In section **B**, Answer question **six** and any other **two** questions.*

FOR EXAMINERS USE ONLY

SECTION	QUESTION	MAXIMUM SCORE	CADINDATE SCORE
A	1-5	25	
B	6	25	
		25	
		25	
	TOTAL SCORE		

SECTION A: 25 MARKS

1) A) Apart from oil, name two other non- renewable sources of energy. (2 mks)
   b) State three ways in which Kenya can reduce the use of petroleum as source of energy. (3mks)
2) A) Give two similarities in function between Nairobi and New-york city. (2mks)
   b) Identify three function zones of an ideal urban center. (3 mks)
3) A) Name three types of fish. (3 mks)
   b) State two problems facing fishing in Japan. (2 mks)
4) A) Give two minerals that occur in form of alluvial deposits. (2mks)
   b) State three ways in which soda ash contributes to the economy of Kenya. (3 mks)
5) A) Name two types of environment. (2 mks)
   b) Identify three sub-branches of Geography in human and economic geography. (3 mks)

SECTION B: 75MARKS

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

6) The table below shows total number of livestock in Kenya in 1986 and 1996.

TYPE OF LIVESTOCK	NUMBER IN MILLIONS	
	1986	**1996**
CATTLE	19.0	20.7
SHEEP	17.0	26.7
GOATS	18.5	27.3
CHICKEN	20.0	40.0

   a) I) Using a scale of 1cm represents 5 million livestock, draw a comparative bar graph to represent the above given data. (8 mks)
      ii) State three advantages of comparative bar graphs. (3 mks)
   b) I) Discuss nomadic pastrolism under the following subheadings.
      - Types of cattle breed kept. (2mks)
      - The pattern of movement. (2mks)
      - The marketing of animals. (2mks)

      ii) Give two reasons why nomadic pastrolists keep large heads of animals. (2 mks)
   c) Explain three ways in which the government of Kenya assist nomadic pastoralists improve quality of their livestock. (6 mks)
7) a) i) Define the term wildlife. (2 mks)
      ii) Name two characteristics of National parks. (2 mks)
   b) State four physical factors that would discourage setting up a game park within the slopes of Mt. Kenya. (4 mks)
   c) I) Name three main inland attraction sites in Kenya. (3mks)
      ii) Compare tourism in Kenya and Switzerland under the following sub heading.
      - Climate. (2 mks)
      - Scenery. (2 mks)
      - Culture. (2 mks)
   d) Explain four ways in which Kenya is planning to expand her tourism. (8 mks)

8) A) i)Apart from floods,

9) name two other environmental hazard associated with climatic conditions. (2 mks)

ii) Name two ways that have been used to reclaim land from swamps. (2 mks)

iii) State three factors which have led to frequent flooding in L.Victoria region. (3 mks)

b) Explain four ways in which land is being rehabilitated in Kenya. (8 mks)

c) i) state four benefits of land reclamation in Netherlands. (4 mks)

ii) Give three differences of land reclamation in Kenya and Netherlands. (6 mks)

10) A) i) Give two types of international trade. (2 mk)

ii) Differentiate between visible and invisible exports. (2 mks)

b) i) Name three member countries of COMESA. (3 mks)

ii) State four problems facing COMESA. (4 MKS)

c) Explain four reasons why Kenya earns little foreign exchange from agriculture. (8 mks)

d) Explain three ways though which the government can improve future trade. (6 mks)

11) a) i) Differentiate between indigenous and exotic forests. (2 mks)

ii) Give three examples of softwood trees in Kenya. (3 mks)

b) i) State four characteristics of natural forests in Kenya. (4 mks)

ii) Explain three physical factors that favour growth of natural forests in Kenya. (6 mks)

c) State four measures which have been taken to manage forests in Kenya. (4 mks)

d) Give the difference between forestry in Canada and Kenya under the following subheadings.

i) Distribution. (2 mks)

ii) Problems. (2 mks)

iii) Marketing. (2 mks)

GOLDLITE ONLINE EDUCATIONAL SERVICES

Kenya Certificate of Secondary Education

SMARTFOCUS LATEST PREDICTION

TERM 3 2023

NAME …… **ADMISSION NUMBER** ……
CANDIDATE'S SIGNATURE……**DATE**……

PREDICTION 11

GEOGRAPHY
PAPER 1
312/1
TIME: 2 ¾ HOURS

Instructions to candidates

(a) Write your name, admission number and class in the spaces provided above.

*(b) This paper has **two** sections: **A** and **B***

*(c) Answer **all** the questions in section **A***

*(d) Answer **question 6** and any other **two** questions from section **B***

(e) All answers must be written in the spaces provided after Question 10.

(f) This paper consists of 14 printed pages.

(g) Candidates should check the question paper to ascertain that all the pages are printed as indicated and that no questions are missing.

For Examiner's Use Only

Section	Questions	Candidate's Score	Maximum Score
A	1 – 5		25
B	6		25
			25
			25
	Total Score		100

SECTION A

*Answer **all** the questions in this section.*

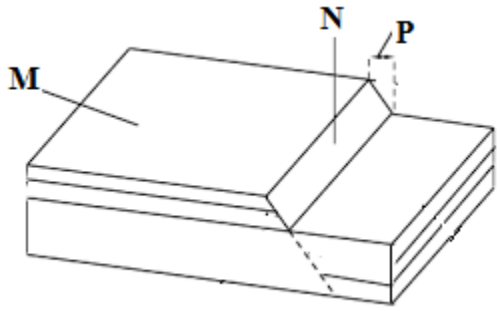
1. (a) What is an eclipse? (2 marks)

   (b) State **three** characteristics of comets. (3 marks)

2. (a) Name **two** examples of prevailing winds found in the northern hemisphere. (2 marks)

   (b) Give **three** ways in which sea breezes influence the adjacent land. (3 marks)

3. The diagram below shows some features that result from faulting. Use it to answer questions (a) and (b).



   (a) Identify the parts marked **M** and **P**. (2 marks)

   (b) Name **three** examples of the feature marked **N** in Kenya. (3 marks)

4. (a) Give **two** ways in which wind transports its load in arid areas. (2 marks)

   (b) State **three** factors that encourage wind erosion in desert areas. (3 marks)

5. (a) Identify **two** types of glaciers. (2 marks)

   (b) Describe how glacial erosion occurs through plucking process. (3 marks)

SECTION B

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

6. Study the map of Kisumu East 1:50,000 (sheet 116/2) provided and answer the following questions.

   (a) (i) What is the four figure grid reference of Bonjoge school? (2 marks)

(ii) Measure the length of the road B 25/3 from trigonometrical station SKP 21 eastwards. Give your answer in kilometres. (2 marks)

(iii) Give **three** types of natural vegetation found in the area covered by the map. (3 marks)

(b) (i) Give the altitude of the highest point within Nyando escarpment. (1 mark)

(ii) Identify **two** human-made features in grid square 0194. (2 marks)

(c) Using a vertical scale of 1cm to represent 100 metres;

(i) Draw a cross section from grid reference 010950 to 050990. (4 marks)

(ii) On the cross section, mark and name the following;

- River Kibos (1 mark)
- Sugar cane plantation (1 mark)
- Steep slope (1 mark)

(iii) Calculate the vertical exaggeration of the cross-section. (2 marks)

(d) Citing evidence from the map, explain **three** factors that favour trade in area covered by the map. (6 marks)

7. (a) (i) What is a rock? (2 marks)

(ii) Give **three** characteristics of igneous rocks. (3 marks)

(b) (i) Identify **two** categories of mechanically formed sedimentary rocks. (2 marks)

(ii) Name **two** major areas covered by metamorphic rocks in Kenya. (2 marks)

(c) Describe the formation of rocks through the following processes;

(i) Desiccation (4 marks)

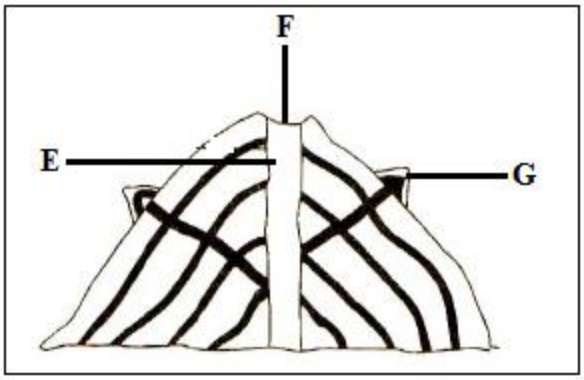
(ii) Dynamic metamorphism (4 marks)

(d) Explain **four** significance of rocks to the economy of Kenya. (8 marks)

8. (a) (i) Define earth movements. (2 marks)

(ii) Give **two** causes of horizontal earth movements. (2 marks)

(b) The diagram below shows a composite cone. Use it to answer the questions that follow.



(i) Identify the parts labeled **E**, **F** and **G**. (3 marks)

(ii) Describe how a composite cone is formed. (8 marks)

(c) Members of your class are planning to carry out a field study on vulcinicity within the floor of the Kenyan rift valley.

(i) Name **three** places your likely to visit. (3 marks)

(ii) State **four** reasons why it is necessary to conduct a pre-visit to the area of study. (4 marks)

(iii) Give **three** problems your likely to experience during the study. (3 marks)

9. (a) (i) Name **three** major oceans on the earth's surface. (3 marks)

(ii) State **three** characteristics of ocean currents. (3 marks)

(b) Describe the following processes of wave erosion.

(i) Hydraulic action. (6 marks)

(ii) Solution (2 marks)

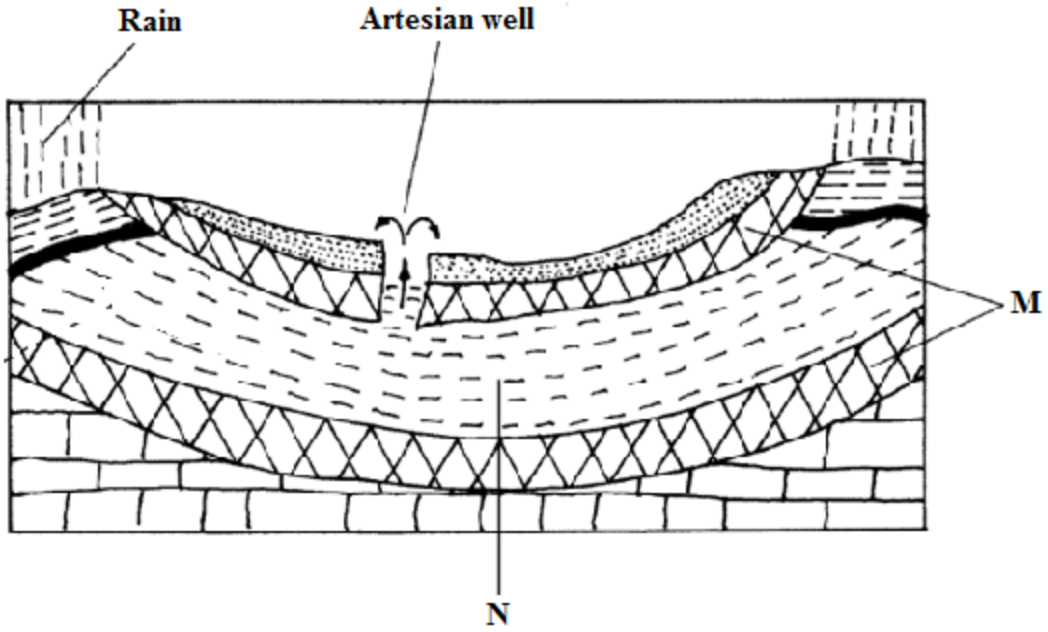
(c) Describe how a blowhole is formed. (5 marks)

(d) Explain **three** significance of oceans to human activities. (6 marks)

10. (a) (i) What is underground water? (2 marks)

(ii) Give **three** ways in which springs form. (3 marks)

(b) The diagram below shows artesian basin and related features. Use it to answer the questions that follow.



(i) Identify the parts labeled **M** and **N**. (2 marks)

(ii) State **two** problems associated with artesian wells. (2 marks)

(c) Describe how the following features are formed.

(i) Stalactites (5 marks)

(ii) Dolines (5 marks)

(d) You carried out a field study on a karst landscape.

(i) Give **three** reasons why there were few respondents in the area of study. (3 marks)

(ii) State **three** follow up activities you had after the field study. (3 marks)

GOLDLITE ONLINE EDUCATIONAL SERVICES

Kenya Certificate of Secondary Education

SMARTFOCUS LATEST PREDICTION

TERM 3 2023

NAME …… **ADMISSION NUMBER** ……

CANDIDATE'S SIGNATURE……**DATE**……

PREDICTION 11

GEOGRAPHY

PAPER 2

312/2

TIME: 2 ¾ HOURS

INSTRUCTIONS TO CANDIDATES

1) *This paper contains two sections; A and B.*
2) *Answer all questions in section A.*
3) *Answer question 6 and any other two questions from section B.*
4) *All answers must be written in English.*

.

For Examiner's use only

Section	Question	Maximum Score	Candidate's Score
A	**1 - 5**	**25**	
B	**6**	**25**	
		25	
		25	
	Total	**100**	

Section A.

(Answer all questions in this section).

1. a) What is nomadic pastoralism? (2marks)
   (b) Name three nomadic communities in Africa. (3marks)
2. a) Distinguish between Land reclamation and Land rehabilitation. (2 marks)
   b) State three methods used in reclaiming land in Kenya. (3 marks)
3. a) Define the term Eco-tourism. (2 marks)
   b) List three benefits that Kenya derives from Domestic tourism (3 marks)
4. a) Define the international Trade. (2 marks)
   b) State how international trade in Kenya can be improved (3 marks)
5. a) Apart from road transport, give two other forms of Land transport. (2 marks)
   b) State three advantages of road transport over road transport (3 marks)

SECTION B

6. (a) The photograph below shows some mining activities. Study and use it to answer The questions that follow.



(i) Identify the type of photograph. (1 mark)

(ii) Give reasons for your answer in (i) above. (3 marks)

(iii) Draw a rectangle measuring 8cm by 10cm to represent the photograph.

(1 marks)

(iv) On it, mark and label four main features. (4 marks)

(v) State three negative effects of the mining method shown in the photograph to the

physical environment. (3 marks)

(b) (i) Name two gold mining areas in South Africa. (2 marks)

(i) Describe the process of gold processing. (6 marks)

(ii) Explain three economic benefits of petroleum to the oil producing countries in the Middle East region. (6 marks)

7. (a) (i) Define pastoral farming (2 marks)

(ii) List three counties with pastoral communities in Kenya (3 marks)

(b) (i) Identify two exotic beef cattle breeds kept in Kenya (2 marks)

(ii) **state** three characteristics of nomadic pastoralism (3 marks)

(c) (i) Explain three factors favoring beef farming in Kenya. (6 marks)

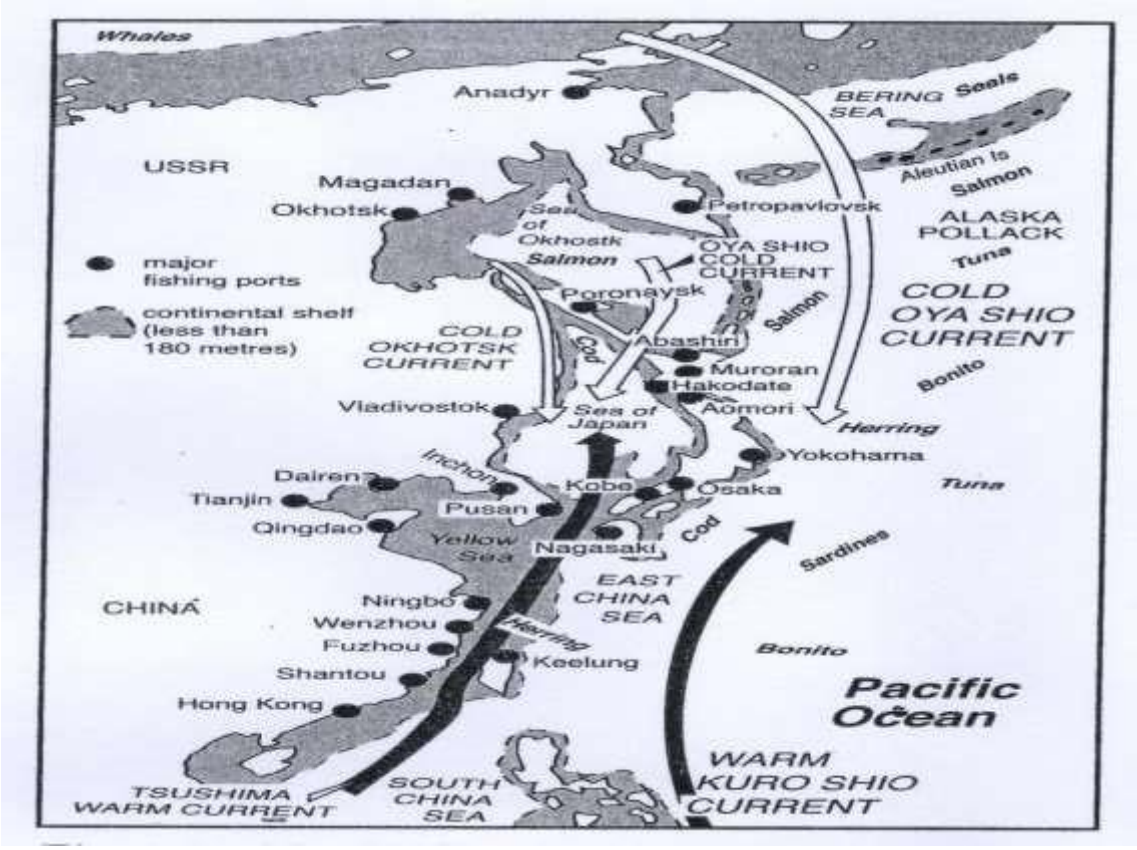
(ii) State four similarities between beef farming in Kenya and Argentina (6 marks)

(d) Your class carried a field study on tea processing.

(i) Outline any three stages of tea processing that the class may have observed. (3 marks)

(ii) State two methods that the class may have used to present data. (6 marks)

8. (a) The diagram below shows a fishing ground in the pacific ocean



(i) Identify the fishing ground shown above

(ii) Name two types of fish species found in the fishing ground above (2mks)

(b) (i) Apart from fishing , name two other economic activitiesthat arepracticed along the East African Coastal waters (2mks)

(iii) Name two inland types of fisheries in Kenya (2mks)

(c) (i)Describe the long lining fishing method (4mks)

(iii)Explain three physical factors that have influenced the development of fishing in Japan (6mks)

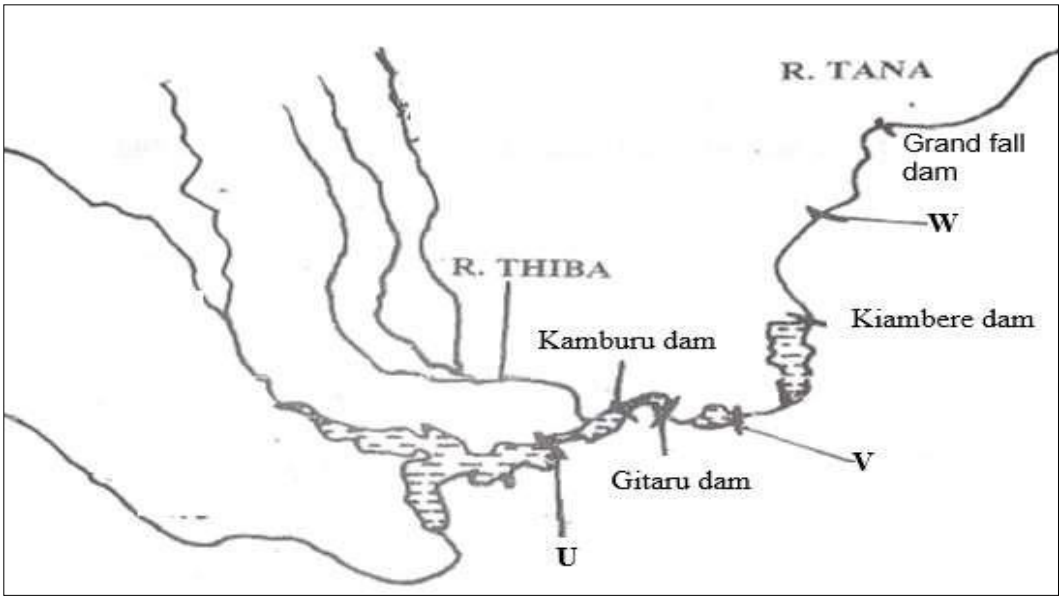
(d) (i) State four problems that face Marine fishing in Kenya (4mks)

(ii) Give three ways of conserving fresh water fisheries in Kenya (3mks)

9. (a)(i) Apart from sun, name three other sources of electricity (2 marks)

(ii) Name two types of renewable energy. (2 marks)

(b) Study the diagram of the seven forks dam power project provided below and use it to answer the questions that follow.



(i) Identify the dams labelled U and V. (2 marks)

(ii) Explain three physical factors that favored the establishment of the seven forks power project. (6 marks

(iii) State three benefits of the seven forks power scheme. (3 marks)

(c) (i) What is energy crisis? (2 marks)

(ii) Explain four effects of the energy crisis to the economies. (8 marks)

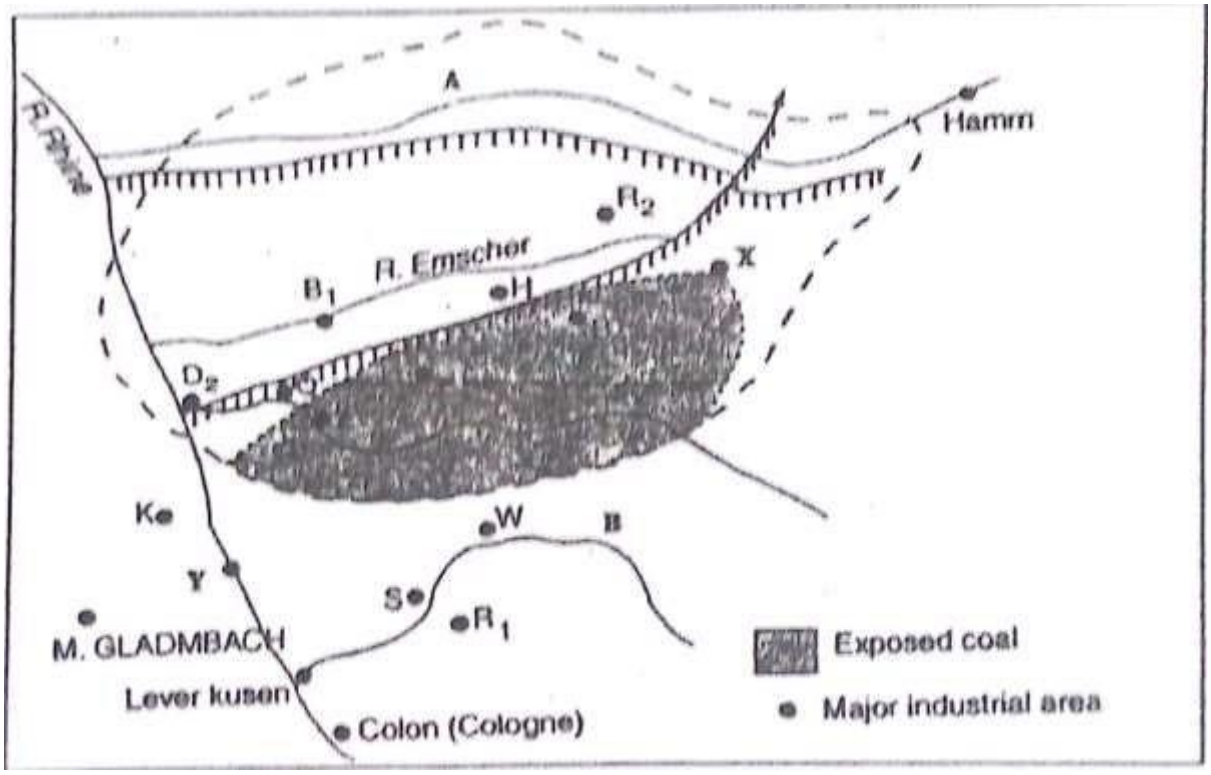
10. (a) (i) Name two agricultural nonfood manufacturing industries in Kenya (2 marks)

(ii) State three causes of industrial inertia. (3 marks)

(b) Name three problems facing the Jua Kali industries in Kenya. (2 marks)

(c) Explain four measures the government of Kenya is undertaking to promote Jua kali industry in Kenya. (8 marks)

(d). Study the map of Ruhr region below and use it to answer question



d. (i) Identify

the river marked A. (1 mark)

the canal marked H. - (1 mark)

the town marked Y. - (1 mark)

(ii) Explain three human factors that led to the growth of Ruhr industrial Region. (6 marks)