

**GOLDLITE ONLINE EDUCATIONAL SERVICES**  
**Kenya Certificate of Secondary Education**  
**KCSE REPLICA SERIES EXAMS**

Name ..... Admission number .....

Candidate's Signature.....Date.....

**REPLICA 1**

**312/1**

**GEOGRAPHY**

**PAPER 1**

**TIME: 2½ hours**

**Instructions to Candidates**

- a) Answer all questions in section A.*
- b) In section B, Answer question 6 and any other **two** questions from the remaining questions.*
- c) Answer all questions using the answer booklet provided.*
- d) Candidate should check that all pages are printed and no questions are missing.*

**For Examination use only.**

	Maximum Score	Candidate Score
Section A.	25	
Question 6	25	
Question 7	25	
Question 8	25	
Question 9	25	
Question 10	25	
<b>TOTAL</b>	<b>100%</b>	

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**FOR MORE PAPERS FOR ALL SUBJECTS AND MARKING SCHEMES**

## SECTION A

*Answer all the questions in this section*

- 1 a) Give the forces which have contributed to the geoid shape of the Earth (3 marks)
- b) Name the minerals that make up the core of the Earth (2 marks)
- 2 a) Give **three** causes of earthquakes (3 marks)
- b) Name **two** major earthquakes zones of the world (2 marks)
- 3a) Apart from aspect, list **three** other factors that influence the distribution of natural vegetation (3 marks)
- b) State **two** ways through which aspect influences the distribution of natural vegetation (2 marks)
- 4a) State **three** conditions necessary for the development of Karst scenery (3 marks)
- b) Give **two** reasons why there are few settlements in Karst landscapes (2 marks)
- 5 a) Give **two** causes of river rejuvenation (2 marks)
- b) Identify **three** features that result from river rejuvenation (3 marks)

## SECTION B

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

6 Study the map of Kisumu East (1:50000) provided and answer the following questions.

- (a) i) What is the bearing of the trigonometrical station at Grid reference 081980 from the rock out crop at grid reference 071992. (2 marks)
- ii) Measure the length of the all – weather road (bound surface) B2 /1 from the junction at grid reference 947911 to the edge of the Map, grid reference 947967.(Give your answer in kilometers) (2 marks)
- iii) Draw a rectangle 10cm by 15cm to represent the area covered by the map. On a rectangle, mark and name: (1 mark)
- A lake (1 mark)
  - A plantation (1 mark)
  - River Luando (1 mark)
- b) i) Describe the relief of the area covered by the map. (4 marks)
- c) ii) Explain how relief has experienced settlement in the area covered by the map. (4 marks)
- d) Citing evidence from the map, give **three** economic activities carried out in the area covered by the map other than crop growing. (3 marks)
- e) Students from the school at Masogo(grid square 0681) carried out a field study of the course of River Ombeyi.
- i) State **three** findings they are likely to have come up with (3 marks)
- ii) Give **three** advantages of studying rivers through field work (3 marks)
- .

- 7 a) i) What is a rock (2 marks)
- ii) Give **two** examples of plutonic igneous rocks (2 marks)
- b) Describe the processes of formation of each of the following types of sedimentary rocks:
- i) Mechanically formed (4 marks)
- ii) Organically formed (4 marks)
- c) State the characteristics of rocks (5 marks)
- d) You are planning to carry out a field study on rocks within the local environment.
- i) List **three** methods you would use to record data (3 marks)
- ii) State **three** problems you are likely to encounter (3 marks)
- iii) Give **two** economic uses of rocks you are likely to identify (2 marks)
8. a) i) Apart from an over thrust fold, name **three** other types of folds (3 marks)
- ii) With an aid of a well labelled diagram, describe the formation of an over thrust fold (6 marks)
- b) i) Name the young fold mountains found in the following continents
- Africa (1 mark)
  - Europe (1 mark)
  - Asia (1 mark)
  - North America (1 mark)
- ii) Describe the formation of fold mountains according to the convectional current theory (4 marks)
- c) Explain **four** effects of folding on physical environment (8 marks)
- 9 a) i) Define an ocean (2 marks)
- ii) Explain the **three** causes of variation in the amount of salt in ocean water (6 marks)
- b) i) Identify **three** processes involved with wave erosion (3 marks)
- ii) With the aid of well labelled diagrams, describe the process through which a wave cut platform is formed (8 marks)
- c) You intend to carry out a field study on types of features resulting from wave deposition along the coast
- i) Identify **three** methods you would use to record data (3 marks)
- ii) Give **three** depositional features you are likely to observe during field study (3 marks)
- 10 a) i) What is soil structure (2 marks)
- ii) Explain how the following factors influence soil formation
- Time (2 marks)
  - Parent rock (2 marks)
- b) Describe the following properties of soil
- Soil texture (2 marks)

• Soil porosity (2 marks)

• Soil colour (2 marks)

c) State **four** negative effects of soil erosion (4 marks)

d) You are planning to carry out field study on soil around your school

i) State **four** preparations that you will make for the study (4 marks)

ii) Give **three** reasons why it is important to study soils through the field study (3 marks)

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**REPLICA 2**

**312/1**

**GEOGRAPHY**

**PAPER 1**

**TIME: 2½ hours**

**Instructions to Candidates**

- a) Answer all questions in section A.*
- b) In section B, Answer question 6 and any other **two** questions from the remaining questions.*
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Question 8	25	
Question 9	25	
Question 10	25	
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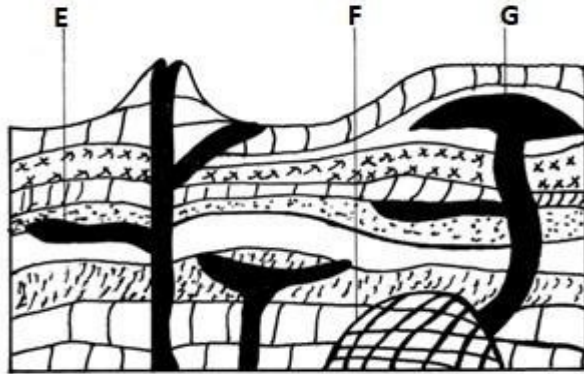
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**FOR MORE PAPERS FOR ALL SUBJECTS AND MARKING SCHEMES**

## SECTION A (25MKS)

Answer all the questions in this section

1. (a) Name two main branches of geography. (2mks)  
(b) What is environment? (2mks)
2. (a) Name three forms of precipitation common in Kenya. (3mks)  
(b) Give two reasons why the recording of data at school weather station may be inaccurate. (2mks)
3. (a) The diagram below shows intrusive volcanic features.



- Name the features marked E, F and G. (3mks)
- (b) State three effects of vulcanicity on agriculture. (3mks)
4. (a) List three types of glaciers. (3mks)  
(b) Identify the two main glacier erosion processes. (2mks)
  5. (a) Define River rejuvenation. (2mks)  
(b) State three factors influencing the rate of river erosion. (3mks)

## SECTION B (75MKS)

Answer question 6 (compulsory) and any other two question 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 information obtained from the title of the map (2mks)  
(ii) Give the magnetic variation of the map extract as at January 1970. (2mks)
  - (b)(i) Convert the ratio scale of the map to linear scale. (2mks)  
(ii) Citing evidence from the map, give four social functions of Kisumu Municipality. (4mks)
  - (c)(i) Using a vertical scale of 1cm represents 50 metres, draw a cross section from grid square **9596** to grid square **0194**. On it mark and name: (7mks)
    - All weather Road
    - Dry weather road
    - Main track  
(ii) Calculate the vertical exaggeration (2mks)
  - (d) Explain three factors that led to the establishment of the plantation farm around Miwani. (6mks)
7. (a) Identify three characteristics of minerals (3mks)
  - (b)(i) What is rock metamorphism? (2mks)  
(ii) Give three effects of heat on sedimentary rocks. (3mks)
  - (c) Describe the following types of rock metamorphism.
    - (i) Thermal metamorphism. (3mks)
    - (ii) Hydrothermal metamorphism. (3mks)
  - (iii) (d) Explain three ways in which rocks are significant to human activities in Kenya. (6mks)
  - (iv) (e) Supposing you were to carry out a field study on rocks at the Kenya coast.
    - (i) Name three equipment you will be required to carry for the study. (3mks)

- (ii) (ii) Why would sampling part of the area be necessary as you conduct the field study. (2mks)
- 8.(a) (i) Define the term folding. (2mks)
- (ii) State two factors influencing the extent to which sedimentary rocks can be folded. (2mks)
- (b) Name the fold mountains in the following continent.
- Asia. (1mk)
  - North America. (1mk)
  - Europe. (1mk)
- (c) With the aid of a well labelled diagram in each case, describe the formation of the following features:
- (i) Anticlinorium and Synclinorium complex (4mks)
- (ii) Overthrust fold. (6mks)
- (d) Explain the effects of fold mountains on climate. (8mks)
9. (a)(i) Define the following terms:
- Sea. (2mks)
- Ocean topography. (2mks)
- (ii) Give two types of oceanic islands. (2mks)
- (b)(i) State three conditions facilitating the formation of a cliff. (3mks)
- (ii) Describe the following processes involved in marine erosion
- Abrasion (3mks)
- Corrosion (2mks)
- (c)(i) Describe how a bay bar is formed. (5mks)
- (ii) Explain the significance of oceans under the following sub-headings;
- Educational research. (2mks)
- Fishing. (2mks)
- Climate. (2mks)
- 10.(a)(i) Define the term soil. (2mks)
- (ii) Give two factors that contribute to soil leaching. (2mks)
- (b)(i) Identify three characteristics of loamy soils. (3mks)
- (ii) Explain how living organisms influence the formation of soil. (6mks)
- (c)(i) What is soil conservation? (2mks)
- (ii) Describe how the following farming methods conserve soil in Kenya.
- Mulching. (2mks)
- Fallowing. (2mks)
- (d) Students from Menara boys are to carry out field study on soil around their school.
- (i) State three objectives for their study. (3mks)
- (ii) Give three methods of data collection they would have used during the study. (3mks)

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**REPLICA 3**

**312/1**

**GEOGRAPHY**

**PAPER 1**

**TIME: 2½ hours**

**Instructions to Candidates**

- a) Answer all questions in section A.*
- b) In section B, Answer question 6 and any other **two** questions from the remaining questions.*
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- d) Candidate should check that all pages are printed and no questions are missing.*

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Section A.	25	
Question 6	25	
Question 7	25	
Question 8	25	
Question 9	25	
Question 10	25	
<b>TOTAL</b>	<b>100%</b>	

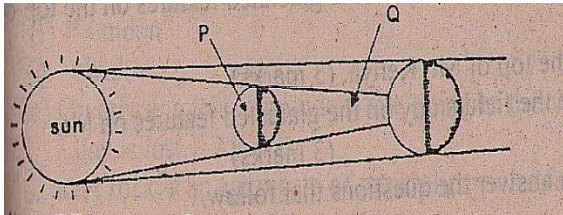
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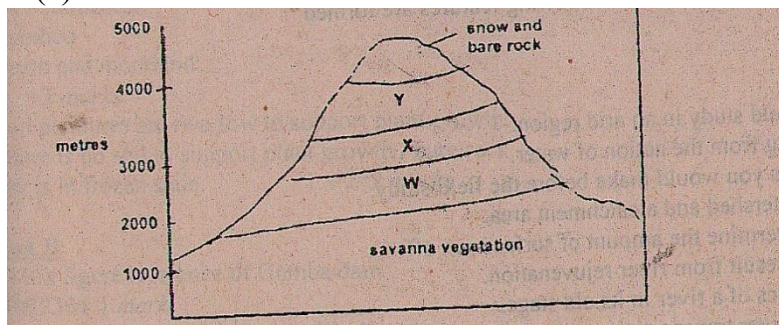


## SECTION A.

1. a) Define the following terms.
  - i) Geography (1mk)
  - ii) Habitat (1mk)
- b) Give **three** branches of geography. (3mks)
2. a) Name **two** elements of weather that can be recorded at a school station. (2mks)
- b) Give **three** reasons why the recording of data at a school station may be inaccurate. (3mks)
3. a) What is a hydrological cycle (2mks)
- b) State **three** factors that influence the amount of surface run-off. (3mks)
4. Use the diagram below to answer questions that follow.



- i) What type of eclipse is represented by the diagram? (1mk)
- ii) Name the parts marked P and Q (2mks)
- iii) what is the effect of the international date line on crossing the line? (2mks)
5. The diagram represents zones of natural vegetation on a mountain in Africa. Use it to answer Question (a)



- a) Name the vegetation zones marked W, X, & Y.
- b) Give **two** reasons why mountains tops have no vegetation

## SECTION B: ANSWER QUESTION SIX AND ANY OTHER TWO QUESTIONS. (75MKS)

6. Study the map of Kisumu East 1:50,000 (sheet 116/2) provided and answer the following questions.
  - a) i) Give the **four** figure grid reference of Obwolo school. (1mk)
  - ii) What is the approximate height of point 000960? (1mk)
  - iii) Name **two** physical features found at grid square 0384. (2mks)
  - iv) Name **two** types of natural vegetation in the area covered by the map (2mks)
  - b) Calculate the area of the Kisumu municipality. Give your answer in square kilometers (km<sup>2</sup>) (2mks)
  - c) Measure the length of the all-weather road(bound surface) from the junction at grid reference 974911 to the edge of the map, grid reference 950968 (2mks)
  - d) Citing evidence, give three social functions of Kisumu town. (6mks)
  - e) i) Using a scale of 1cm to represent 200 metres, draw a cross-section from grid reference 970980 to 030989. (4mks)
  - ii) On it mark and name the following
    - Steep slope (1mk)
    - Motor able road (1mk)

- Nyangori river

(1mk)

iii) Calculate the vertical exaggeration.

(2mks)

7. a) i) Define the term folding

(2mk)

ii) State **three** factors that influence folding.

(3mks)

b) i) Briefly describe the continental drift theory.

(5mks)

ii) State **2** evidences supporting the above theory of continental drift.

(2mks)

c) i) Using a well labelled diagram, explain how conventional currents theory may lead to formation of Fold Mountains.

(6mks)

ii) Highlight the significance of Fold Mountains to human activities.

(5mks)

iii) Give **two** theories that explain the formation of Fold Mountains apart from convectional currents theory.

(2mks)

8. a) Define the following terms

i) Glaciation

(1mk)

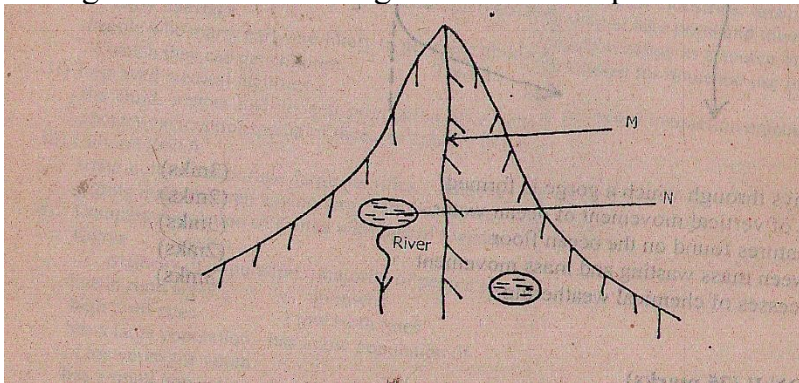
ii) Ice-berg

(1mk)

b) Give **two** reasons why there are no ice sheets in Kenya

(2mks)

c) The diagram below shows a glaciated landscape use it to answer questions that follow.



i) Identify the feature labelled **M** and **N**

(2mks)

ii) Name **two** process through which **N** is formed.

(2mks)

iii) Describe how feature marked **N** is formed.

(5mks)

d) i) Name **two** types of moraines.

(3mks)

ii) Explain **two** factors that determine the speed of ice movement.

(4mks)

e) Students from a school near Mt. Kenya were planning to carry out a field study of the glaciated features on top of the mountain.

i) State **two** reasons why they needed a route map.

(2mks)

ii) Give three challenges they would likely face during their field study. (3mks)

9. a) i) Define the term underground water.

(1mk)

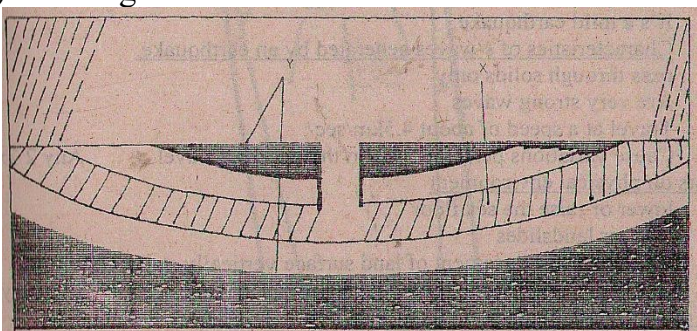
ii) Give **three** sources of underground water.

(3mks)

iii) Explain **3** factors that influence the occurrence of underground water.

(6mks)

b) The diagram below shows an artesian well.



i) Name the parts marked **X** and **Y**.

(2mks)

ii) State **four** conditions necessary for the formation of artesian wells.

(4mks)

iii) Explain **two** significance of underground water to human activities.

(4mks)

- c) You intend to carry out a field study in a Karst landscape.
- i) Give **two** reasons why it is necessary to carry out a pre-visit before the study. (2mks)
- ii) Give **three** follow –up activities that you were engaged in after the actual study.(3mks)
10. a) i) Name **three** factors that influence the formation of soil. (3mks)
- ii) Name three processes of soil formation. (3mks)
- b) Apart from texture, name other properties of soil. (3mks)
- c) i) What is soil degeneration? (2mks)
- ii) Explain **three** ways in which farming practices may lead to loss of soil fertility.(6mks)
- iii) State how soil acidity is reduced. (2mks)
- d) i) Draw a simple – labelled diagram of profile of a mature soil. (4mks)
- ii) Distinguish between soil profile and soil catena. (2mks)

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**REPLICA 4**

**312/1**

**GEOGRAPHY**

**PAPER 1**

**TIME: 2½ hours**

**Instructions to Candidates**

- a) Answer all questions in section A.*
- b) In section B, Answer question 6 and any other **two** questions from the remaining questions.*
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Section A.	25	
Question 6	25	
Question 7	25	
Question 8	25	
Question 9	25	
Question 10	25	
<b>TOTAL</b>	<b>100%</b>	

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## SECTION A: Answer all questions in this section

1. a) State two sub- branches of physical geography. (2 mks)  
b) Give three reasons as to why it is important to study Geography. (3 mks)
2. a) Differentiate between seismic focus and epicenter. (2 mks)  
b) Give three causes of earthquakes. (3 mks)
3. a) Name two major types of vegetation zones in the world. (2 mks)  
b) State three characteristics of coniferous forest. (3 mks)
4. a) The diagram below shows a water cycle. Use it to answer the question that follow.



- i. Name the processes labelled. (3 mks)  
A \_\_\_\_\_  
B \_\_\_\_\_  
C \_\_\_\_\_
  - ii. State two factors influencing the amount of surface run-off. (2 mks)
5. a) What is a lake? (2 mks)  
b) Give three reasons why some lakes in the Kenyan Rift valley are salty. (3 mks)

## SECTION B

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

6. Study the map of Kisumu 1:50,000 (sheet 116/2) provided and answer the following questions.
  - a. i) Give the longitudinal extent of the area covered by the map? (1 mk)  
ii) Name the three human-made features in the grid square 0193. (3 mks)  
iii) Identify two methods used to show relief on the map. (2 mks)  
iv) Calculate the area of Kisumu town. Give your answer in square kilometres.(2 mks)  
v) Name two types of natural vegetation. (2 mks)
  - b. Draw a square 10cm by 10cm to represent the area enclosed by easting 00 and 10, and Northings 80 and 90. (1 mk)  
On it mark and name the following
    - Air photo principal point (04) (1 mk)
    - Chinga market (1 mk)
    - All weather road bound surface. (1 mk)
    - River Ombeyi. (1 mk)
  - c. Describe the distribution of settlement in the area covered by the map. (4 mks)
  - d. Citing evidence from the map, give three economic activities carried out in the area by the map. (6 mks)
7. a)i) Differentiate between a rock and a mineral. (2 mks)

ii) Describe the following characteristics of minerals.

- a) Colour (1 mk)
- b) Hardness (2 mks)

b)i) What are igneous rocks. (2 mks)

ii) State three notable differences between plutonic and volcanic rocks. (3 mks)

c) Describe the formation of the following rocks.

- i. Mechanically formed sedimentary rocks. (3 mks)
- ii. Chemically formed sedimentary rocks. (3 mks)

d(i) Identify the missing type of rocks. (3 mks)

Original rock	Metamorphic rock
Limestone	(i)
(ii)	Graphite
Granite	(iii)

ii) Supposing you were to carry out a field study on rocks at the Kenyan Coast.

- a. State two reasons as to why you would ask for permission from the school administration. (2 mks)
- b. What reasons would you give for the widespread at sedimentary rocks at the Coastal plain. (3 mks)

8. a)i) Differentiate between orogeny and orogenesis. (2 mks)

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

b)i) Apart from Recumbent fold name three types of folds. (3 mks)

ii) With the aid of a well labeled diagrams describe how a recumbent fold is formed. (6 mks)

c) Name three features formed by folding. (3 mks)

d) Explain four positive effects of folding to human activities. (8 mks)

9. a) i) State three sources of ocean salts. (3 mks)

ii) Name two types of tides. (2 mks)

b) With the aid of a well labeled diagrams describe how a stack is formed. (8 mks)

c)i) Name two types of submerged highland coasts. (2 mks)

ii) State two factors influencing deposition by ocean waves. (2 mks)

d) Explain four significance of oceans to human activities. (8 mks)

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

ii) Draw a well labeled diagram of a mature soil profile. (5 mks)

b)i) Other than topography name three factors that influence formation of soil. (3 mks)

ii) Explain how topography influence formation of soil. (3 mks)

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

c(i) Give three types of soil erosion. (3 mks)

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

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**REPLICA 5**

**312/1**

**GEOGRAPHY**

**PAPER 1**

**TIME: 2½ hours**

**Instructions to Candidates**

- a) Answer all questions in section A.*
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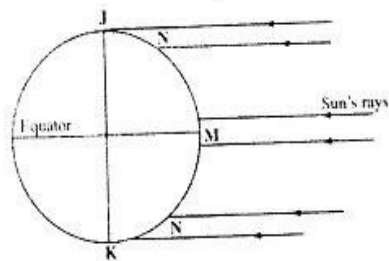
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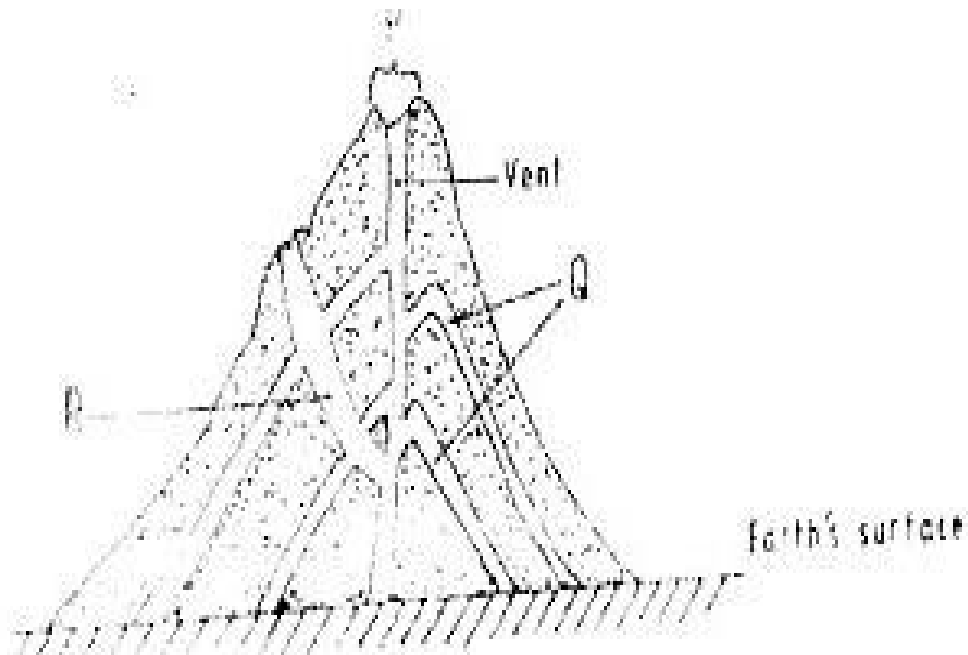
## **SECTION A**

***Answer ALL Questions in this Section***

1. The diagram below shows the angles of the sun's rays at different latitudes when the sun is at the equator.  
Use it to answer questions (a) (b).



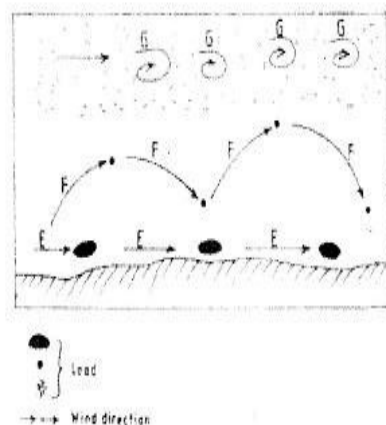
- (a) Name the parts of the earth's surface marked **J** and **K**. (2 marks)  
(b) Give two reasons why the intensity of the insolation is higher at **M** than at **N**. (2 marks)
2. (a) What is weathering? (2 marks)  
(b) Give **three** factors that influence the rate of weathering. (3 marks)
- 3 The diagram below shows a composite volcano.



- (a) Name the features marked **P**, **Q** and **R**. (3 marks)  
(b) How is a parasitic cone formed? (3 marks)
4. (a). What is land breeze? (2 marks)  
(b). Give two ways in which sea breezes influence the adjacent land. (2 marks)

5.





- (a). Name the three ways labelled E, F and G. (3 marks)
- (b). Name three features produced by wind abrasion in arid areas. (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 provided and answer the following questions.

- (a) i) Convert the ratio scale into statement scale. (2 marks)  
 ii) Identify two methods that have been used to represent relief on the map. (2 marks)  
 iii) Name three physical features found in grid square 0298. (3 marks)

(c) i) Give the six figure grid reference of the Air Photo Principal point to the East of Obumba School. (2 marks)

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

(d) i) Citing evidence, name three social services offered in the area covered by the map. (6 marks)

ii) Explain three factors that may have influenced the distribution of settlements in the area. (6 marks)

7. (a) Describe the following characteristics of minerals

- (i) Colour (2 marks)  
 (ii) Cleavage (2 marks)  
 (iii) Hardness (2 marks)

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

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

(c) State four uses of rocks. (4 marks)

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

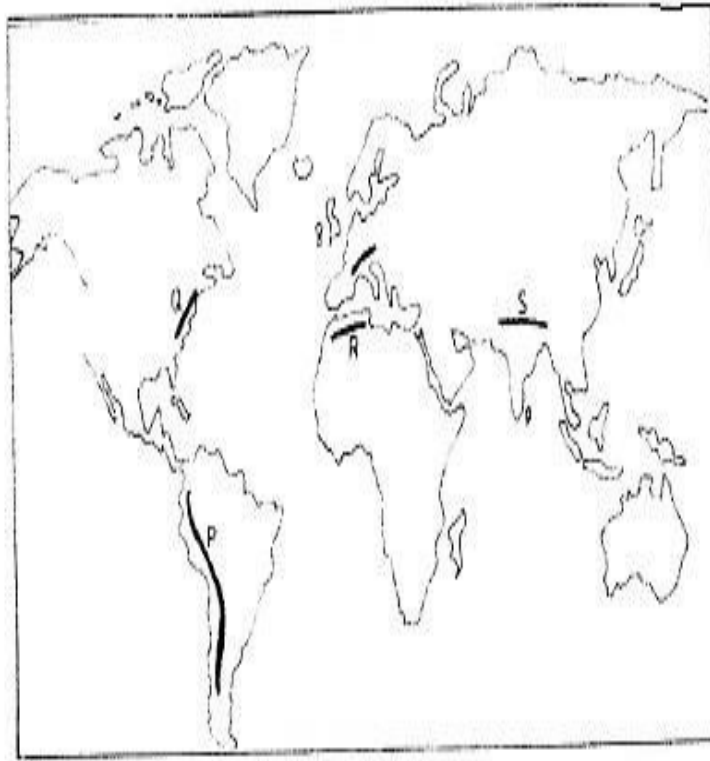
(i) Give two secondary source of information you would use to prepare for the field study. (2 marks)

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

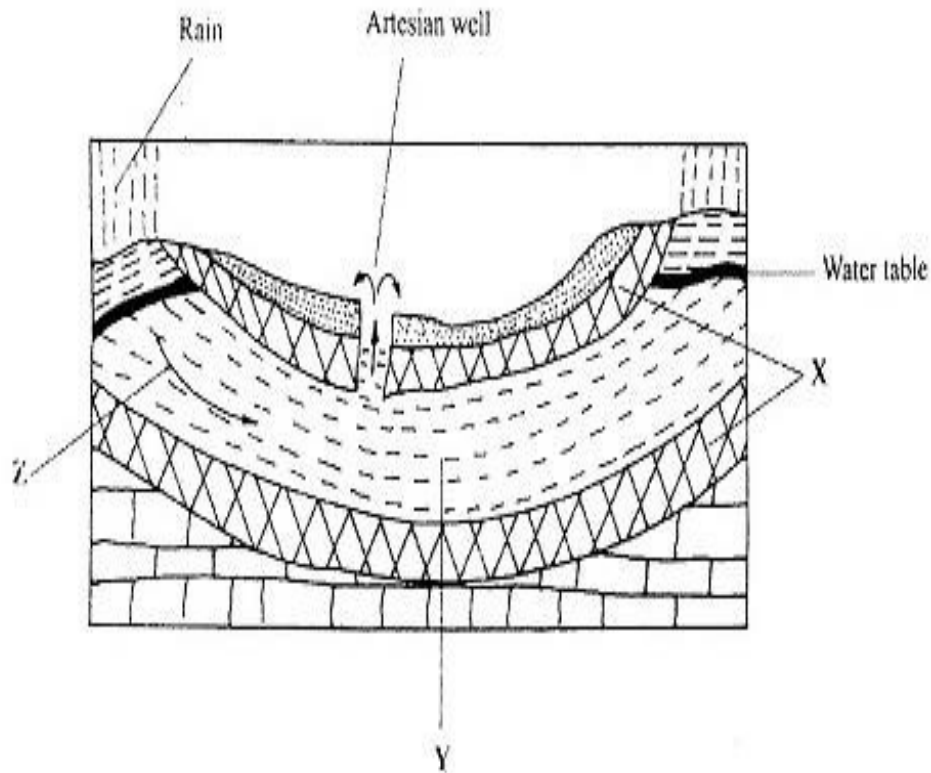
- A fork jembe (1 mark)
- A polythene bag (1 mark)

(iii). Suppose during the field study you collected: Marble, sandstone and granite, classify each of these samples according to its mode of formation. (3 marks)

8. The map below shows the location of some mountain ranges.



- (a). Name the ranges marked P , Q, R and S. (4 marks)
- (b). (i) Apart from fold mountains, name **three** other features resulting from folding. (3 marks)
- (ii). With the aid of labelled diagrams, describe how fold mountains are formed. (10 marks)
- (d) Explain the significance of fold mountains to human activities (8 marks)
9. (a) (i) What are tides? (2 marks)
- (ii). Give **three** causes of ocean currents (3 marks)
- (iii) Name the **three** ocean currents along the western coast of Africa (3 marks)
- (b). (i) State **three** characteristics of submerged lowland coasts. (3 marks)
- (ii) Explain **three** factors that determine the rate of coastal erosion. (6 marks)
- (c). With the aid of labelled diagrams, describe the process through which a stack is formed. (8 marks)
10. The diagram below represents an artesian basin. Use it to answer question (a)



- (a) Identify:
- The layers marked **X** and **Y** (2 marks)
  - The process marked **Z** (1 mark)
- (b) Explain how the following factors influence the amount of underground water in limestone areas:
- Rainfall (4marks)
  - Vegetation cover (4 marks)
- (c)
- Apart from stalagmites, name three other underground features formed in limestone areas. (3 marks)
  - With the aid of a diagram, describe how a stalagmite is formed (8 marks)
- (d) Give three reasons why there are few settlements in karst landscapes. (3 marks)

**GOLDLITE ONLINE EDUCATIONAL SERVICES**  
**Kenya Certificate of Secondary Education**  
**KCSE REPLICA SERIES EXAMS**

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**REPLICA 6**

**312/1**

**GEOGRAPHY**

**PAPER 1**

**TIME: 2½ hours**

**Instructions to Candidates**

- a) Answer all questions in section A.*
- b) In section B, Answer question 6 and any other **two** questions from the remaining questions.*
- c) Answer all questions using the answer booklet provided.*
- d) Candidate should check that all pages are printed and no questions are missing.*

**For Examination use only.**

	Maximum Score	Candidate Score
Section A.	25	
Question 6	25	
Question 7	25	
Question 8	25	
Question 9	25	
Question 10	25	
<b>TOTAL</b>	<b>100%</b>	

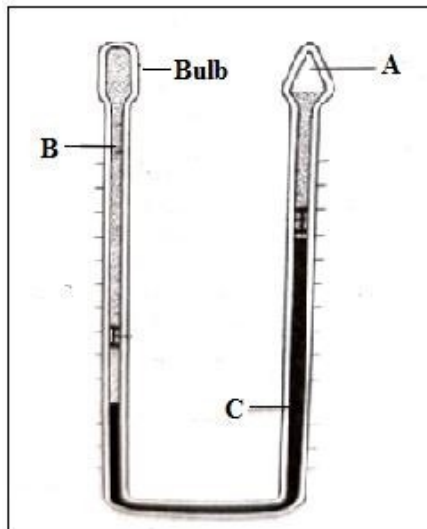
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**FOR MORE PAPERS FOR ALL SUBJECTS AND MARKING SCHEMES**

## SECTION A

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

1. (a) Name **two** heavenly bodies that form part of solar system. (2 marks)  
(b) State **three** characteristics of planets. (3 marks)
2. The diagram below shows six's thermometer. Use it to answer question (a).

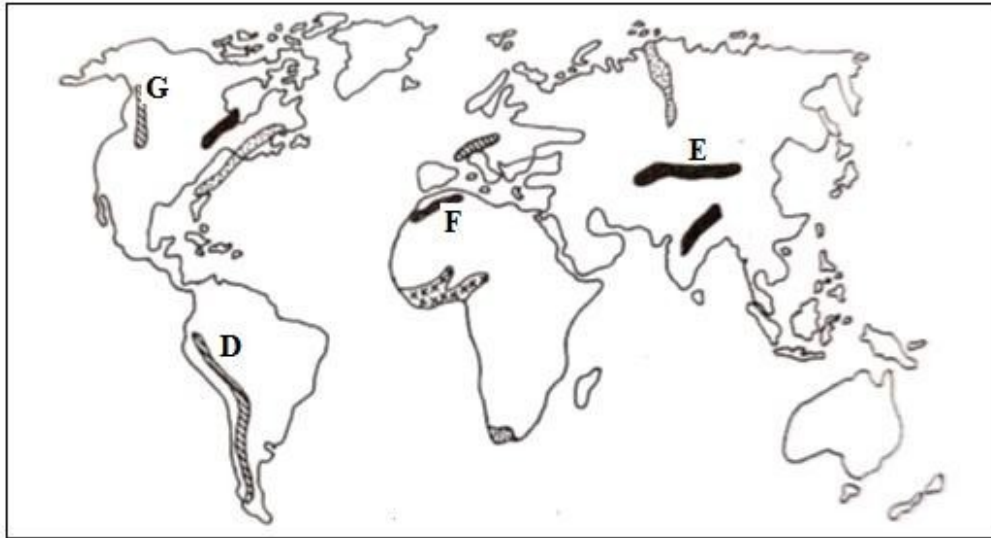


- (a) Identify the parts labeled **A**, **B** and **C**. (3 marks)  
(b) State **two** ways through which latitude influence the temperature of a place. (2 marks)
3. (a) Give **two** types of magma. (2 marks)  
(b) Name **three** lava plateaus found in Kenya. (3 marks)
4. (a) Identify **two** lakes formed through erosion process. (2 marks)  
(b) Give **three** reasons why some lakes are salty. (3 marks)
5. (a) What is weathering? (2 marks)  
(b) State **three** ways through which living organisms cause weathering. (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) Convert the ratio scale of the map to into a statement scale. (2 marks)  
(ii) Give six figure grid reference of the trigonometrical station 1154 SKP 21 in the southern part of the area covered by the map. (2 marks)  
(iii) What is the bearing of Rabuor market from Air photo Principal point in **GR 0986**? (2 marks)  
(iv) What is the length in kilometres of the section of railway line west of the easting 00 to Kisumu station? (2 marks)  
(v) Give **three** drainage features in the area covered by the map. (3 marks)
  - (b) Describe the relief of the area covered by the map. (4 marks)
  - (c) Citing evidence from the map, give **two** factors that influence cultivation of sugarcane in the area covered by the map. (4 marks)
  - (d) Identify **three** social activities carried out within Kisumu municipality. Give evidence. (6 marks)
7. (a) (i) Define the term folding. (2 marks)  
(ii) A part from fold mountains, give **three** other features formed through folding. (3 marks)  
(b) The map below shows the distribution of fold mountains in the world.



- (i) Name the mountains marked **D** and **E**. (2 marks)
    - (ii) Identify the orogenies the mountains marked **F** and **G** were formed. (2 marks)
  - (c) With the aid of well labeled diagrams, describe the formation of the following types of folds.
    - (i) Asymmetrical folds. (4 marks)
    - (ii) Overfolds. (4 marks)
  - (d) Explain **four** positive influence of folding to human activities. (8 marks)
8. (a) What is derived vegetation? (2 marks)
- (b) Explain how the following factors influence the distribution of vegetation.
- (i) Winds (4 marks)
  - (ii) Rainfall (4 marks)
- (c) (i) A part from forests, give **two** other major vegetation types of the world. (2 marks)
- (ii) Describe the characteristics of tropical rainforests. (6 marks)
- (d) Your class is planning to carry out a field study on vegetation around the school.
- (i) Give **three** sources of information you are likely to use before the study. (3 marks)
  - (ii) Identify **four** challenges you are likely to encounter during the study. (4 marks)
9. (a) Differentiate between a river confluence and interfluve. (2 marks)
- (b) Explain **three** types of river erosion. (6 marks)
- (c) (i) A part from waterfalls, give **three** other features of river erosion. (3 marks)
- (ii) State **four** ways through which waterfalls may be formed. (4 marks)
- (d) Describe how the following features are formed.
- (i) Flood plain (5 marks)
  - (ii) Arcuate delta (5 marks)
10. (a) Give **four** components of the soil. (4 marks)
- (b) Explain how the following factors influence soil formation.
- (i) Living organisms (4 marks)
  - (ii) Relief (4 marks)
- (c) Explain **four** causes of soil erosion. (8 marks)
- (d) State **five** significance of soils. (5 marks)

**GOLDLITE ONLINE EDUCATIONAL SERVICES**  
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**KCSE REPLICA SERIES EXAMS**

Name ..... Admission number .....

Candidate's Signature.....Date.....

**REPLICA 7**

**312/1**

**GEOGRAPHY**

**PAPER 1**

**TIME: 2½ hours**

**INSTRUCTIONS TO THE CANDIDATES**

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

**For Examination use only.**

	Maximum Score	Candidate Score
Section A.	25	
Question 6	25	
Question 7	25	
Question 8	25	
Question 9	25	
Question 10	25	
<b>TOTAL</b>	<b>100%</b>	

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**FOR MORE PAPERS FOR ALL SUBJECTS AND MARKING SCHEMES**

## **SECTION A: (25 MARKS)**

*Answer all the questions in this section.*

1. (a) Name the main types of environment. (2 mks)  
(b) State **three** ways a civil engineer benefits from the study of Geography. (3 mks)
2. (a) List **three** main forces responsible for the ageoid shape of the earth. (3 mks)  
(b) State **two** ways geographers study the interior of the earth crust. (2 mks)
3. (a) Give **two** reasons why sedimentary rocks are dominant along the coast of Kenya. (2 mks)  
(b) State **three** main characteristics which determine the chemical composition of igneous rocks. (3 mks)
4. (a) Define weather. (2 mks)  
(b) State **three** reasons why chemical weathering is prevalent in equatorial climate. (3 mks)
5. (a) Use the table below to answer the questions that follow:

MONTHS	J	F	M	A	M	J	J	A	S	O	N	D
TEMP <sup>0</sup>	23	23	23	24	23	22	23	22	23	23	24	23
RAIN (MM)	1313	1400	1502	1460	1480	1480	1500	1508	1300	1480	1508	1490

- (a) Calculate:
  - (i) Temperature range (1 mk)
  - (ii) Annual rainfall (1 mk)
- (b) Describe the characteristics of the climate experienced in the above climatic region. (3 mks)

## **SECTION B**

*Answer question 6 (compulsory) and any other two questions.*

6. Study the map of MIGWANI (1: 50,000) sheet 151 | 1 provided and answer the following questions.
  - (a)
    - (i) Convert the scale of the map into statement scale. (1 mk)
    - (ii) Identify a drainage related feature found in grid 0736978. (1 mk)
  - (b)
    - (i) Give **two** types of natural vegetation found to the East of easting 10. (2 mks)
    - (ii) Describe the relief of the area covered by the map. (5 mks)
  - (c)
    - (i) Citing evidence give **four** functions of the GWANI centre. (4 mks)
    - (ii) Measure the length of the dry weather road from the junction grid reference 923789 to grid reference 001840 in km. (2 mks)
  - (d)
    - (i) Reduce by 2 and draw a rectangle to represent the area bound by Eastings 00 and 10 and Northings 62 and 70. (2 mks)
    - (ii) In the rectangle you have drawn, label
      - Forest (1 mk)
      - River Vinda (1 mk)
      - Dry Weather road (1 mk)
    - (iii) Give the new scale of the drawn rectangle. (1 mk)
  - (e) Some students were requested to carry out field study on drainage patterns in the area covered by the map.
    - (i) Name **two** drainage patterns they observed in the area covered by the map. (2 mks)

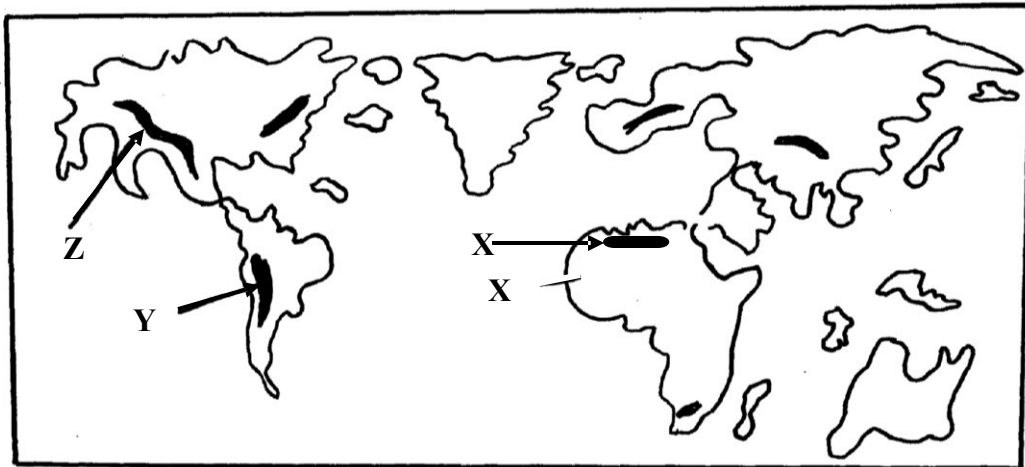


(ii) State **two** problems likely to be experienced during the field study. (2 mks)

7. (a) (i) Define **folding**. (2 mks)

(ii) Name the **main** cause of folding of crustal rocks. (1 mk)

(b) Study the world map provided and answer the questions below:-



(i) Name the fold mountains marked X, Y, Z. (3 mk)

(ii) Using diagrams, show how the continental drift theory explains the formation of fold mountains. (10 mks)

(c) Students of a school in Trans-Nzoia County intend to carry out a field study on folding.

(i) Give **three** reasons why they require a working schedule. (3 mks)

(ii) List **two** methods of data analysis. (3 mks)

(d) List **four** positive effects of Fold Mountains on human activities. (4 mks)

8. (a) (i) Distinguish between a river tributary and a river confluence. (2 mks)

(ii) Describe how a river erodes its channel by the following processes.

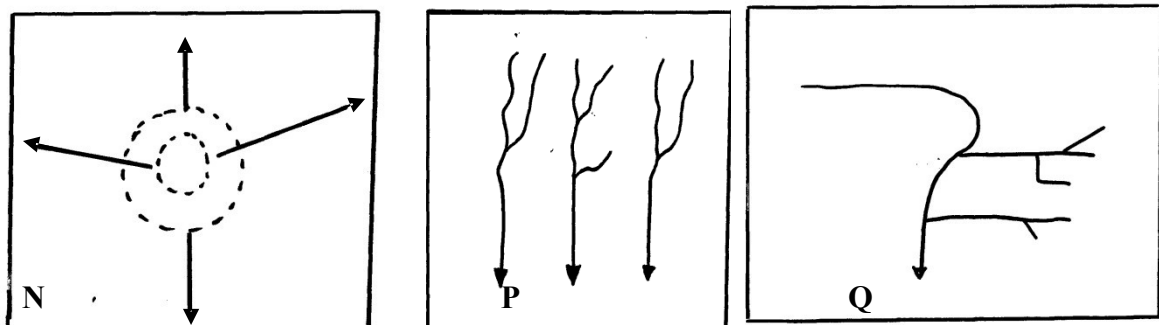
- Hydraulic action (3 mks)

- Corrasion (3 mks)

(b) (i) Explain **three** factors which influence the rate of river erosion. (6 mks)

(ii) State **three** reasons why levees and raised river beds make flooding more dangerous. (3 mks)

(c) The diagrams below represent drainage patterns.

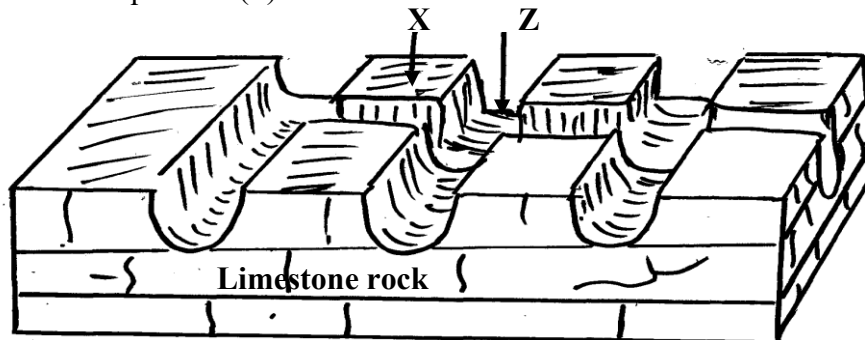


(i) Identify the drainage patterns N, P and Q. (3 mks)

(ii) Describe how a river capture occurs. (5 mks)

9. (a) (i) Define the term Karst Scenery. (2 mks)

(ii) The diagram below shows some of the surface features in a Karst Scenery. Use it to answer question (ii) below.



Name the features marked X and Z. (2mks)

(i) Describe how a stalagmite is formed. (5 mks)

(ii) State **five** conditions necessary for the development of a Karst landscape. (5 mks)

(c) Students of a school in Machakos County intend to carry out a field study in a limestone area.

(i) Name **three** methods of data collection. (3 mks)

(ii) List **two** problems students are likely to encounter during the field study. (2 mks)

(d) Explain **three** significance of limestone landscape on human activities. (6 mks)

10. (a) (i) Differentiate between parent material and bed rock. (2 mks)

(ii) Name **two** types of soil according to texture. (2 mks)

(b) (i) Explain how each one of the following factors influence soil formation.

- Parent rock (3 mks)

- Topography (3 mks)

- Living organisms (3 mks)

(ii) State **four** factors which are responsible for the development of a soil catena. (4 mks)

(c) (i) State **two** causes of soil degeneration. (2 mks)

(ii) Give **four** characteristics of desert soils. (4 mks)

(iii) State **two** ways of conserving soil. (2 mks)

**GOLDLITE ONLINE EDUCATIONAL SERVICES**  
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**REPLICA 8**

**312/1**

**GEOGRAPHY**

**PAPER 1**

**TIME: 2½ hours**

**INSTRUCTIONS TO THE CANDIDATES**

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

**For Examination use only.**

	Maximum Score	Candidate Score
Section A.	25	
Question 6	25	
Question 7	25	
Question 8	25	
Question 9	25	
Question 10	25	
<b>TOTAL</b>	<b>100%</b>	

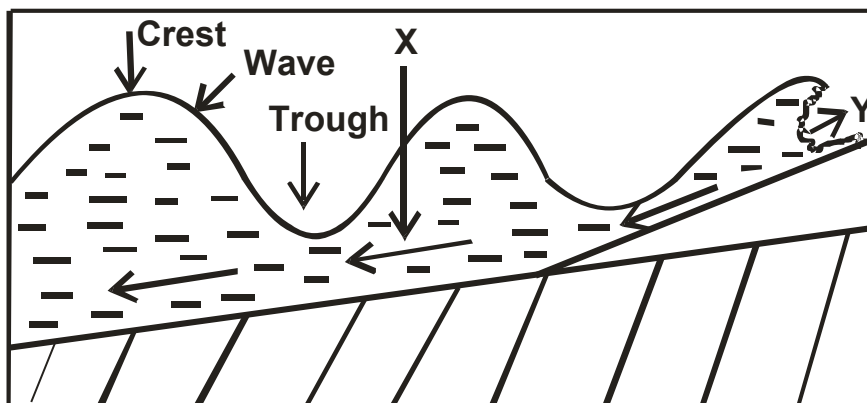
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**FOR MORE PAPERS FOR ALL SUBJECTS AND MARKING SCHEMES**

## **SECTION A**

**Answer ALL questions in this section.**

1. a) State how the following forces influence the shape of the earth. (3 marks)
  - i) Force of gravity
  - ii) Centripetal force
  - iii) Centrifugal force
- b) Outline **three** significances of weather forecasting. (3 marks)
2. a) State **two** factors that determine the size of a lake. (2 marks)
- b) Describe how a caldera lake is formed. (3 marks)
3. a) Differentiate between soil profile and soil catena. (2 marks)
- b) State **three** factors which increase the process of leaching in tropical soils. (3 marks)
4. a) Distinguish between mass wasting and mass movement. (2 marks)
- b) Name **three** processes of chemical weathering. (3 marks)
5. a) State **two** types of waves. (2 marks)
- b) The diagram below shows a breaking wave.

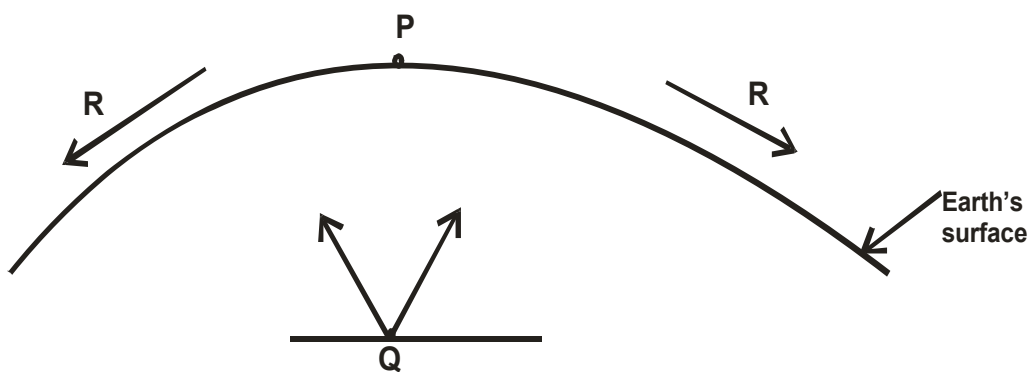


- b) Name the parts X and Y. (2 marks)

## **SECTION B**

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

6. Study the map of Migwani 1:50,000 (sheet 151/1) provided and answer the following questions.
- a) i) What is the four figure grid reference of the court house at Ndooa town? (2 marks)
  - ii) What is the altitude of the highest point in the area covered by the map? (2 marks)
  - iii) Give **two** types of natural vegetation found in the area covered by the map? (2 marks)
  - b) i) Measure the distance of the all-weather road bound surface (C94) from the junction at grid reference 9278 to grid reference 9083. Give your answer in kilometers. (2 marks)
  - ii) What is the bearing of the air photo principal point at grid square 9575 from the dam at grid reference 9078. (2 marks)
  - c) Draw a rectangle 10cm by 8cm to represent the area enclosed by Eastings 90 and 99, and Northings 62 and 69. (1 mark)
  - On the rectangle mark and name the following: (4 marks)
  - i) Air photo principal point
  - ii) Dam
  - iii) Secondary trigonometrical station
  - iv) Kyulu Hill
  - d) Explain three functions of Ndooa town. (6 marks)
  - e) Describe the drainage of the area covered by the map. (4 marks)
7. a) i) Define the term tsunami. (2 marks)- ii) The diagram below shows the mechanisms of earthquakes.



- Name the parts labelled P, Q and R. (3 marks)
- b) i) Using illustrations, describe three types of earthquake waves. (9 marks)
  - ii) Explain **four** proofs that the crust is in constant movement. (8 marks)
  - c) State three ways in which the earth's crust is affected by the earthquakes. (3 marks)

8. a) i) Define the term artesian basin. (2 marks)  
ii) State **four** factors influencing the development of a karst scenery. (4 marks)
- b) i) Give **four** underground features in karst scenery. (4 marks)  
ii) Describe briefly the formation of the following features in karst scenery;  
– Polje (3 marks)  
– Doline (3 marks)
- c) i) Give **three** sources of ground water. (3 marks)  
ii) Explain **three** significances of resultant features in limestone areas to human activities. (6 marks)
9. a) i) Explain three physical factors influencing the distribution of vegetation in Kenya. (6 marks)  
ii) State **two** major vegetation regions of Kenya. (2 marks)
- b) i) Describe **three** characteristics of the tropical rain forest. (6 marks)  
ii) State **three** problems experienced during the exploitation of the tropical rainforest. (3 marks)
- c) Suppose you were to carry out a field study on vegetation on Mt. Kenya.  
i) State **three** objectives you would formulate for the study. (3 marks)  
ii) List **three** methods you would use to record your data. (3 marks)  
iii) Give **two** uses of mountain vegetation you are likely to study about. (2 marks)
10. a) Name three types of faults. (3 marks)
- b) i) Apart from the Rift valley name three other features resulting from faulting. (3 marks)  
ii) With the aid of well labelled diagrams, describe the formation of the rift valley by tensional forces. (7 marks)
- c) Explain the negative effects of faulting on human activities. (6 marks)
- d) Your class plans to carry out a field study on a faulted landscape.  
i) State **three** reasons why they would carry out a reconnaissance. (3 marks)  
ii) Name **three** methods they would use to record their findings. (3 marks)

**GOLDLITE ONLINE EDUCATIONAL SERVICES**  
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**REPLICA 9**

**312/1**

**GEOGRAPHY**

**PAPER 1**

**TIME: 2½ hours**

**INSTRUCTIONS TO THE CANDIDATES**

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

**For Examination use only.**

	Maximum Score	Candidate Score
Section A.	25	
Question 6	25	
Question 7	25	
Question 8	25	
Question 9	25	
Question 10	25	
TOTAL	100%	

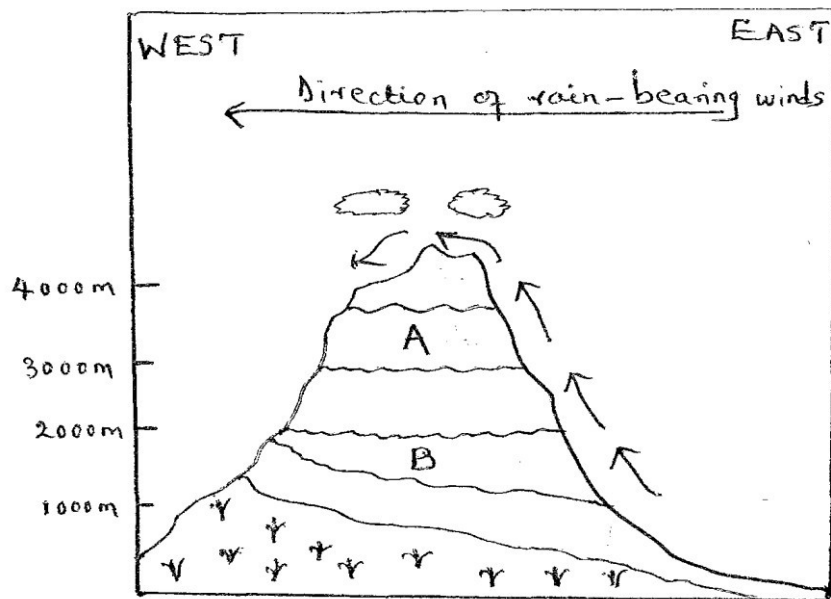
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**FOR MORE PAPERS FOR ALL SUBJECTS AND MARKING SCHEMES**

## SECTION A

*Answer all questions*

1. (a) Name **two** types of tectonic plate boundaries (2mks)  
(b) Give **three** proofs supporting the theory of continental drift. (3mks)
2. The diagram below represents zones of natural vegetation on a mountain within the tropical region. Use it to answer question (a)



- (a) (i) Identify vegetation zones A and B (2mks)  
(ii) Give three reasons why the mountain top has no vegetation (3mks)
3. (a) Describe three factors that influence wind transportation of materials in a desert. (3mks)  
(b) Draw a well-labelled diagram of a barchans dune. (3mks)
4. (a) Name a lake in East Africa that was formed through the following processes.  
(i) Crustal warping (1mk)  
(ii) River deposition (1mk)  
(iii) Glacial erosion (1mk)  
(b) Give **two** effects of human-made lakes to the physical environment. (2mks)
5. (a) Differentiate between eluviation and illuviation soil forming processes. (2mks)  
(b) Identify two causes of chemical degeneration of soil (3mks)

## SECTION B

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

6. Study the map of Kitale 1:50,000 (sheet 75/3) provided and answer the following questions  
(a) (i) Identify the types of scales used in the area covered by



the map. (2mks)  
(ii) Name **two** physical features found in grid square 2816.

(2mks)

(iii) Give **two** methods of showing relief found in the area covered by the map. (2mks)

(iv) Calculate the area of the area covered by the papyrus swamp near Keelah Farm, give your answer in square kilometers. (2mks)

(b) On the square draw a square measuring 10cm by 10cm to represent the area enclosed by Easting 25 and 30 and Northings 15 and 20. On the square mark and draw name the following. (5mks)

- (i) All weather road loose surface
- (ii) River Koitobos
- (iii) Forested area

(c) Describe the drainage of the area covered by the map (6mks)

(d) Citing evidence from the map, explain three factors favouring the growth of the forest in the area covered by the map. (6mks)

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

(ii) Describe the following characteristics of minerals (2mks)

I. Cleavage (2mks)

II. Luster (2mks)

III. Tenacity (2mks)

(b) (i) Differentiate between the processes of the formation of plutonic rocks and volcanic rocks.

(ii) Name **two** examples of extrusive igneous rocks (2mks)

(c) State **three** characteristics of sedimentary rocks (3mks)

(d) Explain the significance of rocks to the economy of Kenya under the following

(i) Energy (2mks)

(ii) Water (2mks)

(e) Suppose form IV students undertook a field study of rocks within the local environment.

(i) Why would they need the following equipments for their study

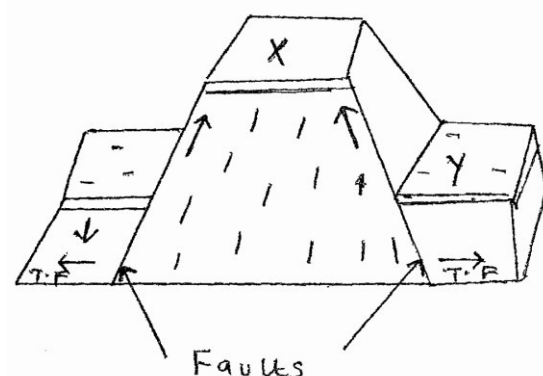
I. Geological hammer (1mk)

II. Polythene bags (1mk)

(ii) State **two** hypothesis for their study (2mks)

(iii) Outline two follow-up activities they may have undertaken for their study. (2mks)

8. (a) (i) Define faulting (2mks)
- (ii) Study the diagram below and use to answer the questions that follow.



Identify the parts labeled X and Y (2mks)

- (b) (i) Using well-labelled diagrams describe how a rift valley may be formed by tensional forces (7mks)

(ii) Explain the effects of faulting on the human environment (6mks)

- (c) (i) Differentiate between vulcanicity and volcanicity (2mks)

(ii) State **three** characteristics of a composite volcanic (3mks)

(iii) Describe the influence of mount Kenya on drainage. (2mks)

9. (a) (i) Differentiate between mass wasting and mass movement (2mks)

(ii) Give **two** agents of weathering (2mks)

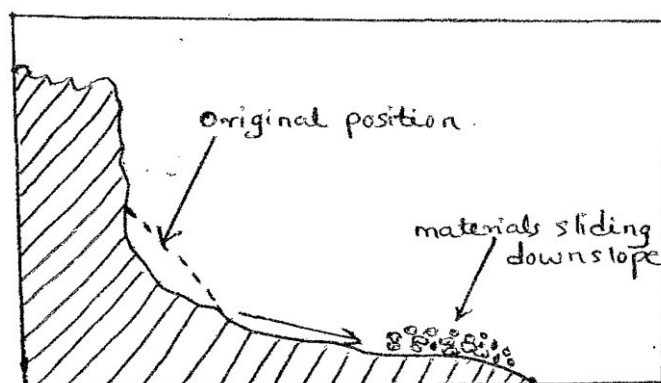
(iii) State **three** factors influencing the rate of weathering (3mks)

(iv) Give **two** processes of weathering as a result of temperature change (2mks)

- (b) Explain **three** significances of weathering to the physical and human environment (6mks)

- (c) (i) State **two** physical conditions that may influence landslides (2mks)

(ii) The diagram below shows a type of landslide



Identify the resultant feature above and describe how it occurs (4mks)

(d) Explain the effects of mass wasting on the following

- (i) Creation of lakes (2mks)
- (ii) Formation of new landforms (2mks)

10. (a) (i) Define the hydrological cycle (2mks)
- (ii) State **three** factors that determine the amount of surface run-off (3mks)
- (b) (i) Outline **three** characteristics of a river in its old stage. (3mks)
- (ii) Explain **three** causes of river rejuvenation (6mks)
- (c) Using well labeled diagram, describe the formation of antecedent drainage system.
- (d) Your class is planning to carry out a field study of a waterfall
- (i) Give **three** reasons why it is important to study the work of rivers through field work.
  - (ii) State **three** problems you are likely to encounter during the field study.

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**REPLICA 10**

**312/1**

**GEOGRAPHY**

**PAPER 1**

**TIME: 2½ hours**

**INSTRUCTIONS TO THE CANDIDATES**

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

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	Maximum Score	Candidate Score
Section A.	25	
Question 6	25	
Question 7	25	
Question 8	25	
Question 9	25	
Question 10	25	
<b>TOTAL</b>	<b>100%</b>	

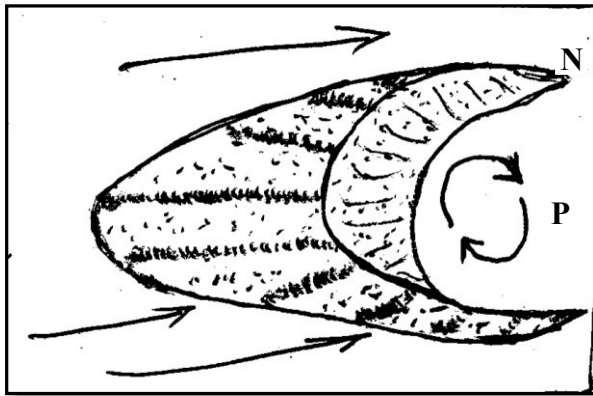
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**FOR MORE PAPERS FOR ALL SUBJECTS AND MARKING SCHEMES**

## **SECTION A**

*Answer ALL the questions in this section.*

1. a) What does the word 'Geo' mean? (1 mark)  
b) Give **four** areas of great interest to a physical geographer. (4 marks)
2. a) Name **two** plains found in Kenya. (2 marks)  
b) State **three** ways in which plains are formed. (3 marks)
3. a) Identify **two** types of local winds. (2 marks)  
b) Describe briefly how a land breeze occurs. (3 marks)
4. a) Define river capture. (2 marks)  
b) List **three** evidences of river capture. (3 marks)
5. The diagram below shows a barchan.



- a) Name the feature marked N. (1 mark)
- b) Name the air currents marked P. (1 mark)
- c) Describe how a barchan is formed. (3 marks)

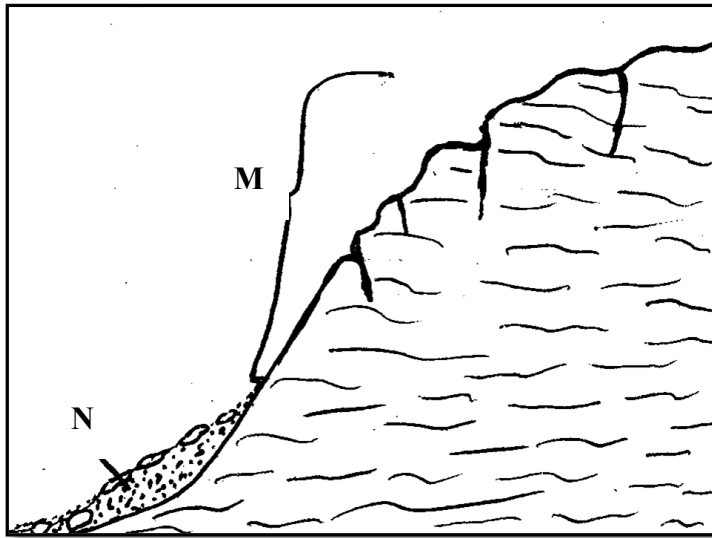
## **SECTION B**

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

6. Study the map of Migwani 1:50,000 (sheet 151/1) provided and answer the following questions.
  - a) i) What type of map is Migwani map extract? (2 marks)
  - ii) What is the height of the highest point on the area covered by the map? (2 marks)
  - iii) Identify **two** types of natural vegetation on the area covered by the map. (2 marks)
  - iv) Determine the direction and bearing of Kauma dam from Usiani school. (3 marks)

- b) Draw a square 14cm by 14cm to represent the area shown on the map between easting 06 and 13 and northing 77 and 84. (1 mark)
- On the square, mark and name the following:
- i) Dry weather road (1 mark)
  - ii) Mboni dam (1 mark)
  - iii) Water pipeline (1 mark)
  - iv) River Ngoo (1 mark)
- c) i) Using evidence from the map, describe the climate of the area. (4 marks)
- ii) What **two** problems do the climatic conditions you have described above pose to the area? (2 marks)
- iii) Citing evidence from the map, mention two attempts that have been made to solve the problems above. (2 marks)
- d) Describe the topography of the region shown on the map. (3 marks)
7. a) i) Describe how a tarn is formed. (4 marks)
- ii) Name **two** areas in East Africa where tarns are found. (2 marks)
- b) State **five** external land forming processes that lead to formation of lakes. (5 marks)
- c) Explain the effects of each of the following on lakes in Kenya:
- i) Deforestation (2 marks)
  - ii) Industrialization (2 marks)
  - iii) Waterweeds (2 marks)
- d) Explain **four** ways by which human activities threaten the existence of lakes in Kenya. (8 marks)
8. a) i) Distinguish between a spring and a well. (2 marks)
- ii) State three sources of underground water. (3 marks)
- b) Explain how the following factors influence the existence of underground water.
- i) nature of rocks (2 marks)
  - ii) vegetation cover (2 marks)
- c) i) What is an artesian well? (1 mark)
- ii) Explain **three** conditions which are ideal for the formation of artesian wells. (6 marks)
- iii) Draw a neat diagram of an artesian basin and on it mark and name the following. (2 marks)
- The water-intake area (1 mark)
  - An aquifer (1 mark)
  - The impermeable rock (1 mark)
- iv) Explain **two** problems associated with artesian wells. (4 marks)

- a) i) State **three** factors which cause soil creep. (3 marks)
- ii) describe **four** effects of soil creep. (4 marks)
- b) i) State **two** conditions which may influence the occurrence of landslides. (2 marks)
- ii) Name **three** forms of landslides. (3 marks)
- iii) Apart from landslides, name **two** other forms of rapid mass wasting. (2 marks)
- c) The diagram below shows mass movement on a slope.



Name the:

- i) Type of mass movement shown. (1 mark)
- ii) Features M and N. (2 marks)
- d) Explain **four** effects of mass wasting on the physical environment. (8 marks)
9. a) i) What is an earthquake? (2 marks)
- ii) Explain **three** causes of earthquakes (6 marks)
- b) i) Using an illustration distinguish between seismic focus and epicentre. (4 marks)
- ii) Name **two** types of earthquakes waves. (2 marks)
- c) Student from Magomani High School carried out a field study in a region affected by earthquakes.
- i) Formulate a null hypothesis for their study. (1 mark)
- ii) State **two** reasons why they conducted a reconnaissance (pre-visit). (2 marks)
- iii) List **two** methods they used to record data during the study. (2 marks)
- d) Explain **three** effects of earthquakes on the human environment. (6 marks)

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**REPLICA 1**

**312/2**

**GEOGRAPHY**

**PAPER 2**

**Instructions to candidates**

- (a) Write your Name and Index Number in the spaces provided above,
- (b) This paper consists of two Sections; A and B.
- (c) Answer aU the questions in Section A.
- (d) Answer question 6 and any other two questions from Section B.
- (e) This paper consists of 8 printed pages. Candidates should check the question paper to ascertain that all the pages are printed as indicated and that no questions are missing.
- (f) Indicate the question you have chosen to do in section B in the table below

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Section	Question	Maximum score	Candidate's score
A	1-5	25	
B	6	25	
		25	
		25	
TOTAL SCORE			

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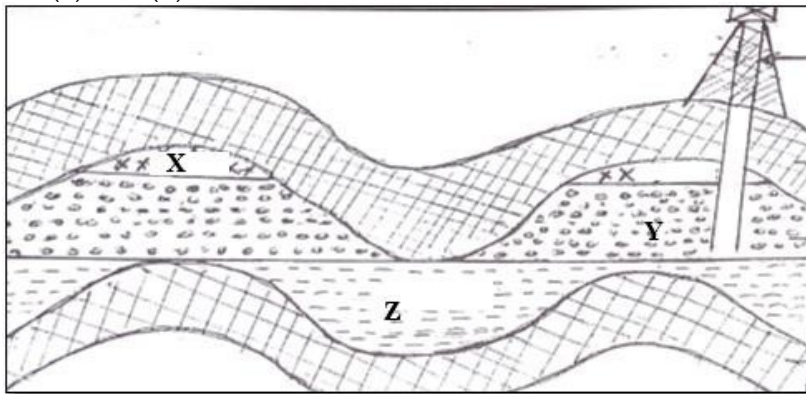
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**SECTION A: 25 MARKS**

*Answer ALL questions in this section*

1. (a) (i) Define Geography. (2 mark)
- .....
- .....
- (ii) Name **two** branches of Geography (2 marks)
- .....
- .....
- (b) State **three** reasons why it is important to study Geography. (3 marks)
- .....
- .....
2. (a) Name **two** breeds of dairy cattle reared in Kenya. (2 marks)
- .....
- .....
- (b) State **two** factors which favour dairy farming in Denmark. (2 marks)
- .....
- .....
3. (a) Give **two** types of ground photographs. (2 marks)
- .....
- .....
- (b) State **two** limitations of using photographs. (2marks)
- .....
- .....
4. The diagram below shows the occurrence of petroleum on the earth crust. Use it to answer questions (a) and (b)



- (a) Name the substance in the areas labeled X, Y and Z. (3marks)
- X.....
- Y.....

Z.....

(b) Give **two** by products obtained when crude oil is refined. (2marks)

.....  
.....  
.....

5. (a) State **two** factors that influence the distribution forests in Kenya. (2marks)

.....  
.....  
.....

(b) State **three** effects of deforestation to the environment. (3marks)

.....  
.....  
.....

### SECTION B

**Answer question six (6) and any other two Questions from this section.**

6. The table below shows three main crops produced in Kenya in the years 2008-2010 (Amounts in metric tonnes). Use it to answer questions below.

Crop	2008	2009	2010
Maize	200,000	380,000	400,000
Wheat	100,000	130,000	150,000
Tea	250,000	300,000	350,000

(a)(i) Using a scale of 1cm represent 50,000 metric tonnes, draw a comparative bar graph to represent the data above. (8 marks)

(ii). State **two** advantages of using comparative bar graph. (2 marks)

(b) i). Name **two** counties in Kenya where wheat is grown in large scale. (2 marks)

ii). State **three** conditions that favour wheat farming in Kenya. (3 marks)

(c). State **four** benefits of wheat growing in Kenya. (4 marks)

(d). Explain **three** factors that make Canada produce more wheat than Kenya. (6 marks)

7. (a) (i) Define the term mining? (2 marks)

(ii) Give four methods of underground mining. (4 marks)

(b) Explain how the following factors influence mining:

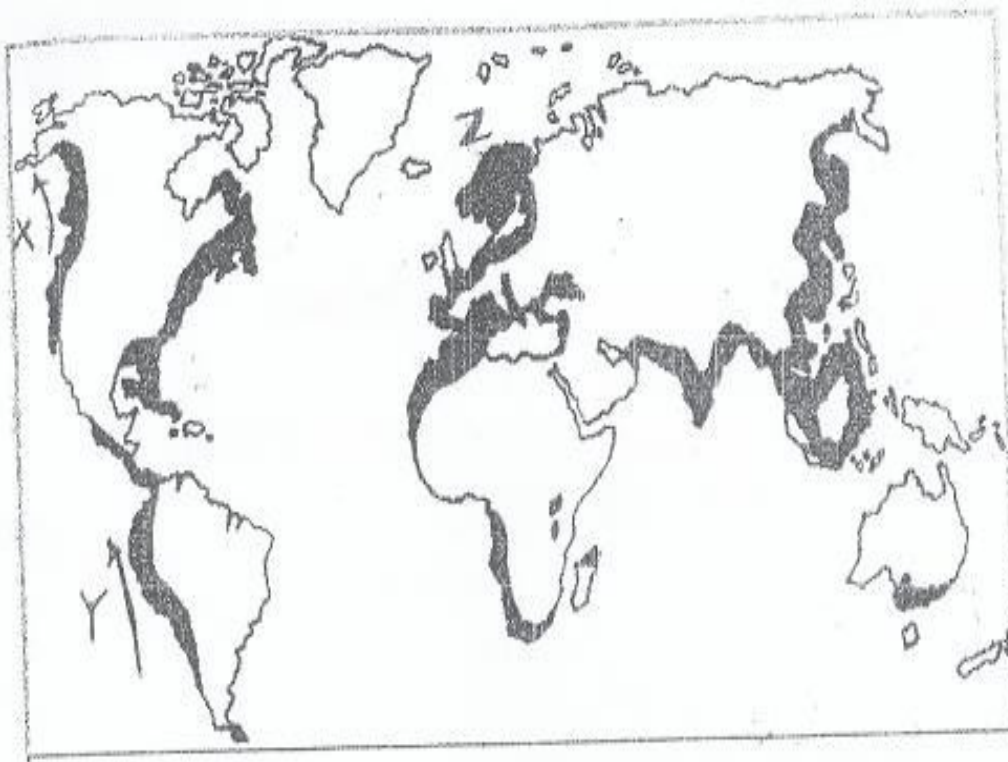
(i) Level of technology (4 marks)

(ii) Quality of the ore (2 marks)

(c) Explain **four** benefits of trona mining at Lake Magadi to Kenya. (8 marks)

(d) State **five** negative effects of mining on the environment. (5 marks)

8. Use the world map below to answer question (a).



- (a) (i). Name the ocean currents marked x and Y. (2 marks)  
 (ii). Name the fishing ground marked Z. (1 mark)
- (b). Explain **three** physical factors that favour fishing in the fishing ground marked Z. (6 marks)
- (c) (i). What is fish farming? (2 marks)  
 (ii). Name **two** fish species reared in fish farms in Kenya. (2 marks)  
 (iii). Explain **four** problems which are experienced by fish farmers in Kenya. (8 marks)
- (d). Give **four** uses of fish. (4 marks)
9. a) State the difference between forest and forestry. (2marks)  
 b) Explain **four** measures that the Government of Kenya is taking to conserve forest in the country. (8marks)  
 c) i) List any **three** examples of softwood tree species found in Canada. (3marks)  
 ii) State and explain any **three** factors that have favoured forestry in Canada. (6marks)  
 d) You intend to carry out a field study on forestry within your local environment.  
 i) State **three** objectives you would formulate for the study. (3marks)  
 ii) Give **three** reasons why it is important to have a working schedule. (3marks)
10. a) i). Differentiate between Land Reclamation and Land Rehabilitation. (2marks)  
 ii). Give **three** methods used in reclaiming land in Kenya. (3marks)  
 b) i). State **three** benefits of reclaiming Yala swamp. (3marks)  
 ii). State **four** physical conditions that favour the establishment of Perkerra Irrigation Scheme. (4marks)  
 c. Explain **three** problems faced by rice farmers in Mwea Irrigation Scheme. (6marks)  
 d. i). What is a polder? (1mark)  
 ii). Outline the stages involved in reclaiming land from the sea in the Netherlands. (6marks)

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**REPLICA 2**

**312/2**

**GEOGRAPHY**

**PAPER 2**

**Instructions to candidates**

- (a) Write your Name and Index Number in the spaces provided above,
- (b) This paper consists of two Sections; A and B.
- (c) Answer aU the questions in Section A.
- (d) Answer question 6 and any other two questions from Section B.
- (e) This paper consists of § printed pages. Candidates should check the question paper to ascertain that all the pages are printed as indicated and that no questions are missing.
- (fi Indicate the question you have chosen to do in section B in the table below

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Section	Question	Maximum score	Candidate's score
A	1-5	25	
B	6	25	
		25	
		25	
TOTAL SCORE			

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### **SECTION A.**

#### **Answer All the Questions in the Section**

1. (a) Name **two** provinces in Canada where wheat is grown in large scales. (2 marks)  
(b) List **three** economic factors that influence agriculture. (3 marks)
2. (a) Name **two** horticultural crops grown in Kenya. (2 marks)  
(b) State **three** reasons why horticulture is more developed in the Netherlands than in Kenya. (3 marks)
3. (a) State **three** reasons why marine fisheries in Kenya are underdeveloped. (3 marks)  
(b) State **three** ways through which fish farming contributes to the economy of Kenya. (3 marks)
4. (a) Differentiate between transport and communication. (2 marks)  
(b) State **three** modern means of communication used in Kenya besides cellphones. (3 marks)
5. The table below represents information on population change in Kenya by region between years 2000 and 2005.

Region	Population in Millions	
	Years	
	2000	2005
Nairobi	2.229	2.751
Central	3.882	4.038
Coast	2.662	2.927
Eastern	4.840	5.120
North-Eastern	1.054	1.438
Nyanza	4.598	4.916
Rift-Valley	7.386	8.366
Western	5.532	3.885
<b>Total</b>	<b>30.183</b>	<b>33.441</b>

- (a) Which region had the highest change in population between 2000 and 2005? (2 marks)
  - (b) Calculate the percentage increase in population in Kenya between 2000 and 2005. (2 marks)
-

## **SECTION B**

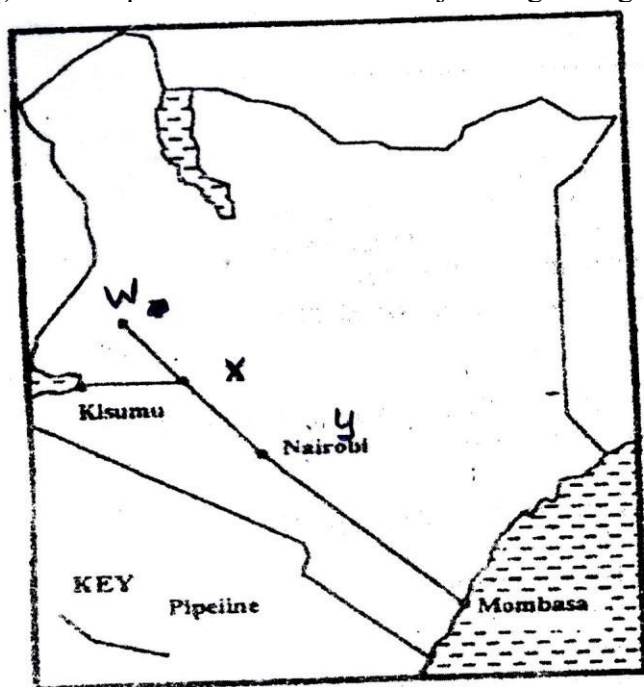
*Answer Question 6 and any other two questions from this section.*

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



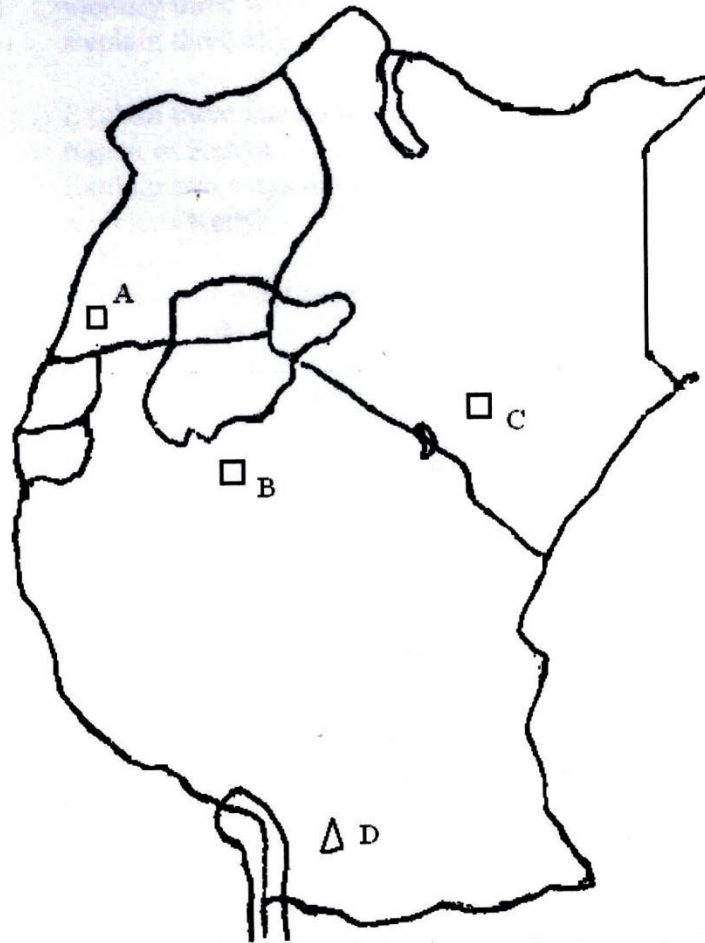
- (a) (i) Name the type of photograph shown. (1 mark)  
(ii) Draw a rectangle measuring 15cm by 10cm to represent the area of the photograph. (1 mark)  
(iii) On the rectangle, draw a sketch of the photograph and label three physical features. (3 marks)  
(iv) Explain **two** physical conditions that would discourage setting up of a game park in the area shown on the photograph. (4 marks)
- (b) Apart from national parks, outline **four** other ways in which wildlife is conserved in Kenya. (4 marks)
- (c) Give **four** reasons why domestic tourism is being encouraged in Kenya. (4 marks)
- (d) Explain **four** factors which make Switzerland receive more tourists than Kenya. (8 marks)
7. (a) (i) What is forestry? (2 marks)  
(ii) Explain **three** factors that favour the growth of natural forests on the slopes of Mt. Kenya. (6 marks)  
(iii) State **five** factors that have led to the reduction of the area under forest on the slopes of Mt. Kenya. (5 marks)
- (b) Explain **four** measures that the government of Kenya is taking to conserve forests in the country. (8 marks)
- (c) Give the differences in the exploitation of softwood forests in Kenya and Canada under the following sub-headings:  
(i) Period of harvesting (2 marks)  
(ii) Transportation (2 marks)
-

8. (a) The map below shows some major tea growing areas in Kenya.



- (i) Name the areas marked W, X and Y. (3 marks)
- (ii) State **four** physical conditions that favour tea growing in Kenya. (4 marks)
- (b) The table below shows tea production in Kenya for two years.
- | Years | Tea Produced (in tonnes) |
|-------|--------------------------|
| 1975  | 56,000                   |
| 1985  | 137,000                  |
- (i) Calculate the percentage increase in tea production over the ten years period between 1975 and 1985. (2 marks)
- (ii) Give **two** reasons why there was such an increase in tea production over the given period. (2 marks)
- (c) Describe the stages through which tea is processed from picking to the time its ready for marketing. (6 marks)
- (d) Explain **four** problems experienced in small scale farming in Kenya. (8 marks)

9. A map of East Africa showing minerals distribution.



Use the map of East Africa above to answer question (a).

- (a) (i) Name the mineral mined at points A, B, C, D. (4 marks)
- (ii) Give **three** by products obtained when crude oil is refined. (3 marks)
- (b) (i) Explain how trona is processed after reaching the factory. (7 marks)
- (ii) List **three** uses of soda ash. (3 marks)
- (c) Explain **four** effects of the rising prices of crude oil in the economy of Kenya. (8 marks)
10. (a) (i) Apart from water and air pollution, name **two** other types of pollution. (2 marks)
- (ii) Identify **three** ways through which water is polluted (3 marks)
- (iii) Explain **three** effects of air pollution on the environment. (6 marks)
- (b) (i) Explain **three** factors that lead to frequent flooding in the lake region of Kenya. (6 marks)
- (ii) Explain **two** ways through which floods are controlled in the lake region of Kenya. (4 marks)
- (c) State **four** effects of wind as an environmental hazard in Kenya. (4 marks)



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**REPLICA 3**

**312/2**

**GEOGRAPHY**

**PAPER 2**

**Instructions to candidates**

- (a) Write your Name and Index Number in the spaces provided above,
- (b) This paper consists of two Sections; A and B.
- (c) Answer **aU** the questions in Section A.
- (d) Answer question 6 and any other two questions from Section B.
- (e) This paper consists of 8 printed pages. Candidates should check the question paper to ascertain that all the pages are printed as indicated and that no questions are missing.

(fi Indicate the question you have chosen to do in section B in the table below

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Section	Question	Maximum score	Candidate's score
A	1-5	25	
B	6	25	
		25	
		25	
TOTAL SCORE			

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## SECTION A (25MARKS)

*Answer all the questions in this section*

1. (a) Give the relationship between Geography and Agriculture. (2mks)  
(b) State three significance of learning Geography. (3mks)
2. (a) What is horticulture? (2mks)  
(b) State three advantages of using green house in horticulture farming (3mks)
3. (a) Name two minerals mined in South Africa (3mks)  
(b) State three problems facing mining industry in South Africa (3mks)
4. (a) State two factors necessary for a land to be reclaimed (3mks)  
(b) Give three uses of polder land in Netherlands (3mks)
5. Give four ways in which Kenya will benefit as a result of oil discovery in Turkana County (4mks)

## SECTION B

*Answer 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

- (a) (i) Using a scale 1cm representing 5 million livestock, draw a comparative bar graph to represent the above given data.(8mks)
- (ii) State three advantages of comparative bar graph (3mks)
- (b)(i) Explain three factors that favour beef farming in Argentina (6mks)
- (ii) Name two exotic breeds of cattle reared in commercial ranches in Kenya (2mks)
- (c) Explain three ways which the government of Kenya assists nomadic pastoralists to improve the quality of their livestock (6mks)
7. (a) (i) Name three tree species found in the softwood forest of Canada. (3mks)
- (ii) State physical factors that favor the growth of softwood forest in Canada (3mks)
- (b) State four characteristics of softwood forest in Canada (4mks)
- (c) Give three reasons why it is necessary to carry out afforestation programmes in Kenya forest (3mks)
- (d) State the differences between softwood forest of Canada and kenya under the following sub-headings:
- i)Species (2mks)

ii)Mode of transportation (2mks)

iii)Harvesting (2mks)

e)Explain three significance of forests in kenya to human activities.6mks)

8. (a)State three physical conditions that favour sugar cane growing in the lake Victoria basin in Kenya. (3mks)

(b)Describe the cultivation of sugarcane in Kenya. (6mks)

(c) Explain five problems facing sugarcane farming in Kenya. (10mks)

d)Your class visited a sugar factory for a field study on sugar processing.

i) Outline four stages of sugar processing that the class may have observed.(4mks)

ii) Name two by-products of sugar that the class may have identified during the study. (2marks)

9. (a)(i) What is wildlife? (2mks)

(ii) Give three factors that favour the establishment of national park at Tsavo (3mks)

(iii)Mention four tourists attractions in kenya .(4mks)

(b) Explain four factors that hinder the development of domestics tourism in Kenya (4mks)

(c) State four problems associated with tourism industry in Kenya (4mks)

(d) Explain four benefits of tourism in the economy of Kenya (8mks)

10. (a) (i) Name TWO types of fishing. (2 mks)

(ii) State THREE reasons why marine fisheries are under developed in Kenya. (3 mks)

(iii) State FOUR solutions to the problems facing the fishing industry in Kenya. (4 mks)

(b) (i) Give TWO modern methods of fish preservation. (2 mks)

(ii) Describe the basket method of fishing. (5 mks)

(c) (i) Name THREE countries in the North West Atlantic fishing ground. (3 mks)

(ii) Compare fishing in Kenya and Japan under the following subheadings:

- Continental shelf (2 mks)

- Coastline (2 mks)

- Ocean currents (2 mks)

**GOLDLITE ONLINE EDUCATIONAL SERVICES**  
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**REPLICA 4**

**312/2**

**GEOGRAPHY**

**PAPER 2**

**Instructions to candidates**

- (a) Write your Name and Index Number in the spaces provided above,
- (b) This paper consists of two Sections; A and B.
- (c) Answer aU the questions in Section A.
- (d) Answer question 6 and any other two questions from Section B.
- (e) This paper consists of 8 printed pages. Candidates should check the question paper to ascertain that all the pages are printed as indicated and that no questions are missing.

(f) Indicate the question you have chosen to do in section B in the table below

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Section	Question	Maximum score	Candidate's score
A	1-5	25	
B	6	25	
		25	
		25	
TOTAL SCORE			

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## SECTION A

1. a) What is mining? (2 mks)  
b) State three ways in which minerals occur. (3 mks)
2. a) Name indigenous soft wood tree species found in the Kenyan forest. (2 mks)  
b) Give three importance of agro forestry. (3 mks)
3. a) Distinguish between horticulture and market gardening. (2 mks)  
b) Give three characteristics of horticultural farming in Kenya. (3 mks)
4. a) Name two major swamp areas that have been reclaimed in Kenya. (2 mks)  
b) State three physical factors that influenced the location of Perkera irrigation scheme. (3 mks)
5. a) Identify two types of tourism. (2 mks)  
b) State three problems facing tourism in Kenya. (3 mks)

## SECTION B

**Answer question 6 and any two questions in this section**

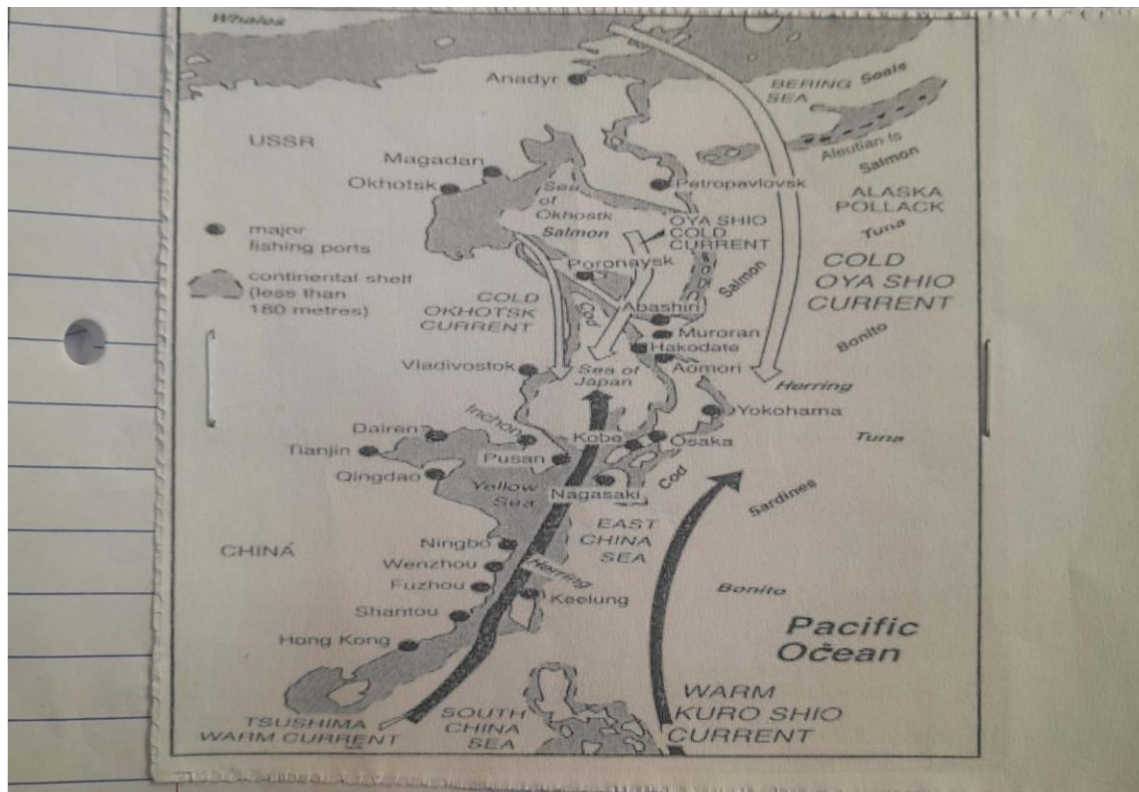
6. The table below shows the number of Zebu cattle in different countries in Kenya in 2014.

County	Number of Zebu cattle
Isiolo	42500
Wajir	22600
Marsabit	20300
Mandera	15400

- a) Draw a divided rectangle 15 cm long to represent the data above. (7 mks)
  - b) Calculate the range of the above data. (2 mks)
  - c) Give three advantages of using divided rectangle to represent data. (3 mks)
  - d) i) Give three reasons why nomadic pastoralists keep large herds of animals. (3 mks)  
ii) Name two nomadic communities involved in beef cattle rearing in Kenya. (2 mks)  
iii) Explain four ways in which the government of Kenya assist nomadic pastoralists to improve the quality of their livestock. (8 mks)
7. a(i) Name two major categories of minerals. (2 mks)  
ii) Identify four factors that influence the occurrence of minerals. (4 mks)  
b(i) Apart from shaft mining name three other methods of mining. (3 mks)  
ii) Describe how shaft mining method is carried out. (6 mks)  
ci) name two areas in South Africa where diamond is mined. (2 mks)  
ii) Explain four ways in which diamond mining contributed to the economy of South Africa. (8 mks)
8. a)i) Define re-afforestation. (2 mks)  
ii) State four reasons why afforestation is encouraged in Kenya. (4 mks)  
b(i) Name three provinces in Canada where forestry is practiced on a large scale. (3 mks)  
ii) State four factors favouring exploitation of forest in Canada. (4 mks)  
ci) Explain three factors that favour the growth of natural forest on the slopes of Mount Kenya. (6 mks)  
ii) Explain three problems which hinder the Kenyan government efforts to manage and conserve forest in Kenya. (6 mks)

9. a(i) Differentiate between land reclamation and land rehabilitation. (2 mks)  
 ii) Give four problems facing Mwea Tebere irrigation scheme. (4 mks)  
 b) i) Explain three ways in which land is being rehabilitated in Kenya. (6 mks)  
 ii) Name two projects in Netherlands which were aimed at reclaiming land from the sea. (2 mks)  
 c) Describe the steps followed in reclaiming land for agricultural use in Netherlands. (6 mks)  
 d) State five benefits which Kenya derives from irrigation farming. (5 mks)

10. The diagram below shows a fishing in the pacific ocean.



- i. Identify the fishing ground shown above. (1 mk)  
 ii. Name three types of fish species found in the fishing ground above. (3 mks)  
 b) i) Differentiate between fishing and fisheries. (2 mks)  
 ii) Name two inland types of fisheries in Kenya. (2 mks)  
 c (i) Describe the long lining fishing method. (5 mks)  
 ii) Explain four physical factors that influenced development of fishing in Japan. (8 mks)  
 d) State four problems facing marine fishing in Kenya. (4 mks)

**GOLDLITE ONLINE EDUCATIONAL SERVICES**  
**Kenya Certificate of Secondary Education**  
**KCSE REPLICA SERIES EXAMS**

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**REPLICA 5**

**312/2**

**GEOGRAPHY**

**PAPER 2**

**Instructions to candidates**

- (a) Write your Name and Index Number in the spaces provided above,
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  - (c) Answer aU the questions in Section A.
  - (d) Answer question 6 and any other two questions from Section B.
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- (f) Indicate the question you have chosen to do in section B in the table below

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Section	Question	Maximum score	Candidate's score
A	1-5	25	
B	6	25	
		25	
		25	
TOTAL SCORE			

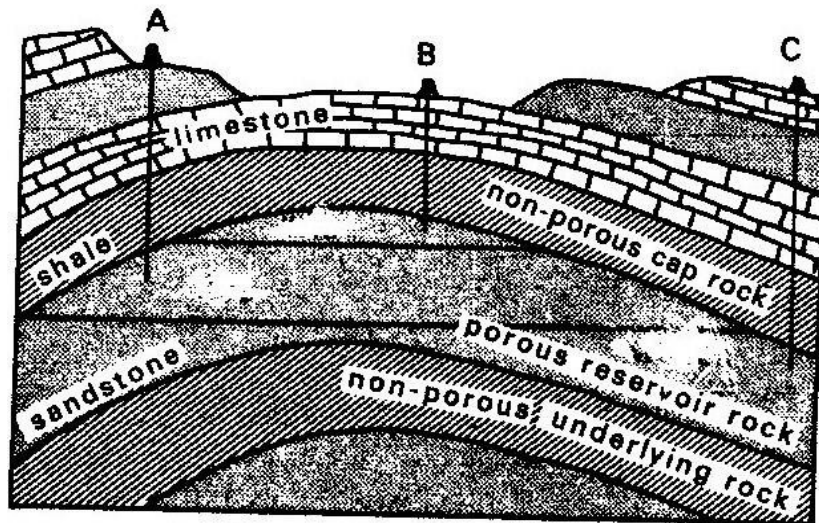
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**FOR MORE PAPERS FOR ALL SUBJECTS AND MARKING SCHEMES**

### SECTION A:

Answer all the questions in this section.

1. a) Name two polders in the Zuyder Zee project (2 marks)  
b) State **three** ways in which the Zuyder Zee project contributed to Horticulture farming in the Netherlands. (3 marks)
2. a) Name **two** types of environments (2 marks)  
b) State **three** consequences of environmental degradation (3 marks)
3. a) List **two** major exports of Kenya to the middle East countries (2 marks)  
b) State **three** advantages of shopping in supermarkets (3 marks)
4. a) What is urbanization? (2 marks)  
b) State **three** factors which have led to the development of Mombasa into a major sea port in the world. (3marks)
5. The diagram below shows an anticlinal mode of oil occurrence.



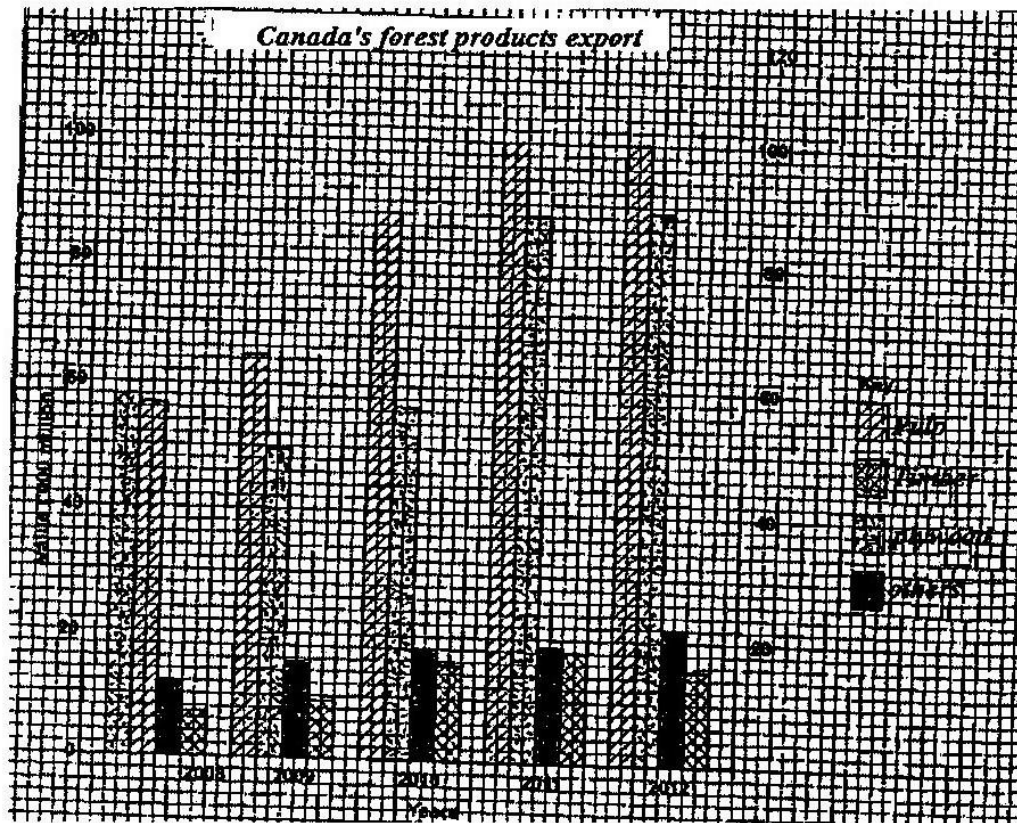
- a) Name the minerals that wells A, B and C will extract during drilling for oil. (3 marks)
- b) Give the full meaning of the term OPEC (2 marks)

### SECTION B

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

6. The statistical diagram below represents export of forest products by Canada between 2008 - 2012



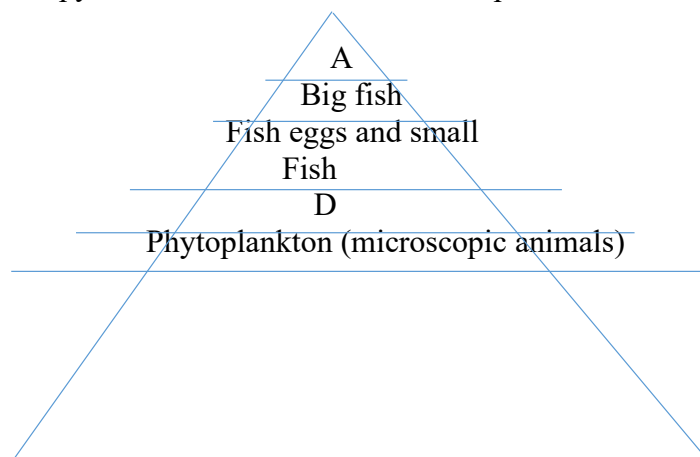


- a)
    - i. Identify the **type** of statistical method shown above (1 marks)
    - ii. State the **steps** you would follow to construct the statistical diagram above (4 marks)
    - iii. Describe the trend of export of pulp products between 2008 to 2012 (3 marks)
  - b)
    - i. What is agroforestry? (2 marks)
    - ii. Give **three** Ecological reasons why it is important to manage and conserve forests. (3 marks)
    - iii. Explain **three** differences between natural and exotic forests in Kenya (6 marks)
  - c) Explain **three** reasons why Canada exports more softwood forest products than Kenya. (6 marks)
7. a) i) Define the term pastoralism (2 marks)
- ii) State **five** characteristics of Nomadic pastoralism as practiced in the semi-arid regions of Kenya (5 marks)
- b) i) Give **three** factors that favour pastoral farming in Kenya (3 marks)
- ii) Explain **three** ways in which the Kenya Government assists nomadic pastoralists improve the quality of their livestock (6 marks)
- c) i) What is dairy farming? (2 marks)
- ii) Name **three** dairy products (3 marks)
- iii) State **four** ways in which the dairy cooperatives in Denmark help the farmers (4 marks)
8. a) i) Draw a map of Kenya (1 mark)
- ii) On the map you have drawn mark and name the following
- Maasai mara game reserve (1 mark)
  - Nairobi National park (1 mark)
  - Tsavo East National park (1 mark)
- iii) State four conservation measures under taken by the Kenyan government to control poaching/illegal hunting of wildlife in game parks/ reserves (4 marks)

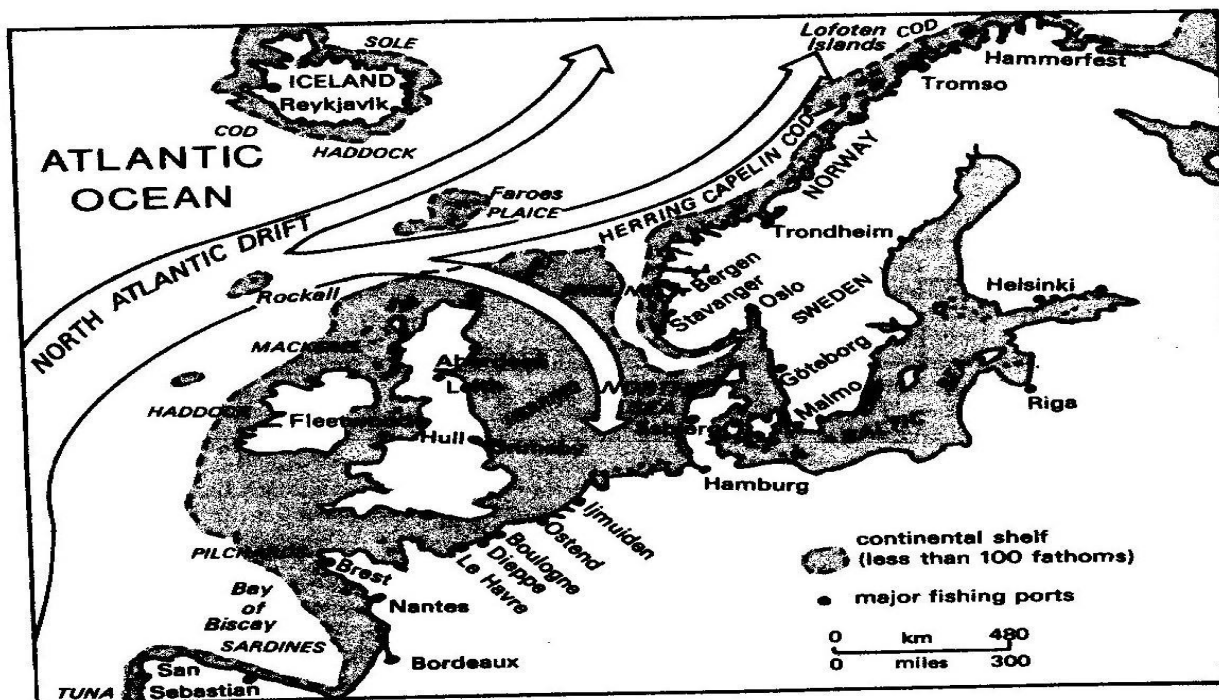
b) The table below shows the number of foreign tourists who visited Africa between 1980 and 2000

REGION	No. OF TOURISTS IN THOUSANDS		
	1980	1990	2000
Central Africa	590	400	100
Western Africa	1000	1000	2400
Eastern Africa	1200	900	2500
Southern Africa	1500	2800	4000
Northern Africa	3000	3900	7000
TOTAL	7290	9000	16000

- i) Calculate the percentage decrease in the number of foreign tourists who visited Eastern Africa between 1980 and 1990 (2 marks)
- ii) State **three** possible causes of the decline in foreign tourists who visited Eastern Africa between 1980 and 1990 (3 marks)
- iii) Explain **three** Physical factors favouring tourism in Kenya (6 marks)
- c) i) State **two** environmental hazards that hinder development of tourism in Kenya (2 marks)
- ii) Explain **two** ways in which political neutrality has promoted tourism in Switzerland (4 marks)
9. a) i) Define the term fish farming (2 marks)
- ii) Below is a food pyramid of marine life. Name the parts **A** and **B** (2 marks)



- iii) Name **three** traditional methods of preserving fish. (3 marks)
- b) Use the map of North-East Atlantic fishing grounds below to answer question 9b.

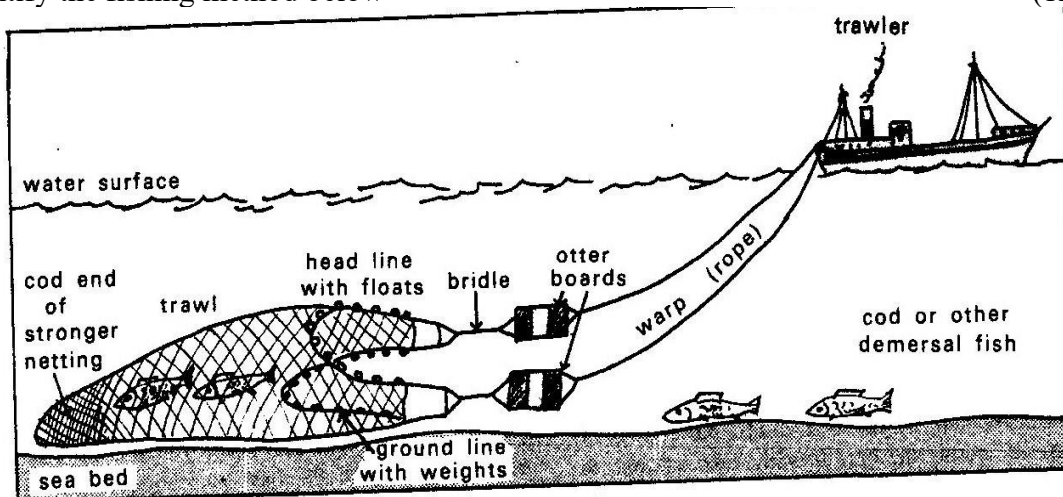


b(i) Explain how the warm North Atlantic drift promotes fishing in the fishing grounds above. (2marks)

(ii) Other than the warm North Atlantic drift, state **three** physical factors observed from the map that promote fishing in the fishing grounds (3marks)

(iii) Name the **two** leading fishing countries in the fishing region (2marks)

c) (i) Identify the fishing method below (1mark)



(ii) Describe how the identified fishing method is carried out (5 marks)

(iii) The number of fish stock and species are fast reducing in Lake Victoria. State **five** measures that the Kenya government may undertake to improve it. (5 marks)

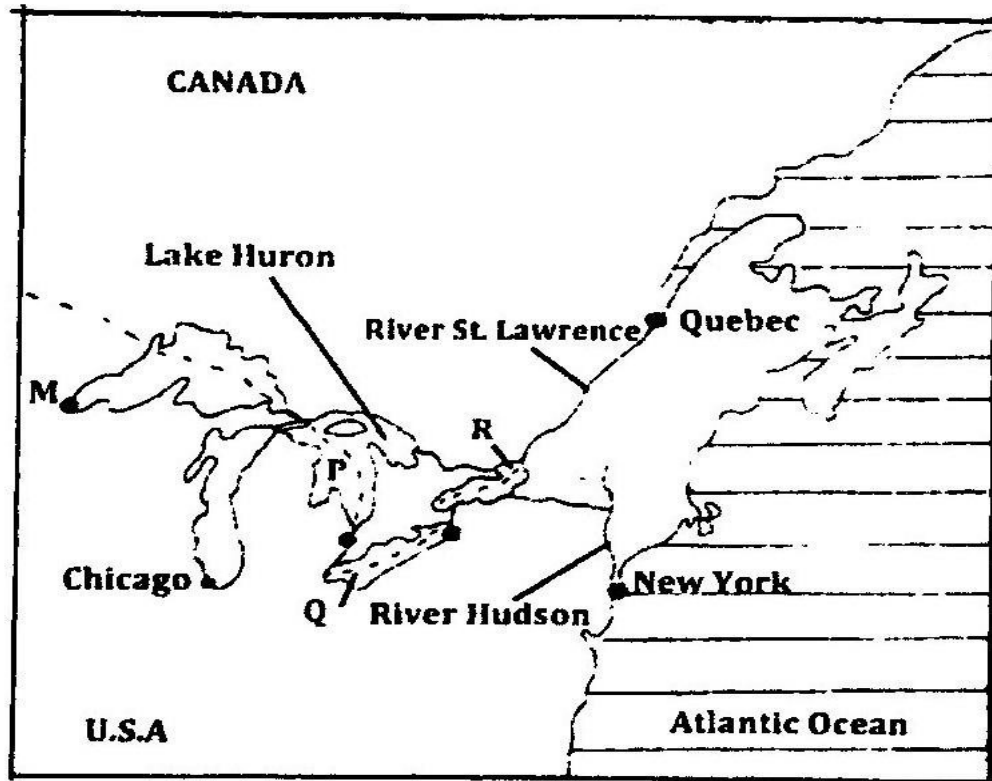
10. a)(i) What is transport? (2marks)

(ii) Name **two** towns in Kenya with modern water ports (2marks)

(iii) State **four** advantages of transporting goods between Nairobi to Mombasa using the standard gauge railway over Nairobi Mombasa Highway. (4marks)

(iv) Name the final destinations of the great North Road and Trans African Highways (2marks)

b) Study the sketch map of the great lakes and the St. Lawrence sea way. Use it to answer b (i) and b(ii).



(b) Name

(i) The port marked M

(1mark)

(ii) The Lakes marked Q and R

(2marks)

c.(i) Give how the following natural shortcomings found on the St. Lawrence Sea way were solved.

- Natural barriers like rapids and waterfalls

(2marks)

- Shallowness

(2marks)

- Difference in the level of the rivers and lake

(2marks)

(ii) Explain **three** ways in which the seaway contributed to the economies of Canada and the USA  
(6marks)

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## REPLICA 6

**312/2**

**GEOGRAPHY**

**PAPER 2**

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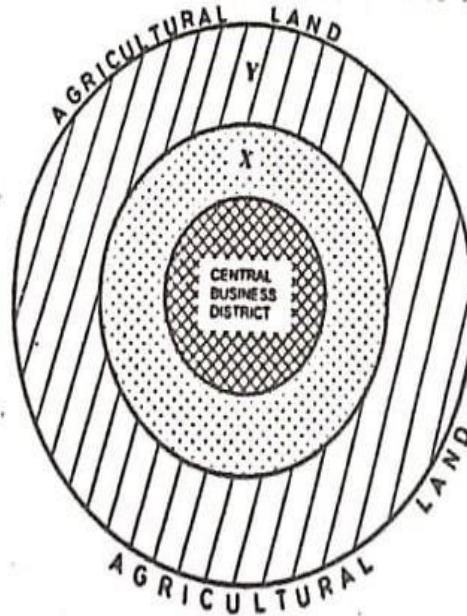
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A	1-5	25	
B	6	25	
		25	
		25	
TOTAL SCORE			

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**FOR MORE PAPERS FOR ALL SUBJECTS AND MARKING SCHEMES**

1. (a) Define economic geography (2 marks)
- (b) State **three** reasons why it is important to study human geography (3 marks)
2. (a) Name **two** towns where motor vehicle assembly plants are located in Kenya. (2 marks)
- (b) State **three** ways in which proximity to Nairobi has favoured development of Thika Town. (3 marks)
3. The diagram below represents the functional zones of an urban center. ....



- (a) Name the zones marked **X** and **Y**. (2 marks)
- (b) Give **three** functions of the Central Business District. (3 marks)
4. (a) Name **two** forest reserves found in the coastal region of Kenya. (2 marks)
- (b) State **three** physical factors that favour the growth of natural forests in the coastal region of Kenya. (3 marks)
5. (a) Differentiate between emigration and immigration. (2 marks)
- (b) State **three** causes of urban to rural migration (3 marks)

### SECTION B

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

6. (a) The table below passenger traffic that used different modes of transport between Mombasa and Nairobi for the year 2017 to 2020.

MODE OF TRANSPORT	2017	2018	2019	2020
SGR	700,000	1,500,000	1,600,000	1,700,000
BUSES	1,500,000	1,200,000	900,000	800,800
AIR	578,700	686,800	787,500	486,500

- (i) Using a scale of 1cm rep 200,000 people, draw a comparative bar graph to represent data in the table above. (8 marks)
- (ii) State **two** disadvantages of using a comparative bar graph to represent the above data. (2 marks)
- b) Give **four** reasons why there is limited use of river transport in Africa. (4 marks)
- c) Identify any **three** activities involved in the development of St. Lawrence Seaway project. (3 marks)
- d) State **four** benefits of the Standard Gauge Railway to the economy of Kenya. (4 marks)
- e) Explain how the following factors have negatively affected development of transport and communication in Africa (2 marks)
  - Rugged Terrain

- Civil wars (2 marks)

7. (a) (i) Define the term Fisheries. (2 marks)

(ii) Give **four** measures the Government has taken to conserve fresh water fisheries in Kenya.

(4 marks)

b) (i) Explain ways in which each of the following factors affect fishing in Kenya;

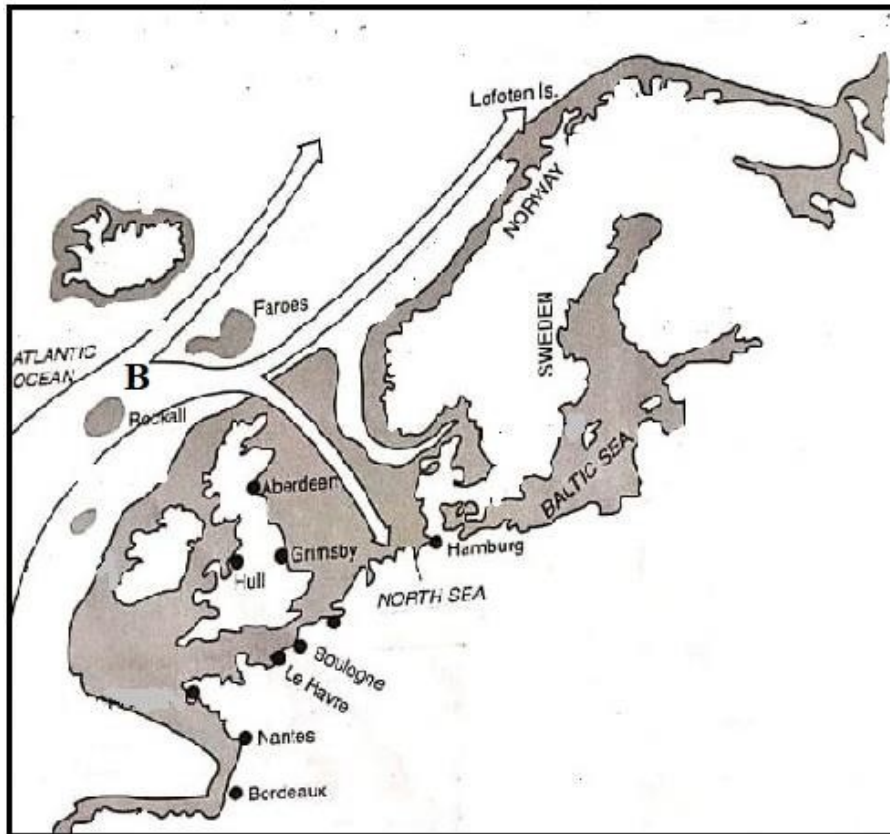
- Technology (2 marks)

- Fish eating culture (2 marks)

(ii) Describe how trawling method is used in catching Fish

(4 marks)

c) Study the Map below and use it to answer question 7 (c) (i) to (iii)



(i) Give **two** fish species caught in the above fishing ground (2 marks)

(ii) Name the ocean current marked **B** (1 mark)

(iii) Explain how the above ocean current influences fishing in the above fishing ground (2 marks)

d) Explain the significance of fishing in Japan. (6 marks)

8. (a) (i) Define the term balance of trade. (2 marks)

(ii) Name **two** major imports to Kenya from European Union (2 marks)

b) State **four** factors that inhibit trade between Kenya and her neighbours. (4 marks)

c) Explain how the following factors influence trade in Kenya.

- Security (2 marks)

- Transport (2 marks)

d) (i) Name **two** member states of ECOWAS. (2 marks)

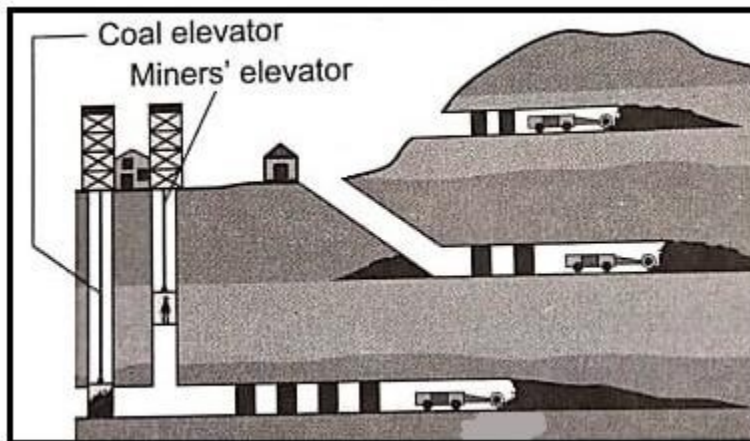
(ii) Give **three** roles played by SADC in the economies of her member states (3 marks)

(iii) Explain the measures the government of Kenya has taken to reduce her unfavourable balance of trade. (8 marks)



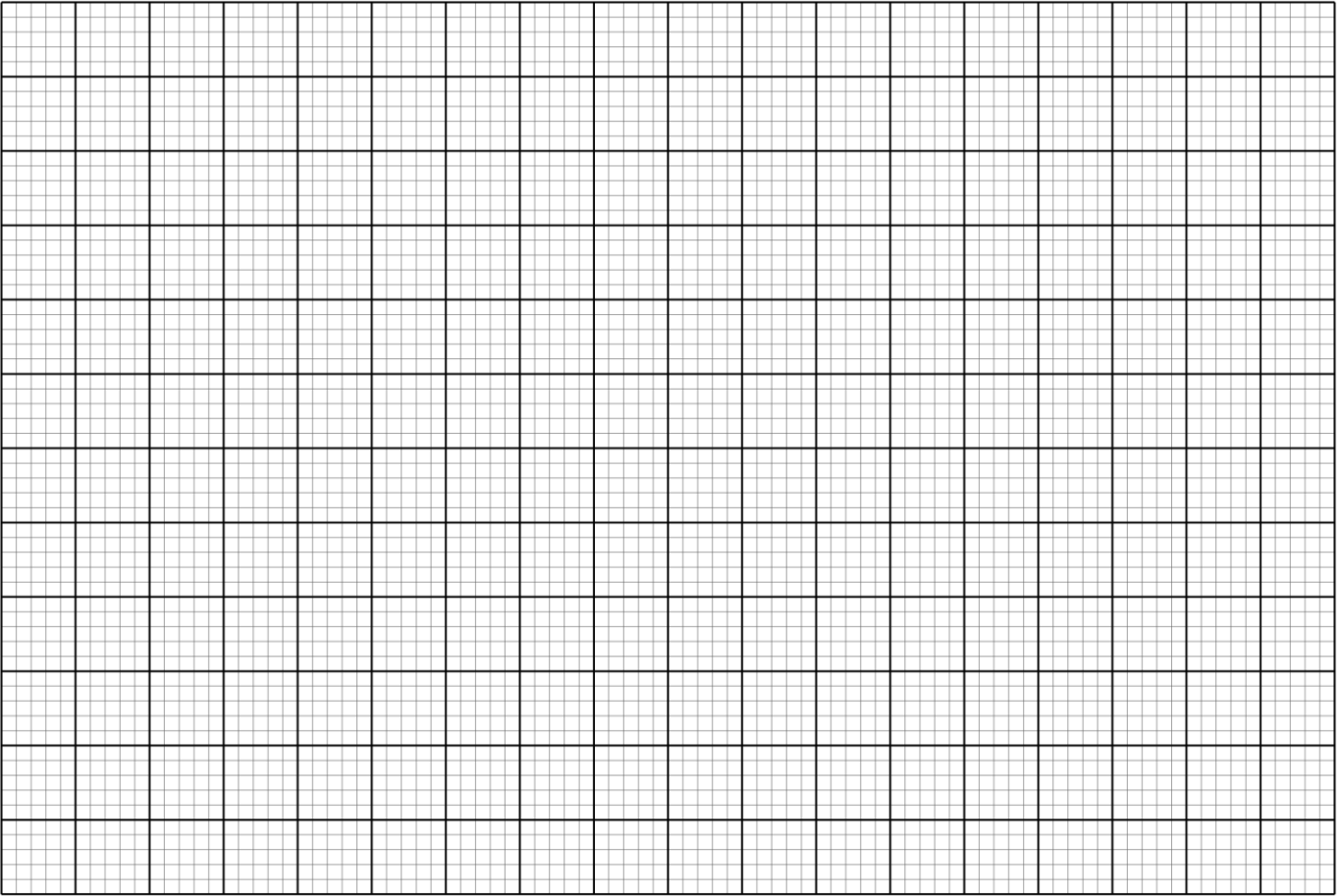
9. (a) (i) Differentiate between domestic dairy farming and commercial dairy farming. (2 marks)  
 (ii) Name **two** breeds of dairy cattle reared in Kenya. (2 marks)  
 b) (i) Give **four** characteristics of dairy cattle breeds reared in Kenya. (4 marks)  
 (ii) Name **three** counties where dairy farming is practiced in large scale in Kenya. (3 marks)  
 (iii) State **three** physical factors favouring dairy farming in Kenya (3 marks)  
 c) Give reasons why Kenya's dairy sector fails to meet its domestic demand. (5 marks)  
 d) State **three** differences between dairy farming in Kenya and Denmark. (6 marks)

10. a) Give **three** ways in which minerals occur. (3 marks)  
 b) Explain **three** factors that influence the mining of trona in Lake Magadi (6 marks)  
 c) Study the diagram below and use it to answer question c (i) and (ii)



- (i) Identify the mining method shown on the diagram above (1 mark)  
 (ii) Describe how the method is used to extract minerals (5 marks)  
 (d) Explain **three** effects of mining on the environment (6 marks)  
 (e) Maranda high school students carried out a field study on the processing of trona on Lake Magadi.  
 (i) Identify **two** methods they will use in recording data (2 marks)  
 (ii) Give **two** follow up activities they may have carried out (2 marks)





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**REPLICA 7**

**312/2**

**GEOGRAPHY**

**PAPER 2**

**Instructions to candidates**

- (a) Write your Name and Index Number in the spaces provided above,
- (b) This paper consists of two Sections; A and B.
- (c) Answer **aU** the questions in Section A.
- (d) Answer question 6 and any other two questions from Section B.
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A	1-5	25	
B	6	25	
		25	
		25	
TOTAL SCORE			

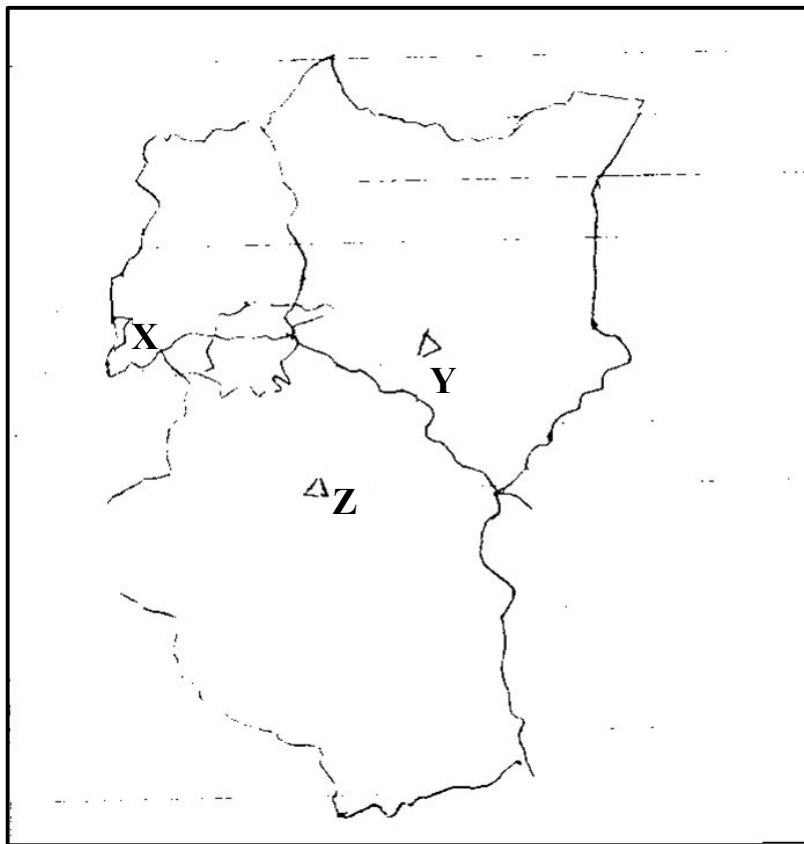
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**FOR MORE PAPERS FOR ALL SUBJECTS AND MARKING SCHEMES**

## SECTION A

*Answer ALL questions in this section*

1. a) Name **two** products from beef farms in Argentina. (2 marks)  
b) Identify **three** functional zones of an urban centre. (3 marks)
2. a) Name **two** types of wheat grown in Canada. (2 marks)  
b) Give **three** reasons why Canadian prairies are important wheat producing areas. (3 marks)
3. a) What is a multi-purpose project? (2 marks)  
b) Name **three** benefits of the seven folk's scheme. (3 marks)
4. a) Give **two** tourists attraction found in the Kenya's inland. (2 marks)  
b) Suggest **three** reasons why Kenyans should be encouraged to use biomass energy. (3 marks)
5. Study the map of East Africa below and answer the questions that follow.



- a) Name the minerals mined at places marked Y, X and Z. (3 marks)
- b) State **two** problems facing mining industry in East Africa. (2 marks)

## SECTION B

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

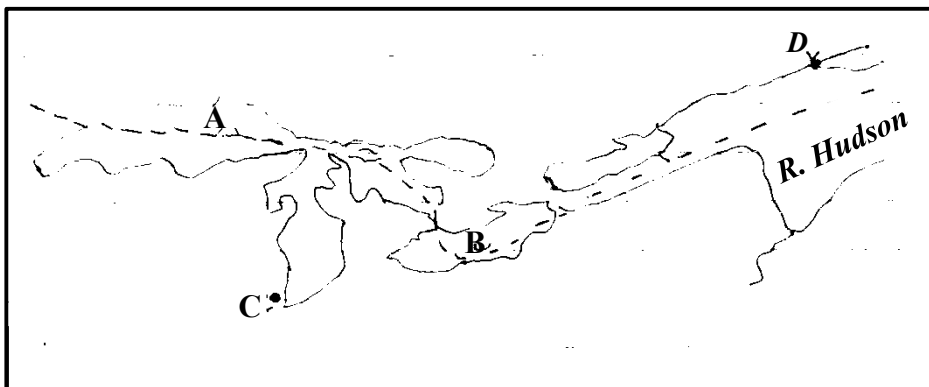
6. a) The table below shows the production of various horticultural crops in Kenya between 2008 and 2010 in 000's tonnes

Crop	2008	2009	2010
Cabbages	380	340	320
Tomatoes	340	360	360
Onions	360	320	340
Oranges	400	380	380

- i) Using a scale of 1cm to represent 50,000 tonnes, draw a comparative bar graph to present the data above. (6 marks)
- ii) Name the crop that has the highest production within the period. (1 mark)
- b) State **four** factors that favour the growth of cocoa in Ghana. (4 marks)
- c) Outline the stages involved in processing of cocoa from harvesting to the time it is ready for export. (8 marks)
- d) Explain **three** importance of cocoa to the economy of Ghana. (6 marks)
- 7 a) What is water transport? (2 marks)
- b) Give **three** reasons why Kenyan rivers are not suitable transport routes. (3 marks)
- c) State **three** merits of using containerization as a means of transport. (3 marks)

Below is a sketch map of the Great Lake and the St. Lawrence Seaway.

Use it to answer question (d) and (e).



- d) i) Name the lakes marked A and B. (2 marks)
- ii) The parts marked C and D. (2 marks)
- e) Explain **three** benefits of St. Lawrence Seaway and the economy of the USA. (6 marks)
- f) Name **two** towns in Kenya which are served by the Kenya pipeline. (2 marks)
- g) State the role of transport and communication in Africa. (5 marks)

8. a) Name **three** species of hardwood grown in Kenya. (3 marks)
- b) State **five** factors that favour the development of softwood in Kenya. (5 marks)
- c) State **five** factors that determine the location of pulp and paper industry. (5 marks)
- d) Explain **three** reasons why there has been decline in the areas under forest on the slopes of Mt. Kenya. (6 marks)
- e) Explain **three** measures which the Kenyan government has taken to manage the existing forests and their resources. (6 marks)
9. a) Define the following terms as used in trade.
- i) Quota (2 marks)
- ii) Balance of payment (2 marks)
- b) Explain **four** factors that inhibit trade between Kenya and her neighbours. (8 marks)
- c) State **five** problems developing countries face in international trade. (5 marks)
- d) Explain **four** measures Kenya has taken to reduce her unfavourable balance of trade. (8 marks)
- 10 a) Name **two** agricultural non-food processing industries in Kenya. (2 marks)
- b) Explain how the following factors influence the location and development of industries.
- i) Availability of raw materials (2 marks)
- ii) Labour (2 marks)
- iii) Government policy (2 marks)
- c) State **four** measures that a government may take to attract industries to an area. (4 marks)
- d) Outline any four significances of cottage industries in India. (4 marks)
- e) Form IV students of Mwitika Secondary School intends to carry out a field study on an industry in the local environment.
- i) How will they prepare for the study? (2 marks)
- ii) Give three reasons why it would be necessary to carry out a pre-visit. (3 marks)
- iii) State four methods they would use to present their data. (4 marks)

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**REPLICA 8**

**312/2**

**GEOGRAPHY**

**PAPER 2**

**Instructions to candidates**

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- (c) Answer aU the questions in Section A.
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		25	
		25	
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**FOR MORE PAPERS FOR ALL SUBJECTS AND MARKING SCHEMES**

**SECTION A**  
*(Answer all questions in this section)*

1. (a) What is horticulture? (2mks)
- (b) State three advantages of using green house in horticulture farming (3mks)
2. (a) Name two minerals mined in South Africa (2mks)
- (b) Give three problems facing mining industry in South Africa (3mks)
- 3.a) State **any two** problems facing wildlife conservation (2mks)
- b) Give any **three** historical sites at the Kenyan coast that are tourist attractions (3mks)
4. (a) State three factors necessary for a land to be reclaimed (3mks)
- (b) Give three uses of polder land in Netherlands (3mks)
5. Give four ways in which Kenya will benefit as a result of oil discovery and exploration in Turkana County (4mks)

**SECTION B**  
**(Answer Question 6 and ANY OTHER TWO)**

6. World Wheat production by region.

Region	% of Wheat Production
Asia	35
Europe	22
North America	19
USSR	16
Others	8

- a) Draw a Pie Chart to illustrate the information given above. (5mks)
- b) Name
- i) **Two** districts in Kenya where wheat is grown on Commercial Scale. (2mks)
- ii) **Two** Wheat producing provinces of Canada. (2mks)
- c) Explain **three** conditions that favour Wheat farming in Kenya. (6mks)
- d). Explain **five** factors which enable Canada to produce more Wheat than Kenya. (10mks)
- 7.(a) i) Define the term deforestation. (2mks)
- (ii) State the causes of deforestation? (4mks)

- (b) Outline the stages involved in the extraction of timber from natural forests. (4mks)
- (c) Explain **four** characteristics of the tropical rain forest. (8mks)
- (d) Describe the ecological uses of forests. (7mks)
- 8.(a) Name **four** ways in which minerals occur. (4mks)
- (b) State the factors affecting exploitation of minerals. (5mks)
- (c) i) Name **one** area where gold is mined in South Africa. (1mk)
- (ii) Describe methods of mining gold in South Africa. (5mks)
- (d) i) What are the problems of mining in South Africa? (5mks)
- (ii) In what ways had gold contributed to the economic growth of South Africa. (5mks)
9. (a) i) Define the term Nomadic Pastoralism. (2mks)
- (ii) Name **two** Nomadic Pastoralists Communities in Africa. (2mks)
- (b) Give **five** factors that have favoured the development of beef farming in Argentina. (5mks)
- (c) State **six** problems that face Nomadic Pastoralists in Africa. (6mks)
- (d) Explain **five** changes that are taking place to improve Nomadic Pastoral area in Kenya. (10mks)
10. (a) Define the term fisheries. (1mk)
- (b) (i) State **three** human conditions necessary for fishing. (3mks)
- (ii) Name **two** examples of anadromous fish. (2mks)
- (c) Explain how the line-fish method of fishing is used. (4mks)
- (d) (i) Explain the reasons why the North East Atlantic is extensive and highly developed. (10mks)
- (ii) State the problems facing fishing in Marine fishing in Kenya. (5mks)



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**REPLICA 9**

**312/2**

**GEOGRAPHY**

**PAPER 2**

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TOTAL SCORE			

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**FOR MORE PAPERS FOR ALL SUBJECTS AND MARKING SCHEMES**

### **SECTION A: ANSWER ALL QUESTIONS**

1. a) Name two types of dairy cattle in Denmark. (2mks)  
b) Give two characteristics of dairy farming in Denmark. (2mks)
2. (a) Differentiate between horticulture and market gardening. (2mks)  
(b) Mention **three** factors that have supported the horticultural industry in Kenya. (3mks)
3. a) Name **two** minerals mined using alluvial method. (2mks)  
b) Explain **two** negative effects of mining on the environment. (4mks)
4. (a) Apart from drought name other three environmental hazards experienced In Kenya. (3mks)  
(b) State two causes of the flooding. (2mks)
5. (a) Distinguish between **population distribution** and **population density**. (2mks)  
(b) State any **three** problems associated with high population growth rate in Kenya. (3mks)

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

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.			
	2006	2007	2008	2009
Road	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

*Source: Hypothetical data.*

- a) i) Suggest one reason why water transport experienced a steady decline over the period. (2mks)  
ii) Calculate the percentage increase in the number of tourists between the years 2008 and 2009. (3mks)  
iii) Draw a compound bar graph to represent the data. (9mks)
- b) i) Explain any three roles played by transport in the economy of Kenya. (6mks)  
ii) Name one highway created in Africa to ease transport across the continent. (1mk)
- c) Form four students from Buchenya secondary school visited Kisumu Airport for a field study.

- i) Identify two methods they used to record their data. (2mks)
  - ii) Give two follow up activities they engaged in. (2mks)
7. (a) Differentiate between domestic and international tourism. (2mks)
- (b) Name **three** tourist attractions in each of the following areas in Kenya.
- (i) the coast (3mks)
  - (ii) inland (3mks)
- (c) (i) State **four** reasons why Switzerland gets more tourists than Kenya.
- (ii) Explain **three** problems associated with tourism in Kenya. (6mks)
- (d) A group of students carried out a field study in a game park.
- (i) State **two** advantages of using questionnaire as a method they used in collecting data. (2mks)
  - (ii) State **five** ways in which they prepared for the study. (5mks)
8. (a) (i) Define settlement. (2mks)
- (ii) Apart from the dispersed settlement, name two other types of settlements. (2mks)
- (b) Explain **three** factors that may lead to dispersed settlement in an area. (6mks)
- (c) Define the following terms;
- (i) Urbanization (1mk)
  - (ii) Entreport (1mk)
  - (iii) Explain **three** problems Mombasa experiences as it grows. (6mks)
- (d) You have been asked by your geography teacher to undertake a field study in the port town of Mombasa.
- (i) State **two** objectives of your study. (2mks)
  - (ii) State **five** functions of Mombasa as a port city you are likely to find out. (5mks)
9. (a) (i) Define the term trade. (1mk)
- (ii) Name two levels of external trade. (2mks)
- (b) (i) Differentiate between invisible exports and visible exports. (2mks)
- (ii) Name two leading export commodities from Kenya. (2mks)
- (c) Explain four measures Kenya may take to reduce the unfavourable balance of trade. (8mks)
- (d) (i) Name two regional trade blocks in Africa. (2mks)
- (ii) Explain four benefits of international trade to Kenya. (8mks)

10. a) Give **four** methods used by the government of Kenya to decentralize industries  
(4mks)
- b) Explain **four** factors that make the development of “Jua Kali” industry most  
suitable to the government of Kenya (8mks)
- c) Explain **four** factors that have slowed down industrialization in Kenya  
(8mks)
- d) State **five** factors that have made Japan a major car producer in the world  
(5mks)

**GOLDLITE ONLINE EDUCATIONAL SERVICES**  
**Kenya Certificate of Secondary Education**  
**KCSE REPLICASERIES EXAMS**

Name ..... Admission number .....

Candidate's Signature.....Date.....

**REPLICA 10**

**312/2**

**GEOGRAPHY**

**PAPER 2**

**Instructions to candidates**

- (a) Write your Name and Index Number in the spaces provided above,
- (b) This paper consists of two Sections; A and B.
- (c) Answer aU the questions in Section A.
- (d) Answer question 6 and any other two questions from Section B.
- (e) This paper consists of 8 printed pages. Candidates should check the question paper to ascertain that all the pages are printed as indicated and that no questions are missing.

(f) Indicate the question you have chosen to do in section B in the table below

**For Examiner's use only**

Section	Question	Maximum score	Candidate's score
A	1-5	25	
B	6	25	
		25	
		25	
TOTAL SCORE			

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**FOR MORE PAPERS FOR ALL SUBJECTS AND MARKING SCHEMES**

## **SECTION A**

*Answer all the questions in this section.*

1. (a) State any **three** physical factors that influenced the location of Owen Falls in Uganda.(3 mks)  
(b) Identify any **two** non-renewable sources of energy. (2mks)
2. (a) Define the term balance of trade. (2 mk)  
(b) Give **three** reasons why Kenya experiences unfavourable balance of trade. (3 mks)
3. (a) What is agroforestry. (2 mks)  
(b) State **three** reasons why agroforestry is encouraged in Kenya. (3 mks)
4. (a) Briefly explain the meaning of tourism. (2 mks)  
(b) State **three** reasons why domestic tourism is being encouraged in Kenya. (3 mks)
5. (a) Define arable farming. (2 mks)  
(b) Apart from tea, name other **three** crops grown on a large scale in the highlands east of the Rift Valley in Kenya. (3 mk)

## **SECTION B:**

*Answer question six and any other two questions.*

6. The table below shows four proportional crops produced in Kenya in the years 2000-2002. Use it to answer the questions that follow.

CROP	AMOUNT IN METRIC TONNES		
	2000	2001	2002
Wheat	70,000	130,000	120,000
Maize	200,000	370,000	400,000
Coffee	98,000	55,000	40,000
Tea	240,000	295,000	315,000

- (a) (i) Using a scale of 1 cm to represent 50,000 metric tonnes, draw a comparative bar graph based on the data above. (8 mks)  
(ii) State **two** advantages of using comparative bar graphs. (2 mks)  
(iii) Calculate the percentage increase in tea production between the years 2000 – 2002. (2 mks)
  - (b) State **four** reasons why cash crops are mainly grown in Kenyan highlands. (4 mks)
  - (c) (i) Describe how maize is grown in Kenya from cultivation to harvesting. (7 mks)  
(ii) Name the common pests that attack maize. (2 mks)
7. (a) (i) Define the term industrial inertia. (2 mks)

- (ii) State **four** reasons for decentralization of industries. (4 mks)
- (b) (i) Explain **four** factors which influenced the location of iron and steel industry in the Ruhr region of Germany in the 19<sup>th</sup> century. (8 mks)
- (ii) Name **three** industries found in the Ruhr region. (3 mks)
- (c) You intend to carry out a field study of a factory which manufactures goods for a local market as well as for export.
- (i) State the background information you would need for the study. (3 mks)
- (ii) Give **two** reasons why content analysis may not be suitable method of data collection during the field study. (2 mks)
- (iii) What information would you collect to enable you achieve the objectives of your study. (3 mks)
8. (a) (i) Define a canal. (2 mks)
- (ii) Name **two** canals found in Africa. (2 mks)
- (iii) State **four** advantages of human portorage. (4 mks)
- (b) (i) Outline the causes of decline in the use of letter writing as a means of communication in Kenya. (4 mks)
- (c) Explain **four** major efforts being made to solve the problems facing transport in Africa. (8 mks)
- (d) What are the disadvantages of containerization. (5 mks)
9. (a) Explain the factors that have contributed to the high population growth rate in Kenya. (6 mks)
- (b) Explain why a high rate of population growth in Kenya is likely to slow down economic development in the country. (6 mks)
- (c) (i) What is meant by overpopulation. (2 mks)
- (ii) Apart from rural-rural migration, state **three** other types of migration. (3 mks)
- (iii) Explain **four** causes of rural-rural migration in Kenya. (8 mks)
10. (a) Name **three** major minerals mined in Kenya. (3 mks)
- (b) (i) Describe the open cast method of mining. (4 mks)
- (ii) Explain how the following factors influence mining.
- Value of the minerals. (2 mks)
  - Mode of occurrence (2 mks)
  - World market prices (2 mks)
- (c) Explain **four** ways in which Kenya has benefited from mining trona on L. Magadi. (8 mks)
- (d) Give **four** by products obtained when crude oil is refined. (4 mks)