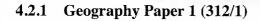
## **4.2 GEOGRAPHY** (312)

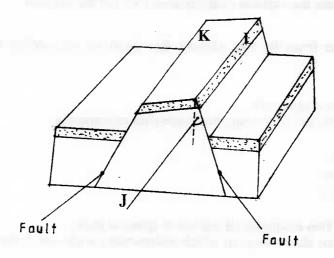




### **SECTION A**

Answer all the questions in this section.

1	(a)	What is the relationship between Geography and Mathematics?	(2 marks)
	(b)	State four reasons why it is important to study Geography.	(4 marks)
2	(a)	Name the <b>two</b> layers of discontinuity that are part of the interior structure of earth.	(2 marks)
	(b)	State <b>three</b> characteristics of the outer core in the interior structure of the eart	th. (3 marks)
3	(a)	Name two forms of precipitation that commonly occur in Kenya.	(2 marks)
	(b)	What is a Stevensons screen?	(2 marks)
4	(a)	Identify two causes of earth movement.	(2 marks)
		The diagram below shows some features formed as a result of faulting.	



(b) Identify the:		identity the:		
		(i) angle marked $J$ .	(1 mark)	
		(ii) features marked $\mathbf{K}$ and $\mathbf{L}$	(2 marks)	
5	(a)	Identify <b>two</b> sources of water found in a lake.	(2 marks)	
	(b)	Give three characteristics of lakes formed due to faulting.	(3 marks)	

# SECTION B

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

)	Study the map of Kitale 1:50,000 (sheet 75/3) provided and answer the following que			
	(a)	(i)	Identify the <b>two</b> human made features found at the grid square 2320.	(21)
		(ii)	What is the altitude of the highest point in the area covered by the ma	
		(iii)	Give three types of natural vegetation found in the area covered by the	(2 marks) te map. (3 marks)
	(b)	(i)	What is the bearing of the air photo principal point at grid square 342 the air photo principal point at grid square 2931?	6 from (2 marks)
		(ii)	Measure the distance of the dry weather road (C 640) from the junction at point $Mh(345142)$ to the junction at point $N(416201)$ . Give your a in Kilometres.	on nswer (2 marks)
	(c)	(i) (ii)	Using a scale of 1 cm to represent 40 metres, draw a cross section from reference 410180 to grid reference 500180.  On the cross-section, mark and name the following:	m grid (4 marks)
			• a dry weather road;	(1 mark)
			• River Kaptarit;	(1 mark)
			• a ridge.	(1 mark)
		(iii)	Calculate the vertical exaggeration (VE) of the section.	(2 marks)
	(d)		g evidence from the map, identify <b>five</b> social services offered in Kitale cipality.	(5 marks)
A	(a)	(i) (ii)	What is a mineral? Describe the following characteristics of minerals:	(2 marks)
			• lustre;	(2 marks)
			• colour;	(2 marks)
			• density.	(2 marks)
	(b)	(i) (ii)	Name <b>two</b> examples of extrusive igneous rocks.  Describe <b>three</b> ways in which sedimentary rocks are formed.	(2 marks) (9 marks)
	(c)	Explain the significance of rocks to the economy of Kenya under the following subheadings:		
		(i) (ii) (iii)	tourism; energy; water.	(2 marks) (2 marks) (2 marks)
8	(a)	Expla	ain the following processes of weathering:	
		(i) (ii) (iii)	hydration; oxidation; frost action.	(2 marks) (2 marks) (3 marks)

	(b)	Desc	cribe how an exfoliation dome is formed.	(6 marks)
	(c)	Expl due t	ain <b>three</b> physical factors that enhance movement of materials along a sto gravity.	slope (6 marks)
	(d)	(i) (ii)	Give <b>two</b> processes of rapid mass movement. State <b>four</b> indicators of occurrence of soil creep in an area.	(2 marks)
				(4 marks)
9	(a)	(i)	Outline two factors that influence the development of drainage patter	ns.
		(ii)	Outline five characteristics of a river in its youthful stage.	(2 marks) (5 marks)
	(b)	Describe the following processes of river erosion:		
		(i)	attrition;	(2
		(ii)	corrasion.	(2 marks) (4 marks)
	(c)	Expl	ain <b>three</b> negative effects of rivers to the human environment.	(6 marks)
	(d)	Your	class is planning to carry out a field study of a river in its old stage.	
		(i)	State three reasons why it would be necessary to pre-visit the area of	study.
		(ii)	State three activities you would carry out to determine why depositio	(3 marks)
		()	at this stage.	(3 marks)
10	(a)	(i)	Define the term soil.	(2 marks)
		(ii)	Give <b>two</b> factors that determine soil leaching.	(2 marks)
	(b)	Expla	ain how the following factors influence soil formation:	
		(i)	parent rock;	(4
		(ii)	biotic factors.	(4 marks) (4 marks)
	(c)	(i)	State three characteristics of desert soils.	(3 marks)
		(ii)	Give <b>two</b> economic uses of soils.	(2 marks)
	(d)	You are supposed to carry out a field study of an eroded area.		
		(i)	What information would you collect through observation that would	
			indicate that the area is severely eroded?	(2 marks)
		(ii) (iii)	Identify <b>three</b> methods you would use to record the observations. State <b>three</b> recommendations you would give to control soil erosion.	(3 marks)
				(3 marks)

## 4.2.2 Geography Paper 2 (312/2)

### **SECTION A**

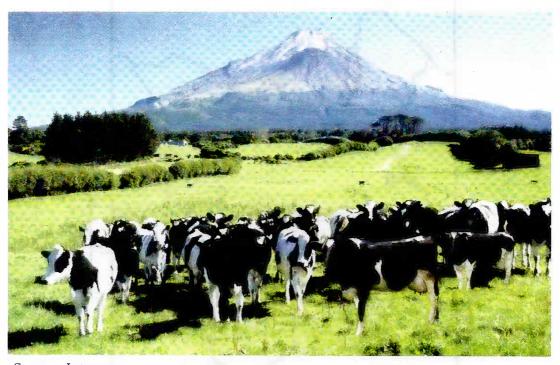
Answer all the questions in this section.

1	(a)	What is mining?	(2 marks)
	(b)	State four benefits of Soda Ash mining to the economy of Kenya.	(4 marks)
2	(a)	Name <b>two</b> methods used in deep sea fishing.	(2 marks)
	(b)	State <b>three</b> ways in which the government of Kenya is promoting the fishing industry.	(3 marks)
3	(a)	A part from the sun, name <b>three</b> other sources of electricity.	(3 marks)
	(b)	Give three advantages of using solar energy.	(3 marks)
4		hree reasons why it is necessary for the government of Kenya to carry out a al census.	(3 marks)
5	(a)	Identify two methods used to control tsetse flies in Kenya.	(2 marks)
	(b)	State <b>three</b> negative effects of uncollected garbage on the environment.	(3 marks)

#### SECTION B

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

6 Study the photograph below and answer question (a)



Source: Internet

- (a) (i) Identify the type of photograph shown above. (1 mark)
  - (ii) Draw a rectangle measuring 15 cm by 10 cm to represent the area covered by the photograph. (1 mark)
  - (iii) On the rectangle, sketch and label **four** main features shown on the photograph. (4 marks)
  - (iv) Using evidence from the photograph, identify **two** indicators that show that the area receives high rainfall. (2 marks)
- (b) (i) Name **three** exotic types of dairy cattle reared in Kenya. (3 marks)
  - (ii) Explain **three** human factors that favour dairy farming in the Kenya Highlands. (6 marks)
- (c) Explain **four** ways in which dairy farming in Kenya is different from dairy farming in Denmark. (8 marks)

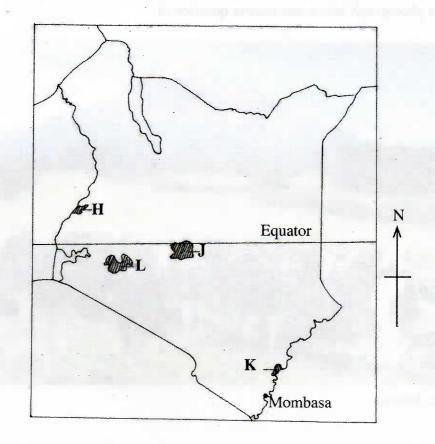
7 (a) (i) What is agro-forestry?

(2 marks)

(ii) Give **four** reasons why agro-forestry is encouraged in Kenya.

(4 marks)

(b) Use the map of Kenya below to answer questions b(i) and (ii).



(i) Name the forest resources marked **H**, **J** and **K**.

(3 marks)

- (ii) Explain **four** factors that favour the growth of natural forest in the area marked L. (8 marks)
- (c) Explain **four** problems facing forestry in Kenya.

(8 marks)

8 (a) (i) Name **two** provinces in Canada where wheat is grown on large scale.

(2 marks)

(ii) State three physical conditions that favour wheat farming in Canada.

(3 marks)

- (b) Compare wheat farming in Kenya and Canada under the following subheadings:
  - (i) research;

(2 marks)

(ii) government policy;

(2 marks)

(iii) transport.

(2 marks)

(c) Explain **four** problems that affect wheat farming in Canada.

(8 marks)

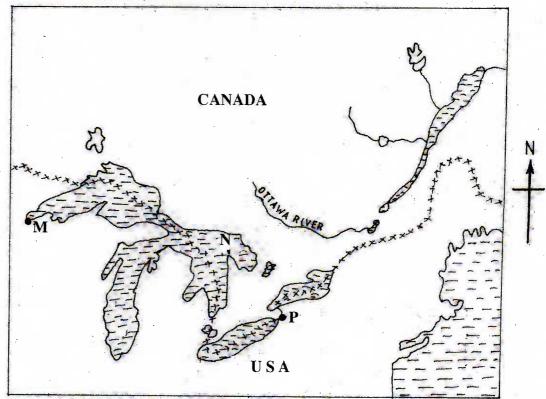
- (d) Your Geography class intends to carry out a field study on wheat harvesting in a farm.
  - (i) State **two** reasons for preparing a working schedule. (2 marks)
  - (ii) Outline two problems that face wheat harvesting you are likely to find out.

(2 marks)

- (iii) Suppose during field study you used interview method to collect data, state **two** limitations of the method. (2 mag)
  - (2 marks)
- 9 (a) (i) Identify the **three** types of inland waterways used for transport in Africa.

(3 marks)

- (ii) Give **four** reasons why the government of Kenya is expanding pipeline transport. (4 marks)
- (b) (i) State three advantages of railway transport. (3 marks)
  - (ii) State **four** conditions of roads in Kenya that may lead to motor vehicle accidents. (4 marks)
- (c) The sketch map below shows the Great Lakes and St. Lawrence seaway. Use it to answer question C.



#### KEY:

xxxxxx - International Boundary.

Name the:

(i) ports marked M and P.

(2 marks)

(ii) Lake marked **N**.

(1 mark)

Explain four benefits of the Great Lakes and St. Lawrence Seaway to the economies of U.S.A and Canada. (8 marks) 10 (a) (i) Name **two** settlement patterns. (2 marks) Explain four physical factors that influence settlement. (ii) (8 marks) (b) (i) Explain how the following factors have led to the growth of Thika. • Location; (2 marks) • Transport; (2 marks) • Land. (2 marks) (ii) Apart from being a transport and communication centre, give three other functions of Thika town. (3 marks) Explain three positive effects of urbanization to a country. (c) (6 marks)