

# LAIKIPIA EAST TERM 2 2022 FORM 4 EVALUATION EXAM

Kenya Certificate of Secondary Education – K.C.S.E

312/1

GEOGRAPHY

Paper 1

TIME: 2¾ Hours

Name: .....

Adm No: .....

Class:.....

Candidate's Signature:.....

Date: .....

### Instructions to candidates

(a) Write your name, admission number and class in the spaces provided above.

(b) This paper has **two** sections: **A** and **B**

(c) Answer **all** the questions in section **A**

(d) Answer **question 6** and any other **two** questions from section **B**

(e) This paper consists of **5** printed pages.

(f) Candidates should check the question paper to ascertain that all the pages are printed as indicated and that no questions are missing.

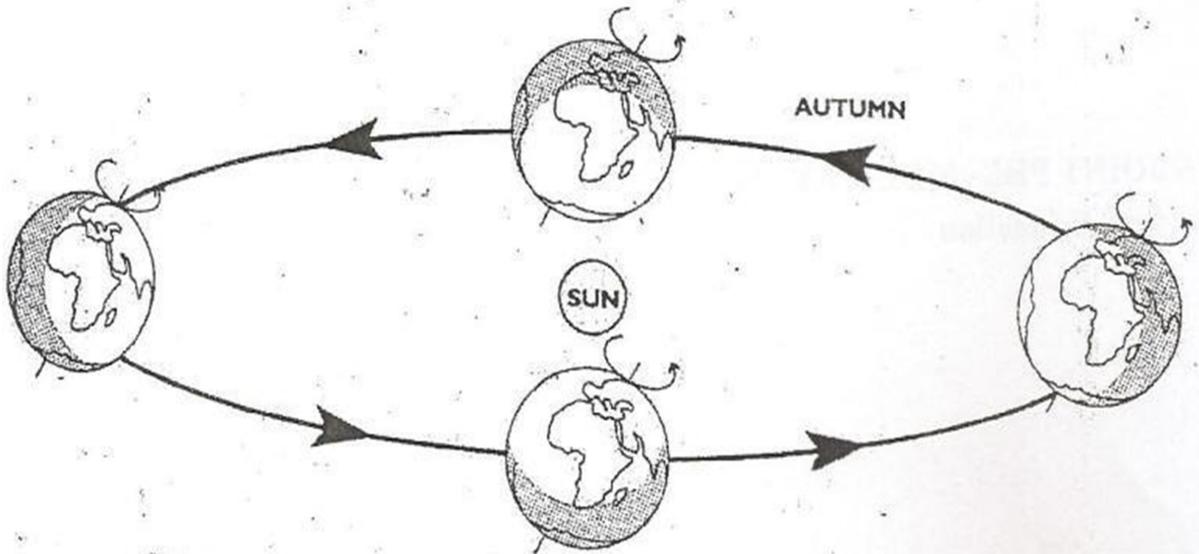
### For Examiner's Use Only

Section	Questions	Candidate's Score	Maximum Score
A	1 – 5		25
B	6		25
			25
			25
	<b>Total Score</b>		<b>100</b>

## SECTION A

Answer *all* the questions in this section.

- 1 (a) Name **two** types of environment. (2marks)  
(b) The diagram below shows a movement of the earth.



- (i) Identify the movement (1mark)  
(ii) State **two** effects of the above movement (2marks)
2. (a) State two effects of aridity and desertification (2marks)  
(b) Give three indicators of climate change. (3marks)
3. (a) Give **two** examples of features resulting from fissure eruption. (2marks)  
(b) With aid of a diagram, describe how a basic lava dome is formed. (3 marks)
4. a) Identify and name two types of chemical weathering. (2marks)  
b). Give three significance of weathering. (3marks)
5. (a) Differentiate between a soil profile and a soil catena. (2marks)  
(b) Give **three** ways in which soil is degenerated. (3marks)

**SECTION B**

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

6. Study the map of Nyeri 120/4 1:50000 and answer the following questions;

[a] [i] Give two Districts covered by the map extract. [2marks.]

[ii] Give the magnetic variation as at January 1975. [2marks]

[iii] Give the longitudinal extent of area covered by the map [2marks]

[b] i] Calculate the area of Nyeri Forest. [ 2marks]

ii] Identify two methods that have been used to represent relief [ 2marks]

[c] Describe the drainage of the area covered by the map [4marks]

[d] Citing evidence from the map, identify four economic activities carried out in the area covered by the map. [8marks]

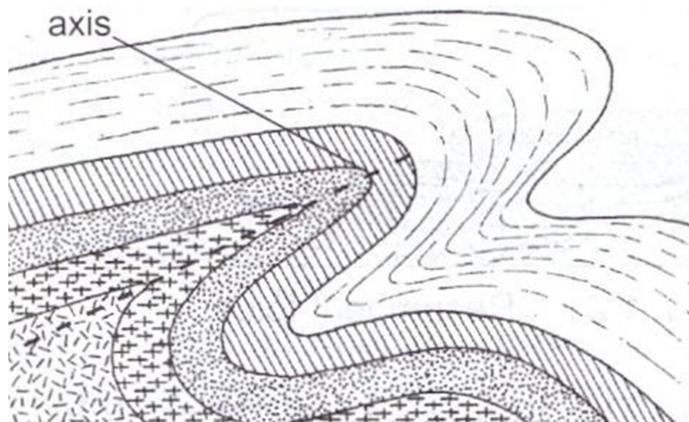
[e] State three functions of the area covered by the map. [3marks]

7. (a) (i) What is folding? [2marks]

(ii) Name **three** fold mountains formed during the Alpine Orogeny. [3 marks]

(b) State **four** characteristics of a folded landscape. [4marks]

(c) The diagram below shows a type of fold.



(i) Name the type of fold. [1mark]

(ii) Describe how the above type of fold is formed. [7marks]

(d) Explain **four** effects of Fold Mountains on human activities. (8marks)

8. (a) (i) What is vegetation? (2marks)  
(ii) Describe the variation of vegetation types along a mountain slope from the bottom to the top. (5marks)

(b) Explain **two** ways in which relief influences the distribution of vegetation. (4 marks)

(c) Study the world map below and answer the questions that follow:



(i) Name the vegetation types labeled **W**, **X** and **Y**. (3marks)

(ii) Explain **three** ways in which desert vegetation has adapted to the climatic conditions of the region it is found. (6marks)

(d) Students are planning to undertake a field study in a forest near their school. They are required to prepare a working schedule.

(i) What is a working schedule? (2marks)

(ii) Why is it important for the students to prepare a working schedule? (3marks)

(d) Give **two** factors which determine the size of a lake. (2marks)

9. (a) (i) Give **two** sources of mineral salts in Ocean water. (2marks)

(ii) Describe **three** processes involved in marine erosion. (6marks)

- (b) Using well labeled diagrams, describe how a stack is formed. (6marks)
- (c) Describe **three** ways in which Islands are formed. (6marks)
- (d) State **five** ways in which Kenya benefits from her coastal features. (5marks)

10. (a) What is a rock? (2marks)
- (b)
    - (i) Classify rocks according to their mode of formation. (3marks)
    - (ii) Identify **two** classes of rocks mentioned in (i) above that are formed from the already existing rocks. (2marks)
    - (iii) List **two** characteristics of rocks. (2marks)
  - (c)
    - (i) List **two** main types of rocks dominant in Kenya. (2marks)
    - (ii) Explain the importance of studying rocks. (6marks)
  - (d) Explain **four** benefits of rocks to the economy of a country. (8marks)