

Student Name.....Adm No.....

School.....Class.....Date.....

**GEOGRAPHY**

**PAPER ONE**

**312/1**

**JUNE-2022**

**TIME: 2 ¾ Hours**



**CEKENAS END OF TERM ONE EXAM-2022  
FORM FOUR**

*Kenya Certificate of Secondary Education. (K.C.S.E)*

**GEOGRAPHY PAPER ONE**

**TIME: 2 ¾ Hours**

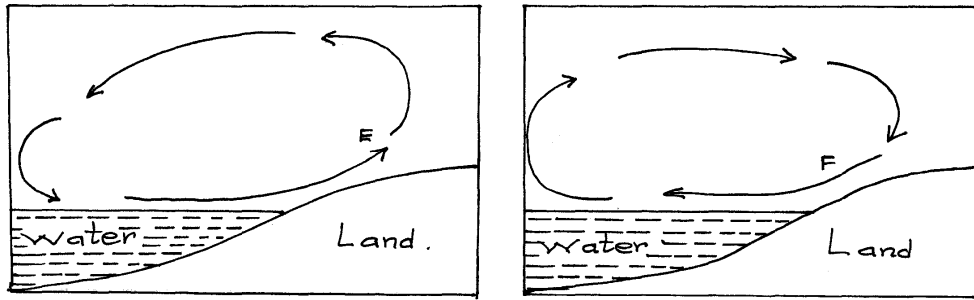
**INSTRUCTION**

- a.) Write your name and index number
- b.) Sign and write the date of examination in the space provided above
- c.) This paper consists of two section A and B
- d.) Answer all section in the section A
- e.) Answer question 6 and any other two questions from section B
- f.) Answers must be written in the spaces provided at the end of question 5
- g.) This paper consists of 8 pages
- h.) Candidates must check all the Questions to ascertain that all pages are printed as indicated and no question is missing***
- (i) Candidates should answer all questions in English***

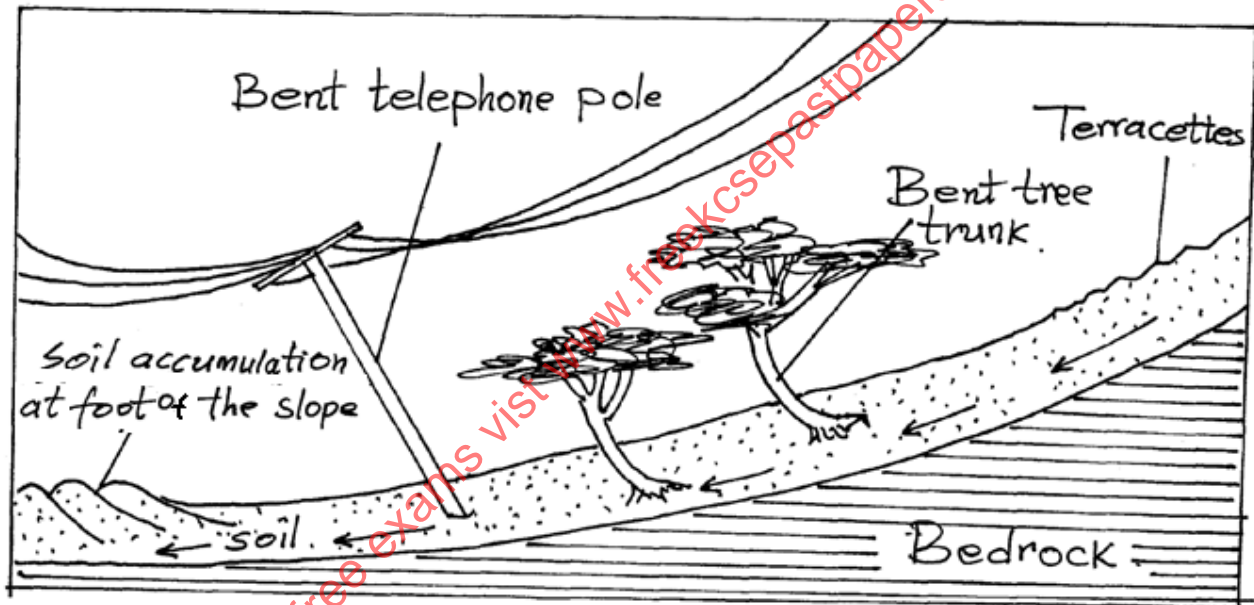
SECTION	QUESTION	MAXIMUM SCORE	CANDIDATE SCORE
A	1-5	25	
B	6	25	
		25	
		25	
		<b>TOTAL SCORE</b>	

**SECTION A**  
**ANSWER ALL QUESTIONS IN THIS SECTION**

1. a) Define the term Geography (2mks)
- b) What is the relationship between Geography and Biology (2mks)
2. a) Use the diagram below to answer the following questions



- i) Name the air currents marked E (1mk)
- ii.) Why is the air current marked F flow at night (3mks)
- b.) Give reason why air cools as it rises (2mks)
3. (a) Define folding (2mks)
- b.) List four types of folds (4mks)
- 4.) The diagram below illustrate a mass wasting process. Use it to answer question (a) and (b)



- a.) Identify the process (1mk)
- b.) Explain how the process occurs (3mks)
5. a.) What is a river profile (2mks)
- b.) Name the three stages of a river profile (3mks)

**SECTION B**  
**ANSWER QUESTION 6 AND OTHER TWO QUESTION FROM THIS SECTION**

6. a. i.) Give the latitudinal and the longitudinal position of the south west corner of the map extract (2mks)
- ii.) Calculate the magnetic declination of the map extract (2mks)
- b. i) Which adjoining sheet is to the S.E of the area covered by the map? (1mk)
- ii.) What is the general flow of river Chanya (2mks)
- iii.) Give three social function of Nyeri town (3mks)
- c.) Calculate the area of Nyeri Forest to the East of Easting 69 and North of Northing 56. (Give your answer in Kilometre squared(Km<sup>2</sup>)) (2mks)

- d.) Citing evidence from the map. Give
- i.) Two reasons why the area is covered by the map is suitable for coffee growing (4mks)
  - ii.) Two factor that favor saw milling in the area covered by the map (4mks)
- e.) Describe drainage of the area covered by the map (5marks)
7. a. i) Define the term rock (2mks)
- ii.) Give two way of classifying rocks (2mks)
- b) Describe the following characteristic of minerals (6mks)
- Lustre
  - Colour
  - Hardness
- ii.) Give the changes that occur on sedimentary rocks when subjected to intense heat and pressure (4mks)
- c. i) State the condition necessary for the growth of coral (3mks)
- ii.) Describe how coral rocks are formed (4mks)
- d.) You are planning to carry out a field study on rocks
- i.) List two methods of recording data you are likely to use (2mks)
  - ii.) Give two follow up activities of your study (2mks)
8. a.) What is Vulcanicity (2mks)
- b.) i) Apart from Sill name other intrusive Volcanic features (3mks)
- ii.) Describe how the following features are formed
- A sill (5mks)
  - Hotspring (5mks)
- iii) Differentiate between a lava and a magma (2mks)
- iv.) Explain four negative effects of vulcanicity (8mks)
- 9.) a.) i) What is the process through which wave transport the eroded materials along the coast (1mk)
- ii.) Give three factors that influence wave deposition (3mks)
- b. i.) Name two types of submerged coast (2mks)
- ii.) State three characteristic of emerged highland coast (3mks)
- c.) By the use of well labelled diagrams, describe the formation of a spit. (7mks)
- d.) Student from Moi secondary school were planning to conduct a field study on wave erosional features to areas along the coast.
- i.) Give three activities they will undertake while in the field (3mks)
  - ii.) Name three erosional features they are likely to identify (3mks)
  - iii.) Outline three problems they are likely to face while in the field (3mks)
10. (a) (i) Identify two processes in which ice erodes (2mks)
- ii.) Name four types of glacial moraine (4mks)
- b.) Give three ways in which ice moves (3mks)
- c.) i) Apart from Aretes, identify three other ice erosional features in highland areas (3mks)
- ii.) Describe how an Aretes is formed (5mks)
- d) Explain the significance of upland glaciated features to human activities (8mks)

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