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Candidate's signature: Date:

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THE KENYA NATIONAL EXAMINATIONS COUNCIL
Kenya Certificate of Secondary Education

PAPER 1**GEOGRAPHY****Nov. 2024 – 2¾ hours**

Candidate's signature: Date:

Instructions to Candidates

- (a) Confirm that this question paper has your name and the correct index number.
- (b) Sign and write the date of examination in the spaces provided above.
- (c) This paper consists of **two** sections; **A** and **B**.
- (d) Answer **all** the questions in section A.
- (e) In section **B**, answer **question 6** and any other **two** questions.
- (f) Answers **must** be written in the spaces provided at the end of question **10**.
- (g) This paper consists of 20 printed pages.**
- (h) Candidates should check the question paper to ascertain that all the pages are printed as indicated and that no questions are missing.**
- (i) Candidates should answer the questions in English.**

For Examiner's Use Only

Section	Question	Maximum Score	Candidate's Score
A	1 - 5	25	
B	6	25	
		25	
		25	
	Total Score	100	



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SECTION A (25 marks)

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

- 1 (a) What is *Geography*? (2 marks)
(b) Give three ways in which Geography is related to Mathematics. (3 marks)
- 2 State five factors that have led to the decline of natural grasslands in Kenya. (5 marks)
- 3 A Form 1 class visited a weather station. While there, one of the students asked for the importance of the Stevenson screen. Give **four** responses that the weather station personnel gave. (4 marks)
- 4 (a) Give the **two** types of ocean movements. (2 marks)
(b) State **four** causes of pollution in the Indian Ocean. (4 marks)
- 5 (a) Name **two** types of deserts by the nature of their surfaces. (2 marks)
(b) Give three features associated with inland drainage basins in arid areas. (3 marks)

SECTION B (75 marks)

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

- 6 Study the map of Tambach **1:50,000** (Sheet 90/3) provided and answer the following questions.
 - (a) (i) What is the bearing of Air Photo Principal point at grid square 0180 from the trigonometrical station 90S5 at grid square 0475. (2 marks)
(ii) Identify **two** physical features found in grid square 9581. (2 marks)
(iii) Calculate the area of the planted forest at Kapchemutwa. Give your answer in square kilometres. (2 marks)
(iv) Name three types of vegetation found in the area west of Easting 88. (3 marks)

- (b) Using a scale of 1 cm to represent 40 metres, draw a cross section from grid reference 830650 to 910650. (3 marks)

On it mark and name the following:

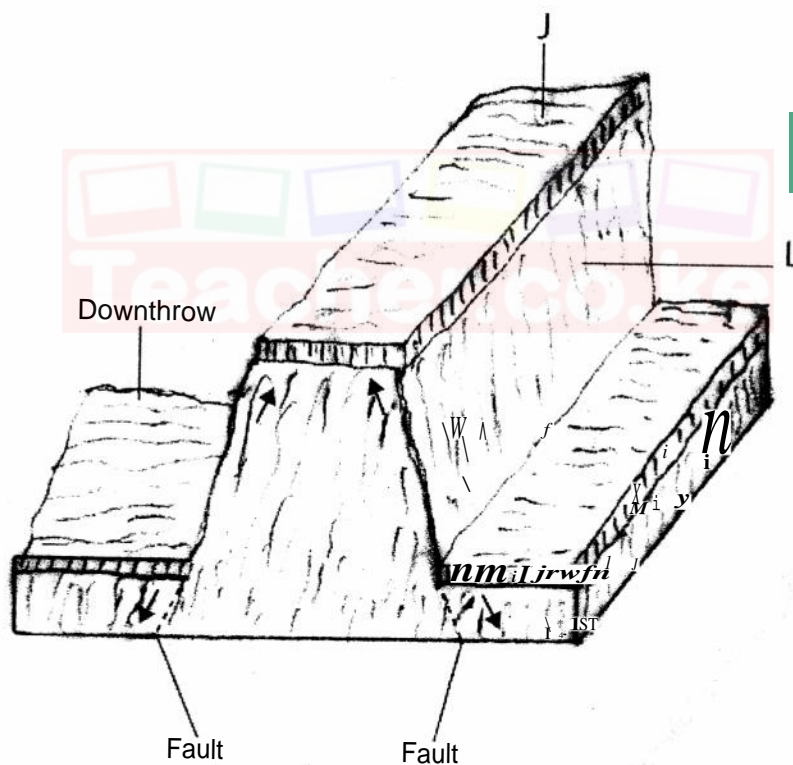
- (i) dry weather road; (1 mark)
- (ii) gentle slope; (1 mark)
- (iii) seasonal swamp; (1 mark)
- (iv) River Kerio. (1 mark)

- (c) Explain how relief has influenced the distribution of settlement in the area covered by the map. (6 marks)

- (d) Citing evidence from the map, give **three** economic activities carried out in the area covered by the map. (3 marks)

7

The diagram below represents features formed through faulting. Use it to answer question (a)(i) and (ii).



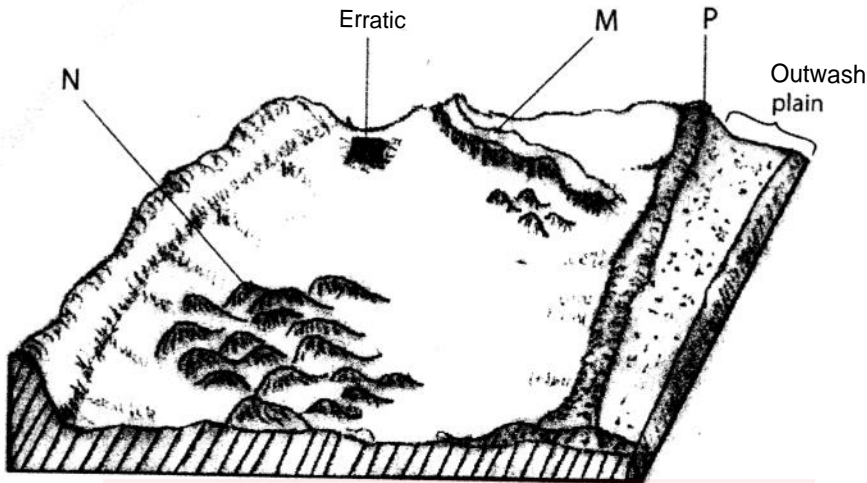
- (a) (i) Name the feature marked L. (1 mark)
- (ii) Describe how the feature marked J is formed. (5 marks)
- (b) (i) Give the **four** sections of the Great Rift Valley. (4 marks)
- (ii) Describe **three** physical characteristics of the Great Rift Valley. (3 marks)

- (c) (i) Apart from a parasitic cone, give five other volcanic features found in the Rift Valley. (5marks)
- (ii) With the aid of a well labelled diagram, describe how a parasitic cone is formed (7marks)
- 8 (a) (i) What is meant by the term *weathering*? (2marks)
- (ii) Explain **four** ways in which water influences weathering. (4marks)
- (b) Explain the significance of weathering on human activities. (6marks)
- (c) (i) Give **two** types of mudflows. (2marks)
- (ii) State **four** factors that influence the occurrence of mudflow. (4marks)
- (d) State **three** measures that would be taken to control the effects of landslides. (3marks)
- 9 (a) (i) Give **two** sources of rivers. (2marks)
- (ii) Describe each of the following river drainage patterns:
- (I) trellis; (3marks)
- (II) dendritic. (3marks)
- (b) (i) With the aid of a well labelled diagram, describe how a natural levee is formed
- (ii) State **four** characteristics of a river in the middle stage. (4marks)
- (c) You intend to carry out a field study on features found in the youthful stage of a river within the school vicinity.
- (i) State **four** ways in which you would prepare for the study. (4marks)
- (ii) Give **three** methods you would use to collect information during the study (3marks)

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- 10 (a) Outline how the process of plucking takes place. (4 marks)
- (b) Describe how a hanging valley is formed. (6 marks)
- (c) The diagram below represents features resulting from glacial deposition in a lowland area. Use it to answer question (c)(i) and (ii).



- (i) Name the features marked:
- (I) M (1 mark)
- (II) N (1 mark)
- (ii) Describe how the feature marked P is formed. (5 marks)
- (d) (i) What is meant by the term *ice sheet*? (2 marks)
- (ii) Explain **three** positive effects of features of glaciated uplands to human activities. (6 marks)

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