

THE ELITES JET



312/1

GEOGRAPHY PRE-MOCK

Paper 1

March 2025 – Time: 2¾ hours

Name Adm No.....Class.....

School..... Date.....Sign.....

Instructions to candidates

- Write your name, Admission number and class in the spaces provided above.
- Write your school, date of examination and sign in the spaces provided above.
- This paper consists of two sections; **A** and **B**.
- Answer **all** the questions in section **A**.
- Answer question **6** and any other **two** questions from section **B**.
- Answers must be written in the spaces provided at the end of question 10.
- This paper consists of **12** printed pages.
- Candidates should check the question paper to ascertain that all the pages are printed as indicated and that no questions are missing.
- 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			

SECTION A: (25 MARKS)*Answer all questions in this section.*

1. (a) Define ecosystem (2 marks)
- (b) Describe the planet mercury. (3 marks)
2. (a) How is the atmosphere heated? (1 mark)
- (b) Describe how a minimum thermometer works. (4 marks)
3. (a) What is a localith? (2 marks)
- (b) Name any **three** examples of lava plateaus found in Kenya. (3 marks)
4. (a) Differentiate soil creep from talus scree. (2 marks)
- (b) Give any **three** natural causes of soil creep. (3 marks)
5. Describe how Lake Teleki was formed. (5 marks)

SECTION B: (75 MARKS)*Answer question 6 (Compulsory) and any other 2 questions in this section.*

6. Use the map of Tambach sheet 90/3 to answer question 6.
 - (a) (i) Convert the map's linear scale to statement. (2 marks)
 - (ii) Measure the distance of approximate alignment around Lake.Kamnarok. Give your answer in meters. (2 marks)
 - (iii) Calculate the area of Kaptagat Forest. (2 marks)
 - (b) (i) Give **three** indicators which shows that the Western part of Tambach receive high rainfall. (3 marks)
 - (ii) Describe characteristics of the long profile of River.Kerio. (6 marks)
 - (c) A straight road is to be built from Tambach town to Muchukwo. State **four** problems that would be experiences during the construction. (4 marks)
 - (d) Citing evidence explain **three** factors which have led to growth of Kapchemutwa forest plantation. (6 marks)



7. (a) i) Identify any **three** parts of the earth structure which has solid rocks. (3 marks)
- ii) Name **two** ways how to determine the age of rocks. (2 marks)
- iii) Name **two** regions in Kenya which are dominated by granitic rocks. (2 marks)
- (b) Describe how the following types of rocks are formed.
- (i) Mechanically formed sedimentary rocks. (5 marks)
- (ii) Chemically formed sedimentary rocks. (5 marks)
- (c) With the aid of well labelled diagrams describe how intermountain basin is formed. (8 marks)
8. (a) (i) Name any **two** types of climate experienced in the Western part of Kenya. (2 marks)
- (ii) Explain how the following factors influence climate.
- Latitude (4 marks)
 - Aspect (4 marks)
- (b) Describe characteristics of equatorial climate. (6 marks)
- (c) You are planning to carry out a fieldwork in vegetation within your local environment.
- (i) Apart from identifying different type of plants, state **three** other activities you would carry out during field study. (3 marks)
- (ii) How would you identify different types of trees. (3 marks)
- (iii) State **two** ways in which the information collected during the field study would be useful to local community. (3 marks)

9. (a) (i) Define a coast. (2 marks)
- (ii) Explain how the following factors influence wave erosion.
- Nature of materials carried by the wave. (4 marks)
 - Orientation of the coast. (4 marks)
- (b) Describe how a wavecut platform is formed. (7 marks)
- (c) With aid of a well labelled diagram, describe how a barrier reef is formed. (8 marks)
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10. (a) (i) What is a Karst Scenery? (2 marks)
- (ii) Explain **three** factors which are necessary for formation of Karst Scenery. (6 marks)
- (b) Describe how the following features are formed;
- (i) Underground caves. (6 marks)
 - (ii) Sinkhole (5 marks)
- (c) Explain the significance of Karst landscape. (6 marks)















