



312/1 **GEOGRAPHY**

**FORM 4 PRE- MOCK**  
**March 2026**  
**Time: 2¾ hours**

**Paper 1**

Serial No.  
4992104

Name ..... Admission Number .....

School ..... Class .....

Candidate's Signature ..... Date .....

**Instructions to Candidates**

- (a) Write your name and admission number in the spaces provided above.
- (b) Write the name of your school and sign in the spaces provided above.
- (c) This paper consists of **three** sections: **A**, and **B**.
- (d) Answer all questions in section **A**.
- (e) Answers question **6** and any other **two** questions from section **B**.
- (f) Answers must be written in the spaces provided at the end of question 10.
- (g) **This paper consists of 16 printed pages.**
- (h) **Candidates should check the question paper to ascertain that all 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
<b>A</b>	<b>1-5</b>	<b>25</b>	
<b>B</b>	<b>6</b>	<b>25</b>	
		<b>25</b>	
		<b>25</b>	
<b>Total</b>		<b>100</b>	

**SECTION A: (25 marks)**

*Answer **all** questions in this section in the spaces provided after question 10.*

1. (a) Give three characteristics of Katabatic wind. **(3 marks)**  
(b) Apart from Katabatic wind, name two other local winds. **(2 marks)**
2. (a) What is the international date line? **(2 marks)**  
(b) State three effects of earth's rotation. **(3 marks)**
3. (a) Name two countries in Africa which experience Mediterranean climate. **(2 marks)**  
(b) State three characteristics of desert climate. **(3 marks)**
4. (a) Give three characteristics of a constructive waves. **(3 marks)**  
(b) Distinguish between a coastline and the shoreline. **(2 marks)**
5. (a) Define the term soil degeneration. **(2 marks)**  
(b) Give three causes of soil degeneration. **(3 marks)**

**SECTION B: (75 marks)**

*Answer question 6 and any other two questions in this section in the spaces provided after question 10.*

6. Study the map of Tambach sheet 90/3 (1:50000) provided and answer the questions that follow.
- (a) (i) Name two human features in grid square 7968. **(2 marks)**
- (ii) Measure the distance of River Kerio between grid reference 908570 and grid reference 898620. **(2 marks)**
- (iii) Give the longitudinal extent of the area covered by the map. **(2 marks)**
- (b) (i) Calculate the area of Kaptagat forest. Give your answer in square kilometres. **(2 marks)**
- (ii) Citing evidence from the map, state two social services offered in the area covered by the map. **(4 marks)**
- (iii) Name two districts in the area covered by the map. **(2 marks)**
- (c) Describe the drainage of the area covered by the map. **(5 marks)**
- (d) Citing evidence from the map, explain three physical factors which may favour cattle rearing in the area covered by the map. **(6 marks)**
7. (a) Differentiate between a drainage basin and a watershed. **(2 marks)**
- (b) Describe how rivers erode through the following processes:
- (i) Attrition **(2 marks)**
- (ii) Solution. **(2 marks)**
- (c) (i) List three factors that influence the development of drainage patterns. **(3 marks)**
- (ii) State four characteristics of a river in its youthful stage. **(4 marks)**
- (d) (i) State two main causes of river rejuvenation. **(2 marks)**
- (ii) Describe how an ox-bow lake is formed. **(5 marks)**
- (e) **Nyawara Girls School students conducted a field study on river capture.**
- (i) Identify three pieces of evidence of capture they are likely to have identified. **(3 marks)**
- (ii) Give two reasons why you are likely to rely on observation as a method of data collection. **(2 marks)**

8. (a) Differentiate between weathering and mass wasting. **(2 marks)**
- (b) State three factors which influence the character and rate of weathering. **(3 marks)**
- (c) Describe how the following weathering processes occur:
- (i) Exfoliation. **(5 marks)**
- (ii) Frost action. **(5 marks)**
- (d) (i) Define the term solifluction. **(2 marks)**
- (ii) State three effects of soil creep on physical environment. **(3 marks)**
- (e) Students of Wajir High School conducted a field study on weathering around their school.**
- (i) Apart from exfoliation and frost action, name any other two types of physical weathering they studied. **(2 marks)**
- (ii) State three problems they may have encountered. **(3 marks)**
9. (a) (i) Distinguish between seismic focus and epicentre. **(2 marks)**
- (ii) List three characteristics of primary waves. **(3 marks)**
- (iii) Explain three natural causes of earthquakes. **(6 marks)**
- (iv) Identify three scales that are used to measure intensity and magnitude of earthquakes. **(3 marks)**
- (b) (i) Describe the plate tectonics theory. **(4 marks)**
- (ii) Give four significances of the plate tectonics theory. **(4 marks)**
- (iii) What is subduction? **(2 marks)**
10. (a) (i) What is faulting? **(2 marks)**
- (ii) Apart from a thrust fault, name three other types of faults. **(3 marks)**
- (iii) Draw a well-labelled diagram of a thrust fault. **(2 marks)**
- (b) (i) Differentiate between a fault scarp and a fault line. **(2 marks)**
- (ii) Name three features found along the Rift Valley of Kenya. **(3 marks)**
- (iii) With the aid of a well-labelled diagram, explain the formation of a rift valley by tensional forces. **(7 marks)**
- (b) Explain three ways features resulting from faulting are of significance to humankind. **(6 marks)**























