



MARANDA HIGH SCHOOL

Kenya Certificate of Secondary Education PRE-MOCK EXAMINATIONS 2023

312/1

GEOGRAPHY

Paper 1

April 2023 – Time: 2¾ Hours

Name: Adm No:

Stream: Candidate's Signature: Date: 8/04/2023.

Instructions to Candidates

- Write your name, admission number and stream in the spaces provided above.
- Sign and write the date of the examinations in the spaces provided.
- This paper consists of two sections; **A** and **B**
- Answer **all** the questions in section **A**.
- In section **B**, answer **question 6** (compulsory) and any other **two** questions.
- Answers **must** be written in the spaces provided after 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**.

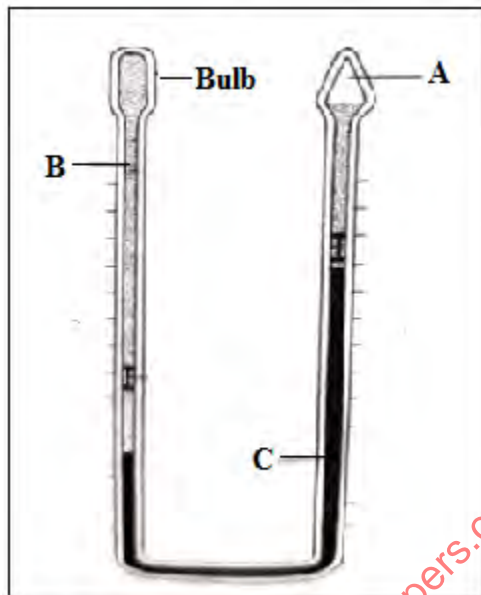
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Section	Questions	Candidate's Score	Maximum Score
A	1 – 5		25
B	6		25
			25
			25
	Total Score		100

SECTION A

Answer *all* the questions in this section.

- Name **two** heavenly bodies that form part of solar system apart from planets. (2 marks)
 - State **three** characteristics of planets. (3 marks)
- The diagram below shows six's thermometer. Use it to answer question (a).



- Identify the parts labeled **A**, **B** and **C**. (3 marks)
 - State **two** ways through which latitude influences the temperature of a place. (2 marks)
- Give **two** types of magma. (2 marks)
 - Name **three** lava plateaus found in Kenya. (3 marks)
 - Identify **two** lakes formed through erosion process. (2 marks)
 - Give **three** reasons why some lakes are salty. (3 marks)
 - What is weathering? (2 marks)
 - State **three** ways through which living organisms cause weathering. (3 marks)

SECTION B

Answer **question 6** (compulsory) and any other **two** questions from this section

6. Study the map of Kisumu East (1:50,000), sheet 116/2 provided and answer the following questions.
- (a) (i) Convert the ratio scale of the map to into a statement scale. (2 marks)
- (ii) Give six figure grid reference of the trigonometrical station 1154 SKP 21 in the southern part of the area covered by the map. (2 marks)
- (iii) Calculate the bearing of Rabuor market from Air Photo Principal point in grid reference 0986. (2 marks)
- (iv) What is the length of the section of railway line west of the easting 00 to Kisumu station? Give your answer in kilometres. (2 marks)
- (v) Identify **three** drainage features in the area covered by the map. (3 marks)
- (b) Describe the relief of the area covered by the map. (4 marks)
- (c) Citing evidence from the map, give **two** factors that favour cultivation of sugarcane in the area covered by the map. (4 marks)
- (d) Identify **three** social activities carried out within Kisumu municipality. Give evidence. (6 marks)

7. (a) (i) Define the term folding. (2 marks)
- (ii) Give **three** features formed through folding other than fold mountains. (3 marks)
- (b) The map below shows the distribution of fold mountains in the world.



- (i) Name the mountains marked **D** and **E**. (2 marks)
- (ii) Identify the orogenies during which mountains marked **F** and **G** were formed. (2 marks)
- (c) With the aid of well labeled diagrams, describe the formation of the following types of folds.
- (i) Asymmetrical folds. (4 marks)
- (ii) Nappe folds. (4 marks)
- (d) Explain **four** positive influence of folding to human activities. (8 marks)
8. (a) What is derived vegetation? (2 marks)
- (b) Explain how the following factors influence the distribution of vegetation.
- (i) Winds (4 marks)
- (ii) Rainfall (4 marks)
- (c) (i) Give **two** major types of vegetation in the world other than forests. (2 marks)
- (ii) Describe the characteristics of tropical rainforests. (6 marks)

(d) Your class is planning to carry out a field study of vegetation around the school.

(i) Give **three** sources of information you are likely to use while preparing for the study. (3 marks)

(ii) State **four** challenges you are likely to encounter during the study. (4 marks)

9. (a) Differentiate between a river confluence and an interfluvium. (2 marks)

(b) Explain **three** types of river erosion. (6 marks)

(c) (i) Apart from waterfalls, give **three** other features resulting from river erosion. (3 marks)

(ii) State **four** ways through which waterfalls may be formed. (4 marks)

(d) Describe how the following features are formed.

(i) Flood plain (5 marks)

(ii) Arcuate delta (5 marks)

10. (a) Give **four** components of soil. (4 marks)

(b) Explain how the following factors influence soil formation.

(i) Living organisms (4 marks)

(ii) Relief (4 marks)

(c) Explain **four** causes of soil erosion. (8 marks)

(d) State **five** significance of soils. (5 marks)

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