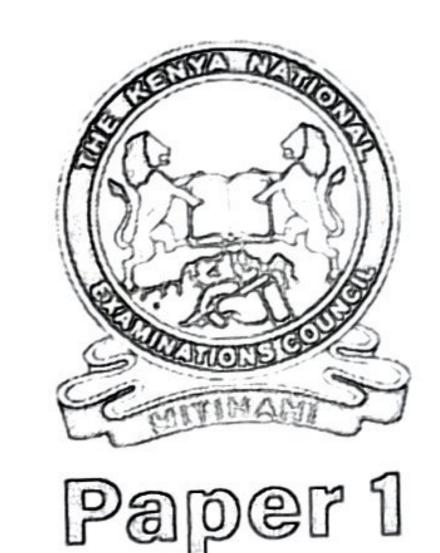
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THE KENYA NATIONAL EXAMINATIONS COUNCIL Kenya Certificate of Secondary Education



312/1

GEOGRAPHY

Mov. 2023 — 23/4 hours

Serial No. 26124388

Name:	Index Number:
Candidate's signature:	Date:

Instructions to Candidates

- (a) Write your name and index number in the spaces provided above.
- (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 ตุเนอร์น้อด 6 and any other ชิเพอ 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	Questions	Maximum Score	Candidate's Score
A	1-5	25	
	6	25	
		25	
B		25	
	Total Score	100	

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SECTION A (25 marks)



Answer all the questions in this section.

Differentiate between weathering and mass wasting. (a)

Identify three ways in which temperature change influences physical weathering. (b)

(3 marks)

Describe how a land breeze occurs.

(5 marks)

Distinguish between weather and climate. (a)

2 marks)

State three negative effects of desertification on the physical environment. (b)

State two factors that influence river erosion. The Front (2 marks)

Name the three types of sand dunes. (a)

Name the three types of sand dunes. (b)

Figure 1 shows zones of ground water. Use it to answer question 5 (a).

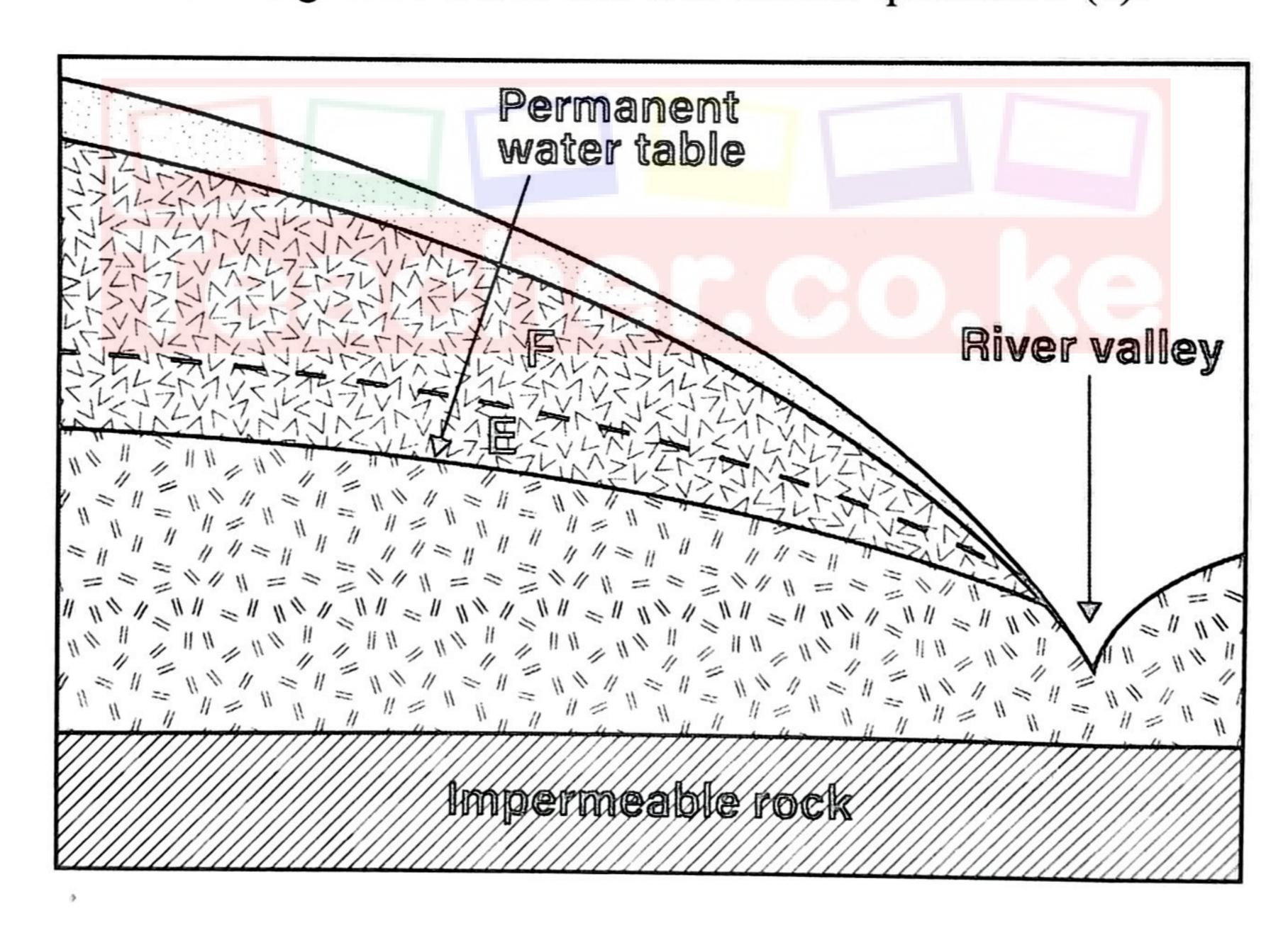


Figure 1

Name the zones marked E and F. (a)

(2 marks)

State three conditions that favour the formation of an artesian basin. (b)

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SECTION B (75 marks)

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

6	Study		55 map of Mumias 1:50,000 (Sheet 101/2) provided and answer the follows	owing
	(a)	(i)	Convert the scale of the map into statement scale. D'SLM'	(2 marks
		(ii)	Give the six figure grid reference for the school at Mungabo	(2 marks
		(iii)	Identify three types of natural vegetation found to the south of Northi	ng 36. (3 marks
		(iv)	What is the bearing of the school at Khamashia from the school at Iho	nje? (2 marks
	(b)		g a vertical scale of 1 cm to represent 20 m, draw a cross section from grence 580410 to 670410. On the cross-section, mark and name:	id
会会マムロ		(i) (ii) (iii) (iv)	all weather road - loose surface; riverine trees; river Nzoia; seasonal swamp.	(7 marks
	(c)	Citin	g evidence from the map, explain two factors favouring trading in the ar	ea. Load huge (4 marks
	(d)		ribe the relief of the area covered by the map.	(5 marks
7	(a)	(i)	Give three sources of lake water. Ram' Fund.	(3 marks
		(ii)	State three characteristics of lakes formed due to faulting.	(3 marks
	(L)	D	- Long	

(b)

Describe how the following lakes are formed: a with broucs.

(i) moraine dammed; when pure deposition.

(ii) lagoon. - boy or exceed by deposition. (6 marks)

(5 marks) Explain four ways in which lakes influence the climate of the surrounding areas. (c)

(8 marks)

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			- quality a	
			1 De marie et l'	444
8	(a)	(i)	Define the term glaciation. The second Glaciation on human environment.	(2 marks)
		(ii)	Explain three negative effects of glaciation on human environment.	(6 marks)
	(b)	(i)	Give three ways in which ice moves.	(3 marks)
		(ii)	Explain two factors that influence movement of ice.	(4 marks)
	(c)		ibe how each of the following features is formed:	
		(i)	outwash plain;	(4 marks)
		(ii)	Roché mountonee.	(6 marks)
9	(a)	Give t	two reasons why wind is more active in hot deserts.	(2 marks)
	(b)	Descr	ibe how the following features found in hot deserts are formed:	
		(i) (ii)	mushroom block; - 100 dagining yardangs.	$\sqrt{\frac{4 \text{ marks}}{4 \text{ marks}}}$
	(c)	Expla	in three ways in which features resulting from wind action in arid area	as are
		шрог	tant. Towsh authoris -	(6 marks)
	(d)	Some	students carried out a field study on wind deposition features in an aria.	d area in
		(i)	Name three secondary sources of information 41	
			- Denocercals franchal	\leq (3 marks)
		(ii)	State three reasons why it was necessary for the students to visit the the actual field study.	area before (3 marks)
		(iii)	Give three advantages of studying wind depositional features throug	h field
				(3 marks)

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ماه الما		(ii)	List four properties of soil the students would study.	(4 marks)	
				(3 marks)	
		(i)	Give three activities the students are likely to carry out during t	he study.	
	(d)	Students in a secondary school intend to carry out a field study on soils within their local environment.			
Q	(c)		five economic uses of soil.		
		(ii)	climate.		
▼		(i) ·	parent rock;	(4 marks) (6 marks)	
会会	(b)	Explain how the following factors influence soil formation:			
10	(a)	Class	sify soils according to order.	(3 marks)	
			Indemmed	(2 1)	