





312/2 MS GEOGRAPHY Paper 2 MARKING SCHEME November 2023

THE KENYA NATIONAL EXAMINATIONS COUNCIL

KENYA CERTIFICATE OF SECONDARY EDUCATION

GEOGRAPHY

Paper 2

MARKING SCHEME (CONFIDENTIAL)

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This marking scheme consists of 14 printed pages.

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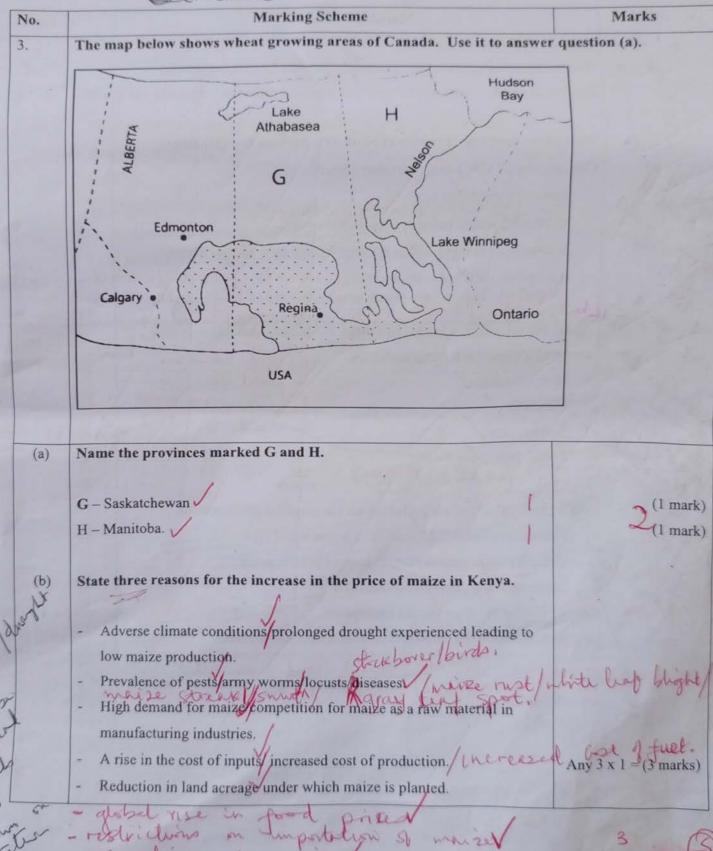
Turnover



SECTION A

Answer ALL the questions in this section.

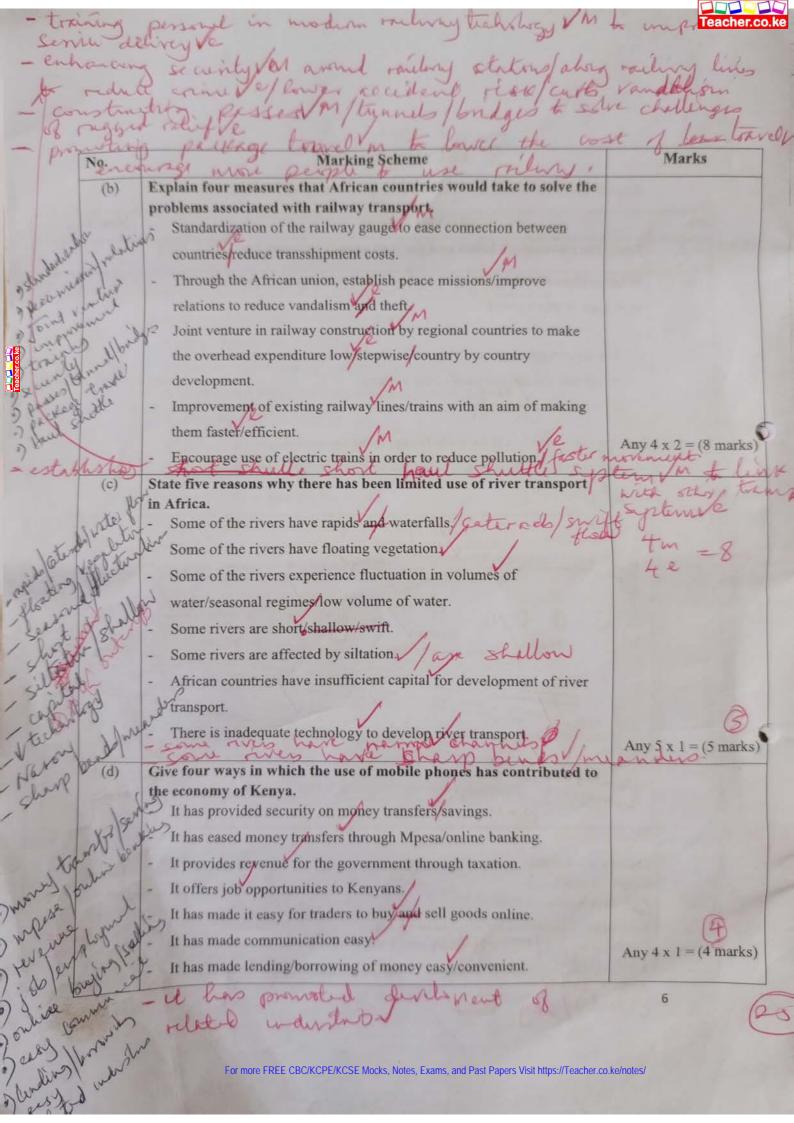
Boxide No. Marking Scheme	
Brutus No. Marking Scheme	Marks
Name two minerals that occur as weathering products.	
- Bauxité/ore of aluminum/Kaolimite à divine	
- Manganese	2
- Nickel	
(b) - Iron. /	Any $2 \times 1 = (2 \text{ marks})$
State three uses of soda ash.	- making strong the
- Glass making	erig pulp.
- Fixing dyes in textile industries	dient in dehydraty
- Softening water / water treatment of what	val 107 mater
- Oil refining / mak	ing took parter
Manufacturing soap and detergents degreesers	ung painti
Desulphurizing steel.	Any $3 \times 1 = (3 \text{marks})$
Name the hydro-electric power projects located in each of the	Jerunizero
following rivers in Africa.	
(i) River Zambezi – Kariba dam/Cabora bassa dam.	(1 mark)
(ii) River Volta - Akosombo dam. / Volta dam	(1 mark)
	02
(b) State three factors that have hindered the development of solar	
energy in Kenya.	
- Solar energy has low energy output.	
- The short life span of storage batteries.	19-19-19-19-19-19-19-19-19-19-19-19-19-1
- Competition from alternative sources.	3
- High cost of purchasing/installation of solar panels/low purchasing	ng
- The short life span of storage batteries. - Competition from alternative sources. - High cost of purchasing/installation of solar panels low purchasir power of people. - Und definate to the storage batteries.	Any $3 \times 1 = (3 \text{marks})$
- Lecture - inedograte to charles	



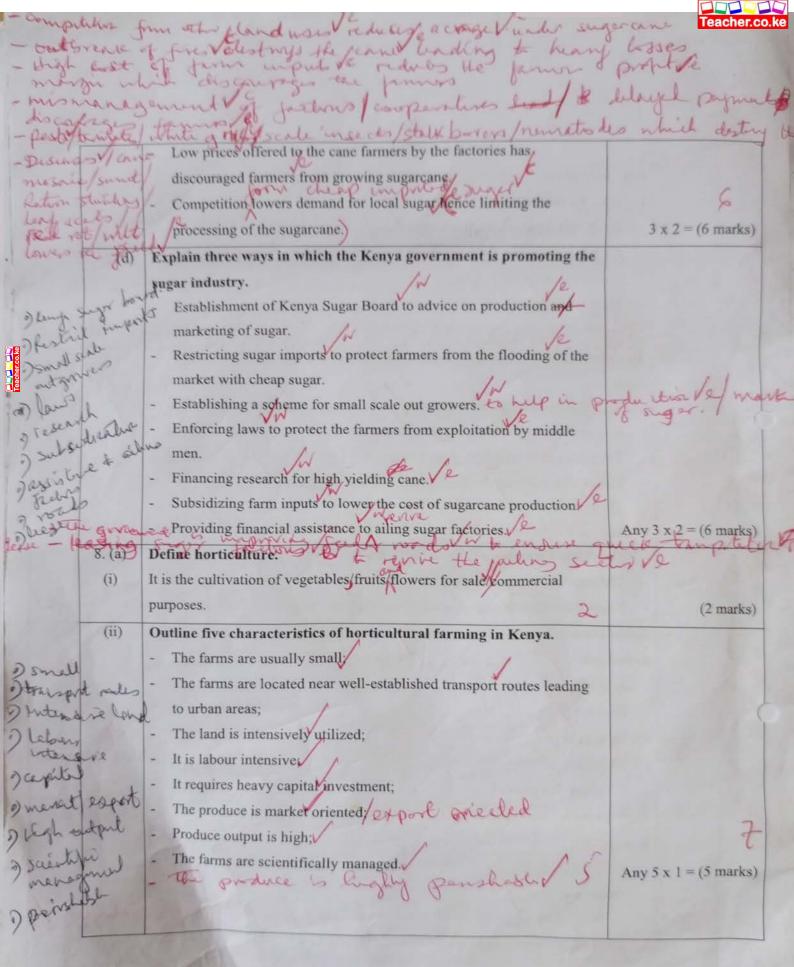
	No.	Marking Scheme	Marks
*	4. (a)	Explain the term visible trade.	
		The exchange of goods within a nation/between countries/export and	62
		imports of goods.	(2 mar
		The state of the s	
	(b)	State three economic benefits of Southern African Development	
λ.	2000	Community (SADC) to its member states.	
By of	J. X.	- Variety of goods are available.	
System	and X	- Movement within member countries is easier.	
X085	Ruga	- A large market for goods from member countries has been created.	
05		- A common tariff has been created. / removal of trade from	Any $3 \times 1 = (3 \text{ mar})$
L'A	J.	Les capital for economic diselutional so an	nted to
Prof	5. (a)	Apart from pollution, name two other environmental hazards that	
R	Ber	occur as a result of human activities. — land stades	
No.	92	- Desertification - pest	
se win	2ist	- Flooding - drought	1 6
Del	Les XV	Soil erosion _ land derenchia	Any $2 \times 1 = (2 \text{ max})$
JUX.	Just	- Forest fires. / / to a dam faitures	
May	W.	- Earthquake / Herrish -	
AN E	(b)	State three effects of air pollution on the physical environment.	
45	درگر	Formation of acid rains leading to withering of plants.	
JA 1	X No No	There is excess carbon dioxide leading to increase in	
1000	entre .	temperatures/depletion of ozone layer.	
and	in /	- Reduction of oxygen in the atmosphere.	Any 3 x 1 = (3mar
ans	0	- Excess dust in the air inhibiting photosynthesis in plants.	any sair (sma
	1/	temperatures/depletion of ozone layer. - Reduction of oxygen in the atmosphere. - Excess dust in the air inhibiting photosynthesis in plants. - Gasis experted course bad smell of the small of the s	0
	V	- dust/smisee/smisa reduces 14 1 1 1	1 3
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(6)	a may be		(5
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75.7	-	For more FREE CBC/KCPE/KCSE Mocks, Notes, Exams, and Past Papers Visit https://Teacher.co.ke	e/notes/

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

No.	Marking Scheme	Marks
6.	Study the photograph below and use it to answer question (a).	
(a) (i)	What evidence in the photograph shows that it is a ground general view type of photograph?	
	- The objects get progressively smaller towards the background. - It captures the general view of the scenery. - It focuses on all objects.	Any 2 x 1 = (2 mark
(ii)	Draw a rectangle 14 cm by 8 cm to represent the area of the photograph. On it, sketch and label the main features shown on the photograph.	A LANGE
	TREES TRAIN GRASS FENCE CULTIVATE CULTIVATE	D AREA COOPS
	Rectangle – 1 mark Ridge – 1 mark Rail tracks/train – 1 mark Cultivated area/maize/ banana/maize – 1 mark Contain – 1 mark	Poles – 1 mark Trees/grass – 1 mark Fence – 1 mark Grass – 1 mark



No.	Marking Scheme	Marks
7. (a)	Give four physical conditions that favour sugarcane growing in the	
	Lake Victoria basin.	- 11 . 4
	- Deep well drained soils Black cotton soil clay/allunel/vdcar - High temperatures // my death to king tump she Gentle slope and undulating land	re a wary sont
	- High temperatures / my death to help tempole	4/20 - 27°C
χ.	- Gentle slope/undulating land.	
Cump	- High rainfal 1200 – 1500 mm per annum.	1
2	Dry Sunny conditions for sucrose accumulation/ harvesting / has	Any 4 x 1 = (4 mark
(b) (i)	Describe the stages involved in the processing of sugarcane at the	X .
10	factory.	
	- The cane is received and weighed;	A STATE OF THE PARTY OF THE PAR
	- The cane is washed and chopped into pieces;	WINDS OF
1	- The pieces are crushed to extract the juice;	AND THE RESERVE
	- The juice is put into clarifiers to filter off the impurities;	12 15 6 6 6 1
1	- The juice is boiled to evaporate the water;	
\$0	- The juice is further stirred in large tanks to allow crystallization,	A THE STATE OF THE
	- The crystals are separated from molasses.	
Vis vator	- The sugar is bleached to whiten;	6
halleren	- Sugar is then dried, cooled, graded, weighed and packed.	Any 6 x 1 = (6 marks
(ii)	Apart from sugar, give three other products obtained from	
	sugarcane: _ = Ethent / kum/falernum/alche	e.
1	- Jaggery	ALC:
Maria I	- Bagasse	1777789
	- Cane juice 2	a
	- Molasses	Any $3 \times 1 = (3 \text{ marks})$
	- Filter cane filter mud.	Pary 5 x 1 = (5 mm as
(c)	Explain three causes of the decline of sugar cane production in	
	Kenya.	
1	- Crop diversification with farmers venturing into other crops has	
0	reduced acreage.	
cal with w	Climatic changes/prolonged drought has made large scale	lan and this
guned !	growing/planting crops that are drought resistant.	
gurden]	Biblion Spranting crops that are drought resistant.	
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or In	For more FREE CBC/KCPE/KCSE Mocks, Notes, Exams, and Past Papers Visit https://Teacher.co.ke	/notes/





No.	Marking Scheme	Marks
(b) (i)	Give four physical factors that favour horticultural farming in Kenya. Hot wet climate favours the growth of tropical crops; Cool wet climate in the highlands favours the growth of temperate crops; Well drained volcanic sorts Availability of water of the sorts Relatively gentle sloping land/undulating.	Any 4 x 1 = (4 marks)
(ii)	Explain three challenges that horticultural farmers experience in	
le from B	- Poor marketing strategies lead to reliance on middle men who exploit farmers;	John John Charles John John John John John John John John
	- The high cost of transporting produce by air lowers profit margin. - competition from other producing consults from other producing the members of the me	Any 3 x 2 = (6 marks)

No.	Marking Scheme	Marks
(c)	You intend to carry out a field study in a nearby horticultural farm.	
1		
(i)	Apart from flowers, identify the other two types of crops you are	
	likely to find in the farm.	
	- Fruits. / Serons/Benons/ witer merlas / pineapols/electory plums/ bount / dats / fears / faw pay / w - Vegetables turns/ tangarines / peaches / prince	when / Arrendes
	- Vegetables turners tangarines / Pour ches	$2 \times 1 = (2 \text{ marks})$
	Give two sources of information that you would use for the field	h Thurstons on
	Give two sources of information that you would use for the field	ats Garden poa
	study. Sugs / chillib / capsicum.	
(ii)	- Resource persons/farmers/agricultural officers.	
	- Journals/magazines/relevant textbooks./ news pepers	
1 13	- Maps.	
	- Documentaries. / Ndes /	Any $2 \times 1 = (2 \text{ marks})$
(iii)	State four factors that have contributed to fast growth of flower	
	farming sub sector in Kepya.	
THE PARTY	- Rise in local demand for flowers/market	
. 6	Increased investment in greenhouses ensuring high quality flower	
اللغ المرادر	products.	
8 8 h	- Low cost of production of flowers compared to other crops.	
AL)	- Increased international demand due to high quality of Kenyan	
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	flowers.	
ang / (sque	- Shift from growing traditional cash crops that are less profitable.	Any $4 \times 1 = (4 \text{ marks})$
Kr. NO	- well organised marketings pterms coopera	tres and
Hor.	- help farmer to export othe produce	
ala.	I de level research have lead to do	religionent
West after	- und preary vanition of loting	land corps.
N W	a round transport net mile words a	in port, feull
od.	flowers. Shift from growing traditional cash crops that are less profitable. Well organized marketing permits cooperately family to export the produce produce the level of search have level to dear finding varieties of later forms for the produce of the produ	podnie
7	- availed about	the t
by.	production.	P
	- this population provide expap labor	N
	0 0 0	10

No.	Marking Scheme	Marks
9. (a)	Differentiate between pelagic and demersal fish.	6.12 1.1 1.1
(i)	Pelagic fish mainly live near the surface or in shallow waters	1000
	lakes/sea/oceans, while demersal are fish that live close to the bottom of	
	water bodies/deep waters.	
		(2 mark
		- Verkal
(ii)	Describe the drift method of fishing.	- attachel
	- Nets are hang vertically in water;	- eftert
	- They are attached to a drifter/booat;	- Heat of wells
	- They are kept afloat by floats on the upper side;	- gill trap.
	- The lower side is held by weights;	- braged
	- Several nets can be joined together to form a fleet of nets;	- renuval
	- Fish swim through the nets and get trapped by the gills due to small	-Back
	mesh;	
	- The nets are dragged to the shore;	
	- The fish are removed from the nets and sold;	6 x 1 = (6 mark
	- The nets are then returned back to the sea for more catch.	8
(b)	Explain four reasons why there is widespread fresh water fishing in	
(0)	East Africa.	
	- There are/several water bodies/rivers/ponds/lakes that host a variety	
	of fish which are exploited.	
	- High demand for fresh water fish which are easily available low	and Ly too C
	- Inland fishing grounds allow use of low technology/traditional	Fresh water fol
	methods as most fishing grounds are shallow/most fishermen don't	preferred
	have sophisticated instruments.	
	- High population around the fishing grounds offer market for the fish.	
	- Fresh water fish provide an alternative source of cheap protein	
	- frosh violes fromthe continued for comita	Any $4 \times 2 = (8 \text{ mark})$
	de mostment	Any $4 \times 2 = (8 \text{ mark})$
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Sur w	7	
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No.	Marking Scheme	Marks
(c) (i)	Explain how each of the following factors influence fishing in Kenya	7 10.7 10.0
	and Japan.	
	• Market	
×.	Japan has ready market for fish both locally and internationally while in	
	Kenya, the local market for fish is relatively small as few people eat fish. • Technology	(2 marks
	Japan has advanced technology leading to efficient fishing in deep water,	
	while Kenya has low technology leading to concentration of fishing	
	along the shores.	(2 marks
(GIV	State the significance of fishing to the economy of Kenya.	
(ii)	- Fishing provides fish which is a source of income to the fishermen;	
	- Fishing creates job opportunities.	
	- Fishing stimulates growth of other related industries hish provides	
	raw materials for industries.	
	- Taxation of fishing activities bring revenue to the government.	
	- Fish products are exported attracts sport fishing which earns foreign	
	exchange.	
	- Has led to development of transport and communication networks	$5 \times 1 = 65 \text{ marks}$
	-fisher is a solid	a bout
	- fishing of a soule of first protein &	1
	- sport frishing my A	SP.
	James Toursons V	9
	Jincons	
	-256p regetter)	
	2 in horse it is	
	o) row we of both of	
	2 400	
	Story Bryon House,	12

No.	Marking Scheme	Marks
10. (a)	Name two types of settlement patterns found in rural areas.	The second
(i)	- Nucleated/clustered.	(2 marks)
	- Scattered/dispersed.	
	- Linear	
	· Patial / Star shaped.	
	State five factors that have contributed to the emergence of slums in	
(ii)	urban centres.	
	- Some urban dwellers earn low income/are unemployed.	
	- There is shortage of houses/affordable houses.	
	- Some people have low inadequate purchasing power. / wedge	e frientel do
Jane		
harator		2
houter pe	There is high rate of migration to towns.	(Any 5x1=5 Marks)
plann (b)		(1 my 5x1-5 iviarks
(b)	Explain four functions of Eldoret town.	
d	Dapinin Tour Tunicuons of Endorer town.	
	- Educational centre— it is a home of several educational	R
	institutions iniversities/colleges/polytechnics.	It mku/ynura
	- Industrial centre - It has several manufacturing/processing	& Blyhalf RV
	industries/companies/cooperative creameries. Paigles Vy brooks	red / Ken meat
	- Recreational centre since there are several hotels/stadium/golf course	- A- A- A
	and entertainment centres. Switch hills hip droge to	10
	- Commercial centre at has booming trade in all commercial	mil nit
	products)	M, LON med
	- Transport centre - It has a railway station international airport road	2
	(junctions.) Kengy pipeline Ednot light.	
,50	Administrative centre _ it is the headquarters of Hasin Gishu county	st the 20th
	- Religion centre - sained heart outledral 10	Any $4 \times 2 = (8 \text{ marks})$
W	- syncultively ceretit - collection center - is h	2 Command
2	cinals astonduley of Kit A	
Par Ca	- Communicative Vartrand bos safa	nion onto
Bush !	eldont post office.	1 1 0
9	tealth centre- it has mor trailing	and or man
0.	ensualle medit	13
D.	- Residential center - at his algan vier	Short and
	langue / Kapsaya / Sun	who Kem tun
	and the distance	
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No.	Marking Scheme	Marks
D 165	State four factors that led to the growth of New York city.	my of whom
ji y	- Open cosmopolitan attitude of New York people.	when I shall
t' wel	Economic boost after the war between United States of America	turn institution
Ne 1m	and Britain.	an hetre
Jan Jan	- Excellent sea port that is centrally located.	population
Red	- Navigable inland water routes via the Hudson River.	b grandy
du.	- There was an expansion of market after construction of the Erie	elder of an
- C	Canal which connected Hudson River to the great lakes.	R. Hillan of
- X0	- There were changes in technology leading to more development.	Any 4 x 1 = (4 ma
(d)	Explain three measures that have been taken to reduce motor	
	vehicle traffic congestion in Nairobi city.	light to
	Deployment of traffic police/traffic marshalls who control traffic	
1 Is was	flow during peak hours)	
white n	Construction of by-passes/the expressway to link roads easing	Mar call
I mex!	traffic flow in the Central Business District (CBD).	2
all red	- Introduction of commuter rail transport to reduce the number of	
the stand	vehicles on the roads.	
le void	Upgrading the roads into dual carriage easing movement/allowing	
al way	more vehicles to flow.	
all rold	- Hiking parking charges in the CBD and surrounding areas hence	DELLE SE
we'	discouraging use of personal yehicles.	
	- Decentralization of services away from Central Business District to	
	satellite towns reducing movement into the city.	Any 3 x 2 = (6 ma