THE UNITED REPUBLIC OF TANZANIA
NATIONAL EXAMINATIONS COUNCIL OF TANZANIA
CERTIFICATE OF SECONDARY EDUCATION EXAMINATION

013

GEOGRAPHY

(For Both School and Private Candidates)

Time: 3:00 Hours **Year:2024**

Instructions

1. This paper consists of sections A, B and C with a total of **eleven (11)** questions.
2. Answer **all** questions in sections A and B and **two (2)** questions from section C.
3. Section A carries **sixteen (16)** marks, section B **fifty four (54)** marks and section C carries **thirty (30)** marks.
4. All writing must be in **blue** or **black** ink **except** drawing which must be in pencil.
5. Map extract of Kimamba (Sheet 182/3) is provided.
6. Programmable calculators, communication devices and any unauthorised materials are **not** allowed in the examination room.
7. Write your **Examination Number** on every page of your answer booklet(s).

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SECTION A (16 Marks)

Answer **all** questions in this section.

1 For each of the items (i) – (x), choose the correct answer from the given alternatives and write its letter beside the item number in the answer booklet(s) provided.

(i) During the night, Mayoo saw a bright object lighting crossing the sky at high speed. Identify the object seen by Mayoo.

A Meteors B Satellites C Planets
D Asteroids E Comets

(ii) Abel keeps records of linear measurements, heights and angles on the earth's surface during surveying. Who is Abel?

A Cartographer B Booker C Leader
D Chain man E Follower

(iii) A businessman wants to transport bulky goods from Dar es Salaam to Kigoma. Suggest the best mode of transport that he can use.

A Air B Railway C Water
D Pipeline E Cable

(iv) Gold deposits which are near to the surface have been discovered at Mtakuja village. What could be the suitable method in extracting them?

A Shaft mining B Underground mining C Open cast mining
D Alluvial mining E Placer mining

(v) Jaka is living in Dar es Salaam city centre where houses are clustered together. What could be the main environmental problem in the area?

A Loss of biodiversity B Deforestation
C Soil erosion D Desertification
E Pollution

(vi) What is the local time in Burundi which is located at 29^0 E when it is 06:00 am in Brazzaville which is located at 14^0 E?

A 11:00 pm B 01: 00 am
C 07:00 am D 10: 00 am
E 11:00 am

(vii) Miss Shengo uses energy generated from the sun for cooking. Identify the type of energy she is using.

A Nuclear energy B Wind energy
C Geothermal energy D Solar energy
E Biogas energy

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(viii) Which is the main characteristic of the Earth's crust?
A It is the thickest layer of the Earth
B It is the outer layer of the Earth
C It is the middle layer of the Earth
D It is the molten layer of the Earth
E It is the hottest layer of the Earth

(ix) Pita was asked by his teacher to identify components of soil in a farm. Which among the following components will be identified?
A Organic matter, inorganic matter, water and air
B Inorganic matter, minerals, trees and earthworms
C Water, air, living organisms and plants
D Parental rocks, climate, water and organisms
E Rocks, minerals, water and gases

(x) Mr. Kanjubai established school bags industry near Kanjubai Primary and Secondary schools. Identify the main factor for locating that industry in the area.
A Capital B Labour force C Power supply
D Market E Raw material

2. Match the climatic region in **List A** with their corresponding areas in the world in **List B** by writing a letter of the correct response beside the item number in the answer booklet provided.

List A	List B
(i) Equatorial climate	A India and Thailand
(ii) Monsoon climate	B Amazon and Congo basin
(iii) Savanna climate	C Namibia and Atacama
(iv) Desert climate	D Spain and Cape Province
(v) Mediterranean climate	E Ice land and Greenland
(vi) Polar climate	F West Africa and North Australia
	G East Africa and Greenland
	H Rockies and Himalayas

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SECTION B (54 Marks)

Answer **all** questions in this section.

3. Study carefully the map extract of Kimamba (sheet 182/3) provided and then answer the following questions:
   (a) Suppose a hunter was standing at Tindiga school compound at grid reference 907406 and he saw an antelope at grid reference 870380. Locate the position of an antelope by using bearing.
   (b) Identify the stage of development reached by the main river in the map.
   (c) Briefly describe the distribution of vegetation in the mapped area. Give two points.
   (d) Classify three settlement patterns of the mapped area.

4. The Ministry of Home Affairs distributed patrol cars to Police Force as follows: Arusha 20, Dar es Salaam 25, Dodoma 18, Kigoma 15 and Mtwara 12.
   (a) Tabulate the given information.
   (b) Use the information tabulated in (a) to draw a pie chart.
   (c) Outline two advantages of using the pie chart in presenting the given information.

5. Imagine you are living in a village affected by land degradation caused by human activities.
   (a) Mention five human activities which caused that particular problem.
   (b) Describe four farming methods that can be used to improve agricultural products in the village.

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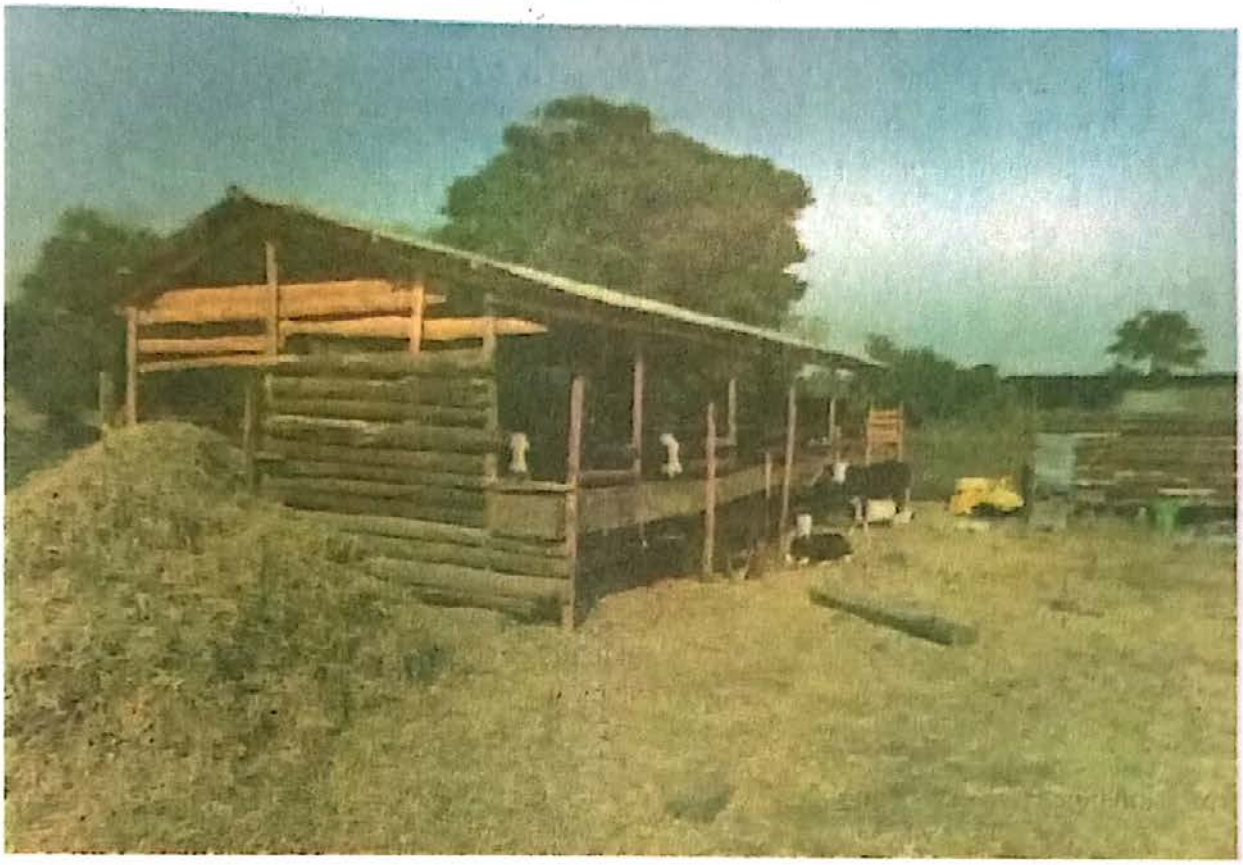
6. Study carefully the following photograph and answer the questions that follows:



(a) Giving two reasons, name the type of photograph.
(b) Mention four characteristics of the activity taking place in the photograph.
(c) What are the four advantages of the activity taking place in the photograph?

7. The students of Mlima Secondary School observed a powerful river diverting the course of the nearby weak river into its main course.
(a) Mention a feature formed after a weak river was diverted.
(b) Draw a well labeled diagram of the feature mentioned in (a).
(c) Briefly describe the parts labeled in the diagram drawn in (b).

8. (a) Briefly describe the term;
(i) Weather.
(ii) Weather forecast.
(b) Describe seven elements of weather.

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SECTION C (30 Marks)

Answer **two (02)** questions from this section.

9. Bomana villagers changed stagnant water area to a productive land. Describe five aims of performing that activity.

10. Formation of features on the Earth's surface is a result of forces that originates and operates either within or on the Earth's surface. Describe five forces responsible for the formation of those features.

11. Population distribution in Tanzania is uneven. In six points, analyse the physical factors influencing the situation.

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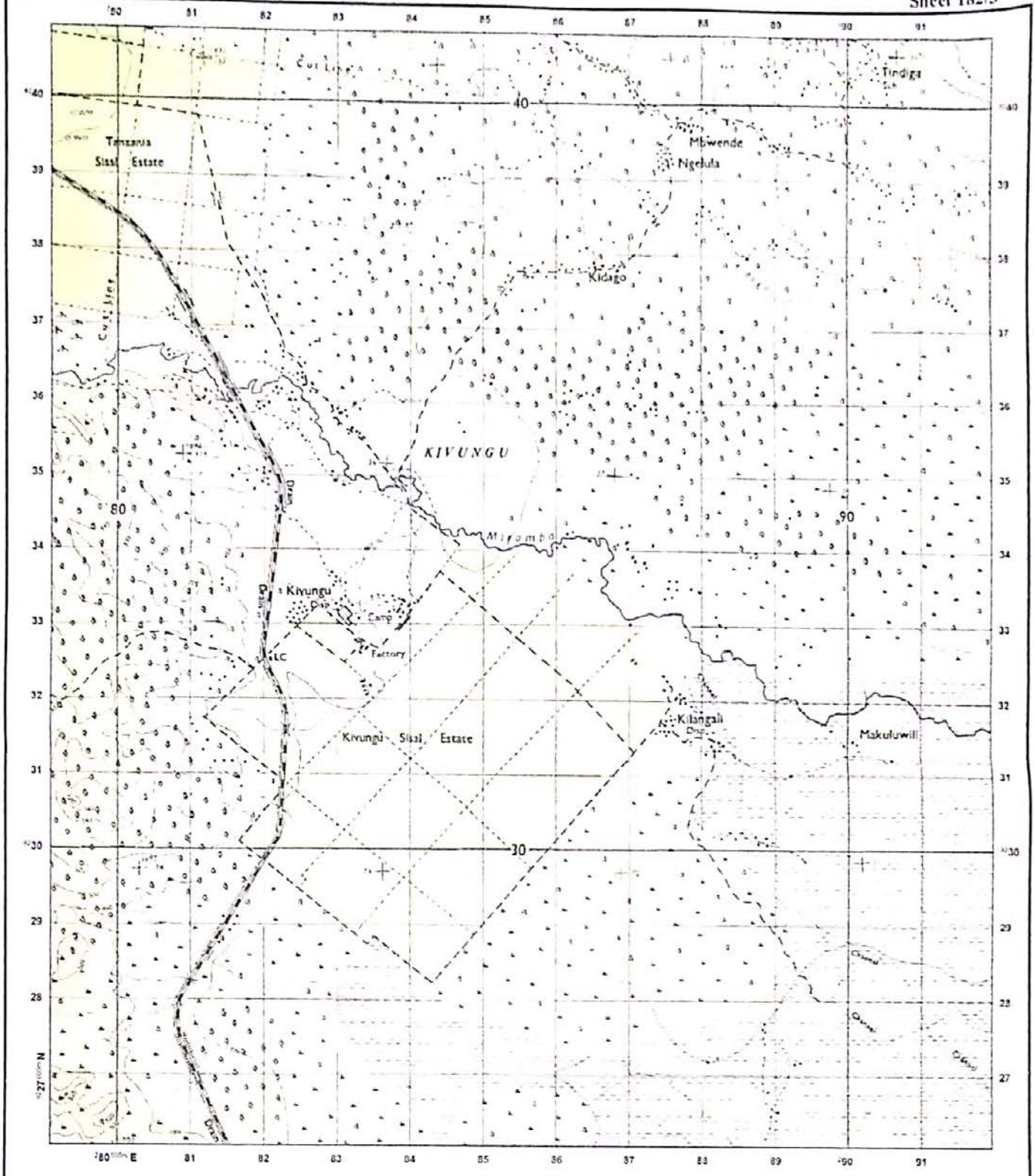
KIMAMBA

Sheet 182/3



Extract from Kimamba, Sheet 182/3
Series Y 742 (DOS 422), Edition 2 - DOS. Ministry of Lands.
Government of the United Republic of Tanzania, 1970

HEIGHTS IN METRES

Scale 1: 50,000

1 0.5 0 1 2 3 Kilometers

Town or area with Permanent Buildings
Other Populated Area, Houses
All Weather Road Bound Surface
All Weather Road Loose Surface
Dry Weather Road
Main Track (Motorable)
Other Track and Footpath
Cut Line
Railway, Siding, Station, Level Crossing
International Boundary

Steep Slope
Contours (Vl 20m) Depression
Air Photo Principal Point with Film No
Water Course, Waterfall
Rapids, Dams
Water Course, (Wide), Waterfall Rapids
Watercourse (Indefinite)
Borehole, WaterHole, Well, Spring
Bund, Major Fence, Hedge
Cliff

Forest
Tree Swamp
Papyrus Swamp, Marsh, Bog
Riverine Trees
Plantation (Coffee C, Palm Sisal S, Sugar Su, Wattle W
Woodland
Scrub
Scattered Trees
Palm Trees
Seasonal Swamp



ABBREVIATIONS

CBP	Cotton Buying Post
Ch	Church
CtHo	Court House
DC	District Commissioner
Disp	Dispensary
Hosp	Hospital
HC	Health Center
M	Mission
Mkt	Market
Mosq	Mosque
MoW	Ministry of Works
PO	Post Office
PP	Police Post
PS	Police Station
RH	Rest House
Sch	School
T	Telephone
TG	Telegraph

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