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

013 **GEOGRAPHY**

(For Both School and Private Candidates)

Year: 2025

Duration: 3 Hours

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 Kazikazi (Sheet 140/1) 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 among the given alternatives and write its letter beside the item number in the answer booklet(s) provided.

(i) Suppose the local time at Greenwich Meridian (0^0) is 11:00 am on Wednesday, what will be the time and day at longitude 180^0E?

A 11:00 am, Thursday
B 11:00 pm, Thursday
C 12:30 pm, Tuesday
D 12:39 am, Tuesday
E 11:00 pm, Wednesday

(ii) Halisafi prefer to use environmental friendly energy resource for cooking in his restaurant. Which type of energy resource is Halisafi using?

A Fuel wood
B Petroleum
C Coal
D Natural gas
E Nuclear

(iii) The Form Four students were observing a photograph of an extensive land in Australia where Merino sheep are cared for production of wool. How is that type of livestock keeping called?

A Transhumance
B Nomadism
C Pastoralism
D Ranch
E Sedentary

(iv) Asha was travelling by air across Sahara desert and had a chance to observe the crescent shaped features which were in groups and developed by an obstruction such as a rock. What could be the feature she observed?

A Seif dunes
B Loess
C Zeugens
D Barchans
E Ripples

(v) Areas along the equator receive more rainfall than the areas away from it. What is the main cause of that rainfall?

A High atmospheric pressure
B High humidity
C Low temperature
D High evaporation
E Low evaporation

(vi) Which one among the following is **not** the cause of environmental degradation in Tanzania?

A Deforestation
B Use of inorganic fertilizers
C Disposal of industrial chemicals
D Overgrazing
E Afforestation

(vii) Masalamengi is a farmer in Shinyanga and he travelled to Mikumi National park for leisure. Who is Masalamengi in Mikumi National park?

A Farmer B Tourist C Surveyor
D Researcher E Geographer

(viii) Mr. Kazi is an enterpreneur in Umoja village. He decided to invest in small scale paper bags manufacturing industry. The following will be the basic requirements for the location of his industry **except:**

A availability of power supply.
B availability of market.
C availability of skilled labour.
D presence of religious centres.
E presence of raw materials.

(ix) The rocks that are folded with one side of the limb being steeper than the other side depending on the intensity of force involved are called

A Over fold B Overthrust fold
C Simple fold D Horizontal fold
E Asymmetrical fold

(x) Mama Huruma has given birth to twelve children. The ability of mama Huruma to give birth is referred as

A Mortality. B Fertility. C Population.
D Demography. E Migration.

Match the description of time zone in **List A** with its respective name in **List B** by writing a letter of corresponding response beside the item number in the answer booklet(s) provided.

List A	List B
(i) Time recorded along the same longitude.	A Greenwich Mean Time
(ii) Different stretches of land takes their time from agreed meridians.	B International Date Line
(iii) Geographical area where the standard time is normally used.	C Latitudes and Longitudes
(iv) The line where date is changed when crossing it.	D Standard time
(v) The local time at Longitude 0^0 across the globe.	E Local time
(vi) The line which divides the earth into East and West.	F Time zone
	G Great circles
	H Prime Meridians

SECTION B (54 Marks)

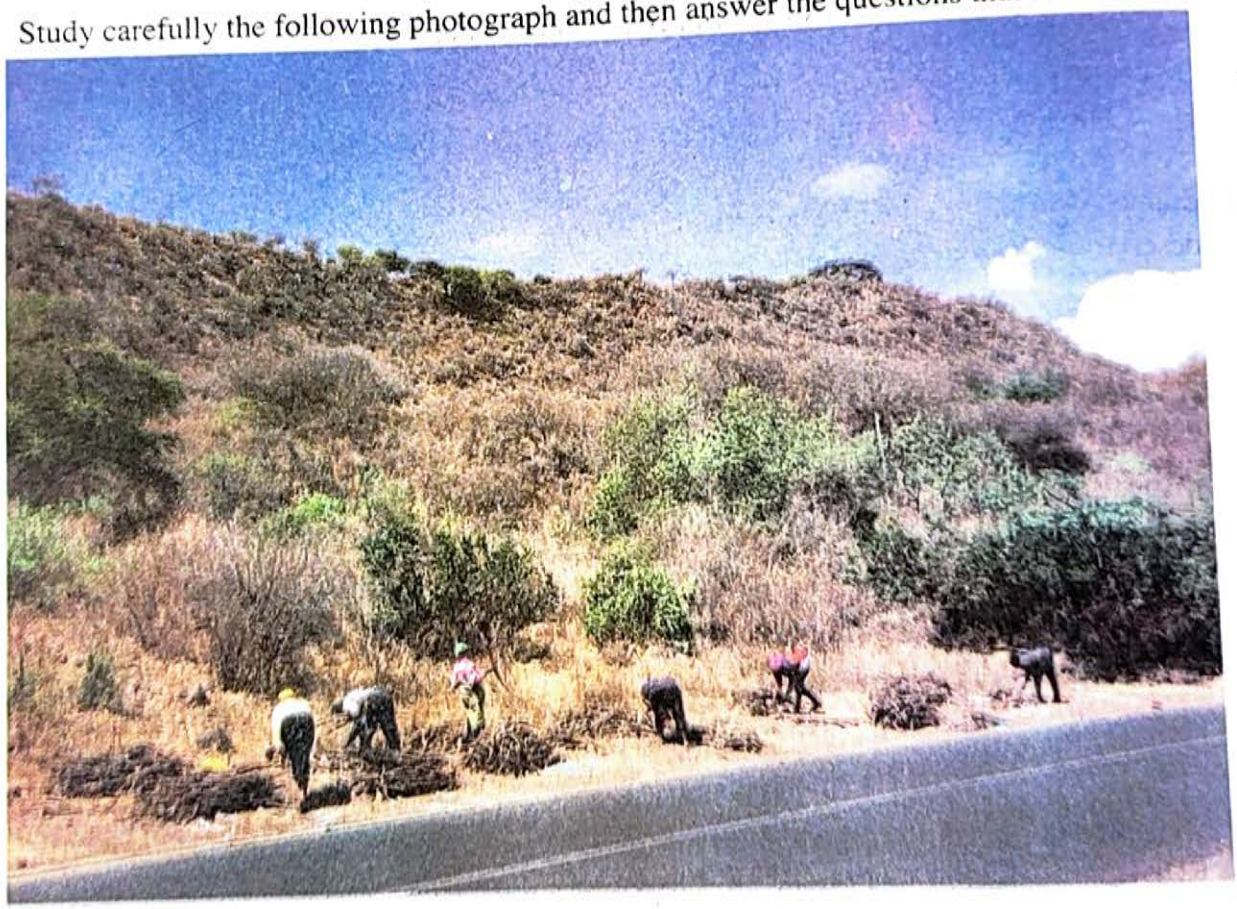
Answer **all** questions in this section.

3. Carefully study the map extract of Kazikazi (Sheet 140/1), then answer the following questions:
   (a) Name four physical features found on a given map.
   (b) Calculate the area covered by the map in km^2.
   (c) What is the general direction of flow of the river from grid reference 215785 to 267720?
   (d) What is the main possible factor that controls the direction of the river in (c)?

4. (a) Describe the concept of research.
   (b) By using eight points, explain the importance of research.

5. (a) Describe how fold mountains are formed.
   (b) Using a well labeled diagram, illustrate fold mountains.
   (c) Give three importance of fold mountains to the societies.

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



   (a) Describe the type of photograph.
   (b) Propose the climate of that area.
   (c) Mention three environmental impacts of the activity taking place at the foreground.
   (d) Mention four alternative sources of energy which can be used by those people.

7. Mr. Nguvumali learned about average atmospheric conditions of a place observed and recorded over a short and long period of time.
   (a) Mention the atmospheric conditions learnt by him.
   (b) Differentiate the atmospheric conditions mentioned in (a). Briefly give three points.
   (c) Using four points, explain the importance of predicting the condition observed and recorded over a short period of time.

8. The scores of Form Four students in a Geography midterm test were as follows: 82, 74, 35, 54, 42, 63, 33, 65, 52, 58, 60, 71, 35, 62, 58, 47, 51, 72, 56, 58, 64, 42, 59, 61 and 31.
   (a) Prepare the frequency distribution table with class intervals of 30 – 39, 40 – 49, 50–59, 60–69, 70–79 and 80–89 to represent those scores.
   (b) Give the modal class by using the frequency distribution table prepared in (a).
   (c) Explain two disadvantages of the value given in (b).

SECTION C (30 Marks)

Answer **two (2)** questions in this section.

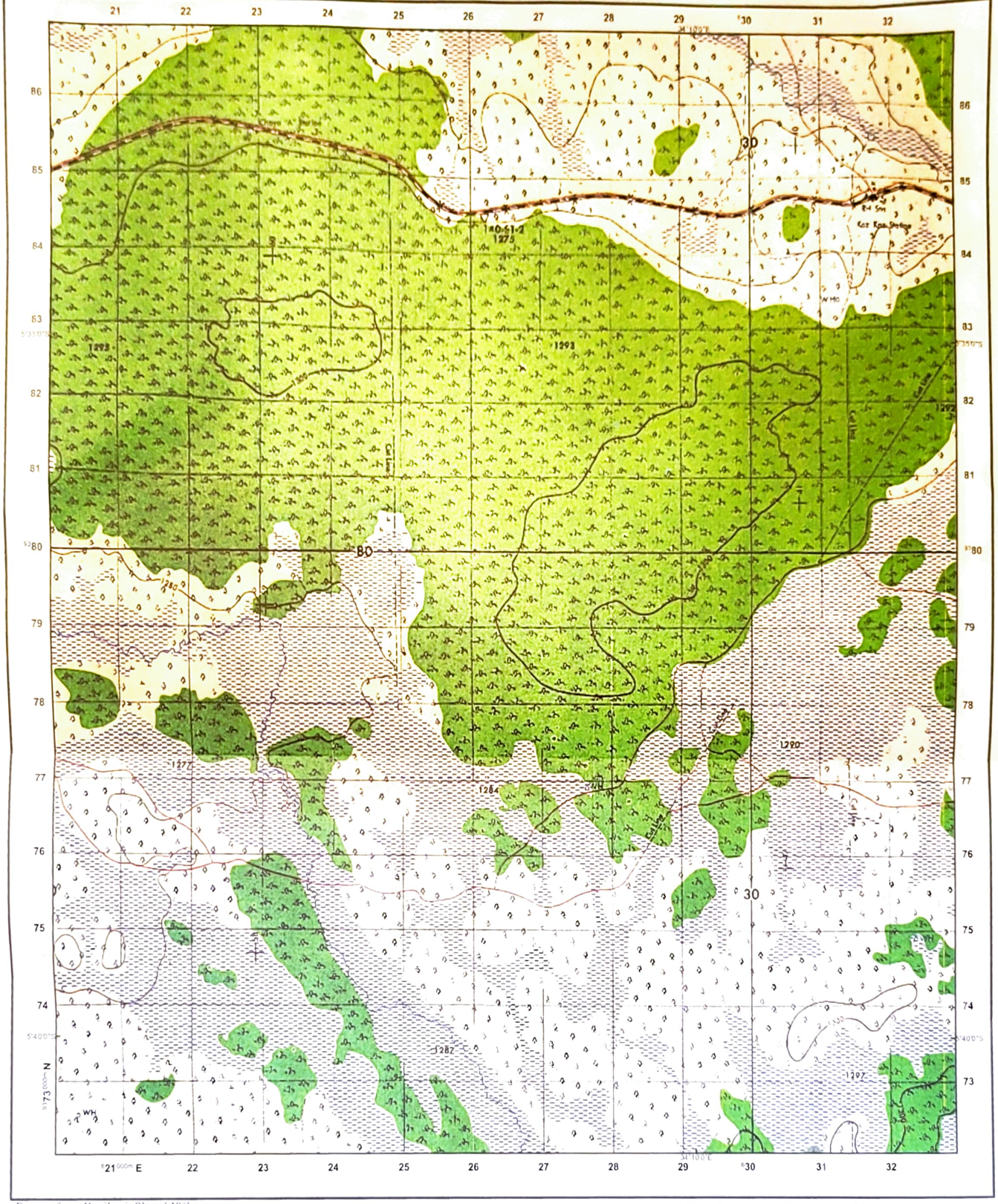
9. Amani measured distances, angles, directions and elevation in order to position his livestock's sheds and a storage building. Describe five objectives of the activity.

10. Suppose you have enough capital and you want to invest in large scale mining in Tanzania, describe six necessary factors to be considered before starting the project.

11. Suppose you are invited to the National environmental meeting to explain on man influence on "Global Climate Change." Explain three causes of the problem and suggest four possible measures to be applied.

KAZIKAZI

Sheet 140/1



Extract from Kazikazi, Sheet 140/1
Series Y 742, Edition 1 - TSD, Ministry of Lands.
Government of the United Republic of Tanzania, 1978

HEIGHTS IN METRES

Scale 1: 50,000

1 0.5 0 1 2 3 Kilometers

- Town or area with Permanent Buidings
- 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
- Railway Light
- Steep Slope
- Contours (V.I.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
- Thicket
- Bamboo
- 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