

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).



## 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 ( $0^{\circ}$ ) is 11:00 am on Wednesday, what will be the time and day at longitude  $180^{\circ}$ E?

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

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.

<b>List A</b>	<b>List B</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 $0^{\circ}$ 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.

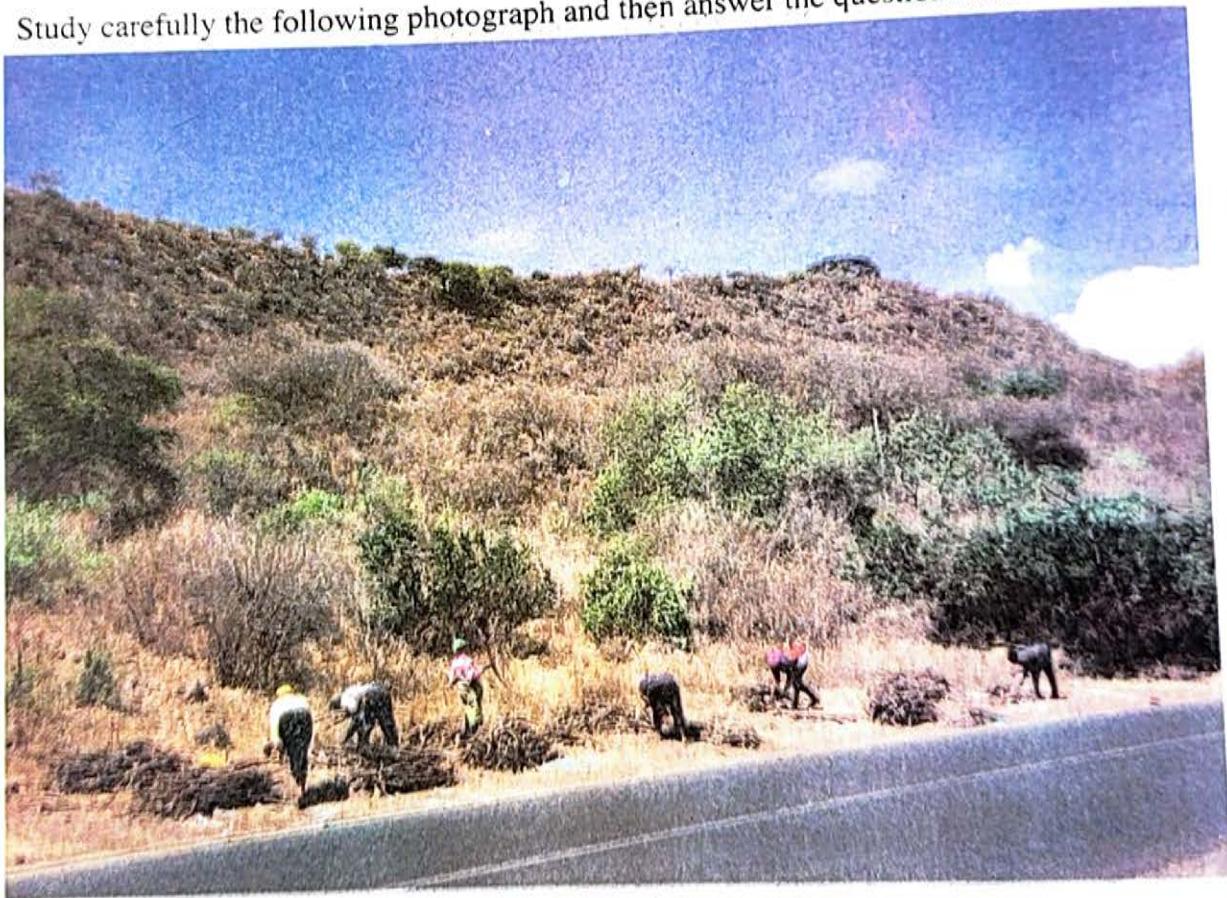
3. Carefully study the map extract of Kazikazi (Sheet 140/1), then answer the following questions:

- Name four physical features found on a given map.
- Calculate the area covered by the map in  $\text{km}^2$ .
- What is the general direction of flow of the river from grid reference 215785 to 267720?
- 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:



- Describe the type of photograph.
- Propose the climate of that area.
- Mention three environmental impacts of the activity taking place at the foreground.
- 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.

- Mention the atmospheric conditions learnt by him.
- Differentiate the atmospheric conditions mentioned in (a). Briefly give three points.
- 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.

- 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.
- Give the modal class by using the frequency distribution table prepared in (a).
- Explain two disadvantages of the value given in (b).

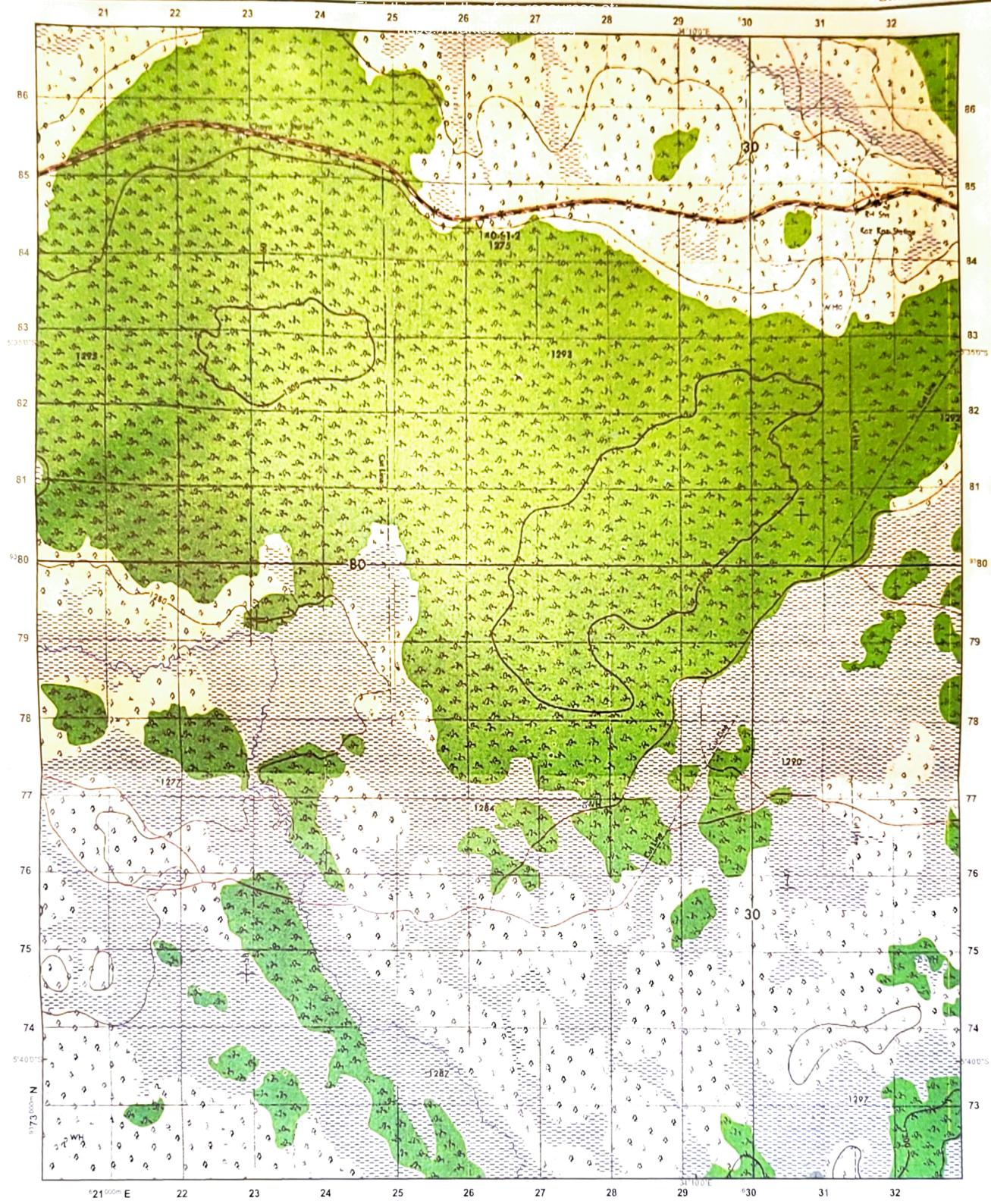
### SECTION C (30 Marks)

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.



Extract from Kazikazi, Sheet 140/1

Series Y742, Edition 1 - TSD, Ministry of Lands.

Government of the United Republic of Tanzania, 1978

HEIGHTS IN METRES

Scale 1: 50,000

1 Kilometers

Town or area with Permanent Buildings.....		Steep Slope
Other Populated Area, Houses.....		Contours (V,120m).....Depressions
All Weather Road: Bound Surface.....		Air Photo Principal Point with Film No.....
All Weather Road: Loose Surface.....		Water Course, Waterfall, Rapids, Dams
Dry Weather Road.....		Water Course, ( Wide ), Waterfall Rapids.
Main Track (Motorable).....		Watercourse (Indefinite)
Other Track and Footpath.....		Borehole, WaterHole, Well, Spring
Cut Line.....		Cut Line
Railway, Siding, Station, Level Crossing.....		Bund, Major Fence, Hedge
Railway Light.....		Cliff

	Forest.....	
	Thicket.....	
	Bamboo.....	
	Riverine Trees.....	
	Plantation:(Coffee C, Palm Sisal S, Sugar Su, Wattle W.	
	Woodland.....	
	Scrub.....	
	Scattered Trees.....	
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Seasonal Swamp.....		



ABBREVIATIONS	
CBP	Cotton Buying Post
Ch	Church
Ctlo	Court House
DC	District Commissioner
Disp	Dispensary
Hosp	Hospital
HC	Health C enter
M	Mission
Nkt	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