

Candidate's Index Number



**THE UNITED REPUBLIC OF TANZANIA
THE PRESIDENT'S OFFICE
REGIONAL ADMINISTRATION AND LOCAL
GOVERNMENT
TANGANYIKA DISTRICT COUNCIL
FORM FOUR MOCK EXAMINATIONS**



GEOGRAPHY

013

Time: 3:00 Hours

April, 2023

INSTRUCTIONS

1. This paper consists of three sections A, B and C with a total of eleven (11) questions.
2. Answer all questions from Section 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. Map Extract of SIKONGE (Sheet 137/2).
5. Programmable calculators, cellular phones and any unauthorized materials are NOT allowed in the examination room.
6. Write your Examination Number on every page of your answer sheets.

FOR EXAMINERS' USE ONLY

QUESTION NUMBER	SCORE	EXAMINER'S INITIALS
01		
02		
03		
04		
05		
06		
07		
08		
09		
10		
11		
TOTAL		
CHECKER'S INITIALS		

SECTION A (16 marks)

Answer all questions in this section

1. For each of the items (i) – (x), choose the most correct answer from among the given alternatives and write its letter beside the item number in the answer sheet(s) provided.
 - (i) Suppose you want to carry out a field study on atmospheric conditions suitable for growth of cotton on a school farm. What are the basic weather components too be considered?
 - A. Rainfall and wind
 - B. Pressure and humidity
 - C. Moisture and sunshine
 - D. Rainfall and temperature
 - (ii) The Tanganyika District Meteorologists announce the temperature of Pwani 100m above the sea level is 29° C. What will be the temperature of Mpanda 800m above the sea level?
 - A. 24.8 °C
 - B. 32° C
 - C. 33.2° C
 - D. 4.2° C
 - (iii) Mr. Mayala is a Small scale animal keeper at Skonko Village. He has four cows and he normally uses a rope to tie them to the post at one and the other side being tied to the cow's leg. Which process is this?
 - A. Zero grazing
 - B. Normadism
 - C. Transhumance
 - D. Sedentary
 - (iv) Madam Hesa was passing through different streets going at home and then she saw bending of fences and trees around that area. This happens due to which mechanism?
 - A. Soil creep
 - B. Mudflow
 - C. Rock fall
 - D. Landslide
 - (v) Which one is a major environmental problems facing most of African cities?
 - A. Loss of biodiversity
 - B. Soil erosion
 - C. Air pollution
 - D. Deforestation
 - (vi) People of Bukoba District experienced shaking of crustal rocks which led to the destruction of properties and death of people. Where this shaking does originated inside the earth's crust?
 - A. At the epicenter
 - B. At the focus
 - C. At the seismic waves
 - D. At the fault
 - (vii) The boundary that separates the mantle and crust is termed as:

- A. Mohorovicic discontinuity
 - B. Gutenberg discontinuity
 - C. Conrad discontinuity
 - D. Atmosphere
- (viii) In de jue, one among the following can be done:
- A. People who stay in the household for the night are counted.
 - B. Is only done after five years.
 - C. Only permanent members of households are counted.
 - D. Only done after every ten years.
- (ix) The BBC broadcast channel is conducting an interview at Alaska 75° W at 7:30 PM Tuesday, at what time and day will the people in Katavi Region 45° E be listening to the interviewed?
- A. 9:30 PM Tuesday
 - B. 3:30 AM Wednesday
 - C. 12:30 PM Tuesday
 - D. 11:30 PM Wednesday
- (x) A feature you would not see in Tanga – Tanzania Amboni caves.
- A. Levees
 - B. Underground rivers
 - C. Natural pillars
 - D. Stalagmites

2. Match the item in Column 'A' with the responses in Column 'B' by writing the letter of the correct response beside the item number in the answer sheet(s) provided.

COLUMN A	COLUMN B
i) Is the arrangement of soil on the slope from the top to the bottom.	A. LEACHING
ii) Refers to the empty spaces between particles of the soil materials especially which is undistributed.	B. SOIL
iii) Is the vertical section from the surface to the parent rock characterized by distinct layers.	C. SALINIZATION
iv) Acidity or alkalinity used to determine the amount of hydrogen ions in the soil.	D. SOIL STRUCTURE
v) Is the arrangement of the soil particles into aggregate compound particles.	E. WEATHERING
vi) The process of washing down nutrients in the solution from	F. SOIL PROFILE
	G. SOIL POROSITY
	H. SOIL PH
	I. SOIL CATENA
	J. SOIL TEXTURE

top soil layer to subsoil layers.	
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SECTION B (54 Marks)

Answer all questions in this section.

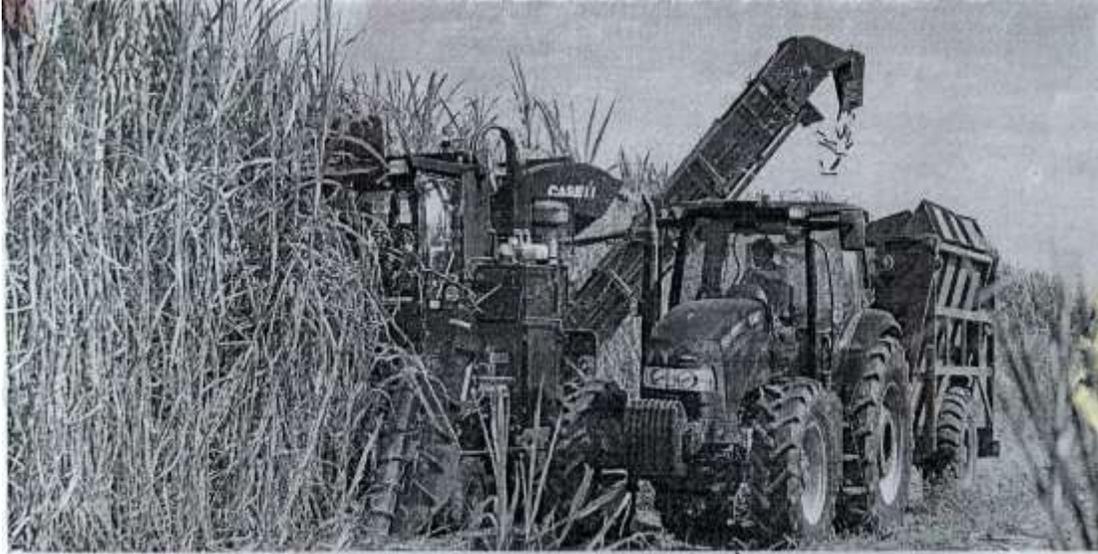
3. Carefully study the Map Extract of **SIKONGE (Sheet 137/2)** provided, then answer questions that follow below:
 - (a) Identify the type of rocks found on the mapped area.
 - (b) Give two main human activities that are taking place on the mapped area.
 - (c) Calculate the distance of the Dry weather road from grid reference 738828 to 759882.
 - (d) Describe a relief found on the mapped area.
 - (e) Describe the main two functions of the settlements found at the South West of the mapped area.

4. (a) Sir Baraka recorded the outcome of his student's performance in Geography weekly test as follows: 8, 22, 18, 16, 8, 4, 18, 10, 15, 16, 20, 16, 21, 4, 18, 13, 22, 12, 30, 23, 10, 20, 15, 6, 16, 8, and 2. Can you help Sir Baraka to find the following?
 - (i) Mean
 - (ii) Mode
 - (iii) Median
 - (iv) Range(b) With two examples, show the application of the statistical data in daily life at (a) above.

5. Lilian is working in women affairs institution. She decided to conduct a research on the effects of abortion on academic performance for girl students in Katavi Region. She selected only five schools to represent others and then ten girl students were chosen from each school to be used as samples under study.
 - (a) What will be the best research approach for her study?
 - (b) Name the sampling technique used by Lilian.
 - (c) Give two reasons for why Lilian decided to use sample in her research?
 - (d) State two uses of her research output.
 - (e) Suggest two constraints which possibly faced her collecting data.

6. If you are given a task to conduct a chain survey around your school compound. What are the main three procedures you would use to carry out the task?

7. Study the following photograph and answer the questions that follow:



- (a) Name the crop shown on the photograph.
 - (b) What is the activity taking place on the photograph?
 - (c) With one evidence, suggest the scale of production of the crop shown.
 - (d) List down two conditions necessary for the growth of the crop shown on the photograph.
 - (e) Outline two factors that might affect the quality of the photograph given.
8. (a) What is a river capture?
(b) With a well labeled diagram, show features formed in (a) above.

SECTION C (30 Marks)

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

9. Population distribution in Tanzania is unevenly. Elaborate this statement by using six points.
10. Most of places in Tanzania are facing the problem of rainfall shortage. You as Geography expert, explain six ways that can be applied to find the solutions for the existing problem mentioned.
11. Tanzania government currently is in construction of Standard Gauge Railway (SGR) from Dar es Salaam to Morogoro, Dodoma, Singida, Tabora, Kigoma and Katavi. As among Tanzanian youths, explain six benefits of such project to the young generation in Tanzania.