

THE UNITED REPUBLIC OF TANZANIA

DODOMA REGION

FORM FOUR MOCK EXAMINATION- 2023

013

GEOGRAPHY

Time: 3 Hours

August, 2023

**Instructions**

1. This paper consists of **eleven (11)** questions in sections A, B and C
2. Answer **all** the questions in sections A and B and **two (2)** questions from section C.
3. Map extract of **SIKONGE (Sheet 137/2)** is provided.
4. Unauthorized materials are not allowed in the examination room
5. Remember to write your **index number** on every page of your answer sheet(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 besides the item number.
  - (i) Anna and John were arguing on the type of rock which constitutes the largest proportion of the earth's crust. As a form four student what could you suggest?
    - A. Metamorphic rocks
    - B. Sedimentary rocks
    - C. Carbonic sedimentary rocks
    - D. Organically sedimentary rocks
    - E. Igneous rocks
  - (ii) Msemakweli saw two streams/ small rivers that are Msilewe river and Mgongo river joining into Ruaha river, what is the geographical name of the two small rivers?
    - A. Tributaries
    - B. Perennial rivers
    - C. Distributaries
    - D. Nile river
    - E. Watershed
  - (iii) Manchester United team scored a goal at 5:00 pm in England ( $15^{\circ}$  W). At what at Dar es Salaam ( $45^{\circ}$ E) the goal was scored?
    - A. 1:00 pm
    - B. 7:00 pm
    - C. 9:45 pm
    - D. 9:00 pm
    - E. 6:30 am

(iv) Recently in Chile, the land with vegetation was sliding down a slope and people were busy taking photographs and wondering to the situation. Tell them what type of geological process was taking place

- A. Erosion and deposition
- B. Denudation and transportation
- C. Land slide and erosion
- D. Mass wasting and transportation
- E. Landslide and deposition

(v) Which of the following layer of the earth's interior is made up of sial and sima?

- A. Biosphere
- B. Hydrosphere
- C. Asthenosphere
- D. Lithosphere
- E. Barysphere

(vi) Siwema want to carry out a field study on the atmospheric conditions suitable for growth of maize on a farm village. What are the best weather components to be considered?

- A. Rainfall and wind
- B. Rainfall and cloud cover
- C. Moisture and sunshine
- D. Rainfall and temperature
- E. Pressure and humidity

(vii) During dry seasons most plants shade their leaves as a way to reduce the amount of water release. The correct term for this process is:

- A. Evaporation
- B. Precipitation
- C. Transpiration
- D. Condensation
- E. Infiltration

(viii) The rocks which do not allow water to pass through them are said to be:

- A. Water table
- B. Sand stones
- C. Porous
- D. Impermeable
- E. Rock Debris

(ix) Mr. Bukuku was wondering how fragments are worn out during collision against each other at Pangani river during rainy season. His son told him that the process is known as

- A. Hydraulic action
- B. Attrition

C. Abrasion  
 D. Corrosion  
 E. Hydrolysis

(x) The Maasai around Oldonyo Le Ngai Mountain were wondering the way the mountain was ejecting fire and smoke. They believe that the mountain was possessed by bad evils. Tell them what geological process that was taking place  
 A. Volcanic eruption  
 B. Tectonic movements  
 C. Mass wasting  
 D. Fire from God  
 E. Faulting

2. Match the question statement from **List A** and its answer from **List B** write its letter on your answer sheet.

<b>LIST A</b>	<b>LIST B</b>
(i) A low laying area of land formed at a river mouth.	A: Oasis
(ii) Is a tributary in a lower course of the river that have been forced to flow alongside the main stream for long distance before joining it	B: River capture
(iii) Depression contain water in the desert	C: Ozone layer
(iv) A stream that lost headwaters and has been reduced in volume to become small in valley	D: Ox-bow lake
(v) An old meander which cut off as material deposited by the river to leave water apart from the main stream	E: Delta
(vi) Is the land drained by a river and its tributaries.	F: Flood plain
	G: Yazoo stream
	H: Misfit
	I: River – bank
	J: Watershed

### SECTION B (54 Marks)

Answer **ALL** questions this section

3. Study the map extract of **SIKONGE (sheet 137/2)** and then answer the following questions:

- Using the given RF scale, determine the length of the road in kilometers from grid reference 740829 to grid reference 760881.
- Determine the area at the right hand side of the northing 800 in  $\text{Km}^2$
- With examples, name two (2) ways used to show height of the land on the mapped area.

d) Under what climatic region the mapped area found?

4. Carefully study the table below showing food crops production in 2023 and then answer the questions that follow.

Crop	Production in tonnes
Maize	90,000
Rice	65,000
Potatoes	50,000
Beans	40,000
Wheat	20,000
Sugar	20,000

a) Draw a pie chart

b) Name two other methods which can be used to represent data

c) Give two disadvantages of the method above

5. Mr. Pompei was directed with TANAPA to investigate on the rapid increase on water weeds in some rivers inside the park. Before doing actual research, he decided to pass through various written documents.

a) Name the activity conducted by Mr. Pompei before actual research.

b) What was the importance of activity named in (i) above (four points)

c) What will Mr. Pompei prepare before his actual field research (four points)

6. Gamboshi district is planning to invite a survey team to help it determine the length of the Nyashimo to Ngasamo road.

a) What survey technique does the team was decided to use?

b) Draw three (3) equipments the team can use in the survey.

c) List five (5) objectives of land survey

7. Study the photograph provided below and then answer the question that follows:



- a) Name the feature shown on the photo given
- b) How does the feature in (a) above formed?
- c) Mention any three (03) examples of feature mentioned in (a)
- d) List three (03) economic importance of the feature

8. Draw and label eight (8) features of ocean floor.

**SECTION C (30 Marks)**  
Answer **two (02)** questions from this section.

9. Explain six (6) challenges facing green tourism in Tanzania.
10. Mangare's grandmother used to cultivate many crops in a small area using local seeds, a hand hoe and manure. She is now blaming that in five years the harvests are poor. She is complaining that her neighbours are the ones causing it. With six points, explain to her how she can improve her farming system.
11. Urban development is a new threat to our environment beauty. Discuss