



THE UNITED REPUBLIC OF TANZANIA
MINISTRY OF DEFENCE AND NATIONAL SERVICE
MILITARY SCHOOLS ASSOCIATION



FORM FOUR PRE NATIONAL EXAMINATION

013

GEOGRAPHY

TIME: 3:00 Hours

05th AUGUST 2026

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 writings must be in **blue** or **black** ink except drawings which must be in **pencil**
5. Map extract of **MKOMAZI (sheet 109/01)** is provided
6. Programable calculators, cellular phones and any unauthorized 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 from this section

1. For each of the items (i) – (x), choose the most correct answer from among the given alternatives and write its letter in the answer sheet /booklet provided
 - (i) Why does the sun appear larger than other stars that are seen at night?
 - (a) The capacity of our eyes does not view for during the night
 - (b) Starlight bends as it passes planets
 - (c) The earth's atmosphere filters out light from other stars
 - (d) The day light brightens the sun making it appear larger
 - (e) The sun is closer to the earth than other stars
 - (ii) If the temperature of Dar es Salaam at 100m above sea level is 30°C. Identify the temperature of Moshi at 3200m above the sea level.
 - (a) 30°C
 - (b) 29°C
 - (c) 10.8°C
 - (d) 11.4°C
 - (e) 19.2°C
 - (iii) Form six students of Maliangumu Secondary school were taught that the Southern Tourist circuited centre in Tanzania promotes ecotourism. Which of the following is not encouraged in the promotion of ecotourism in the area?
 - (a) Discouraging forest fire
 - (b) Environmental conservation
 - (c) Afforestation
 - (d) Coastal degradation
 - (e) Protecting endangered species
 - (iv) Ngotho and Kamau observed the rain water which penetrate in the ground during the rain season. Which form describe that process.
 - (a) Evaporation
 - (b) Evapotranspiration
 - (c) Infiltration
 - (d) Condensation
 - (e) Precipitation
 - (v) Msemu is working in soap and toothpaste manufacturing industry as a machine operator. In which type of Industry does he work among the following?
 - (a) Food processing industry
 - (b) Meteorological industry
 - (c) Chemical industry
 - (d) Craft industry
 - (e) Beverage industry
 - (vi) Tourists from Katoro in Kagera region visited Amboni cave. They were excited to see mass of limestone deposits that hang from the roof of the cave. Which features did they see?
 - (a) Stalagmites
 - (b) Stalactites
 - (c) Polje
 - (d) Natural pillar
 - (e) Uvala

- (vii) When agricultural officer visited in our farm said that “This soil has high ability to support plant growth and produce high yield” Which form relates with that statement?
- (a) Soil PH (c) Soil porosity (e) Soil water
(b) Soil fertility (d) Soil shape
- (viii) France National Team scored a goal at 2:00Pm in France (150°W) on Tuesday. At what time and day at Tanga (30°E) the goal was scored?
- (a) 2:00 AM Wednesday
(b) 4:00 AM Tuesday
(c) 10:00 PM Tuesday
(d) 12:00 AM Friday
(e) 10:00 AM Wednesday
- (ix) Form four students at Kigongo secondary school had a chance to visit Southern Highlands of Tanzania where they observed many river valleys among other features. Which of the following features is formed in the upper stage of a river?
- (a) Yazoo stream (c) Flood plain (e) Interlocking spars
(b) Delta (d) Ox – bow lake
- (x) Despite its importance, airport activities are contributing to the environmental pollution. Which type of pollution it generates?
- (a) Soil and water pollution
(b) Air and soil pollution
(c) Noise and air pollution
(d) Radiation and noise pollution
(e) Air and radiation pollution

2. Match the items related to Rock formation in **List A** with responses in **List B** by writing the letters of the correct response beside item number of the answer sheet(s) provided

LIST A	LIST B
(i) The process in which sediments are formed due to disintegration of igneous rock	A. Metamorphism B. Deposition C. Weathering
(ii) Metamorphic rock changes into magma which can erupt again to form igneous rock	D. Lithification E. Rock cycle F. Rock structure
(iii) The process in which either igneous or sedimentary rock undergo changes due to influence of heat and pressure.	G. Granite rock H. Melting I. Crystallization J. Evaporation
(iv) Sedimentary are accumulated, compacted and cemented for a long time to form sedimentary rocks	

(v)	Igneous rocks are formed through cooling and solidification of magma	
(vi)	Natural process in which rocks tend to change from one type to another	

SECTION B (54 Marks)

Answer **all** questions in this section

3. Study the map extract of **Mkomazi (sheet 109/1)** and then answer the following questions.
 - (a) By using the given scale, measure the distance of river Pangani in Kilometers from grid reference 910771 to 910826
 - (b) Describe relief of the area
 - (c) With reasons, identify two types of rocks found in the map
 - (d) Name the major ways used to show the height of the land in the mapped area
 - (e) Using a vertical scale of 1cm to represent 50m, draw an annotated cross section from grid reference 960820 to 910880 and mark Ruvu river basin and the main trucks

4. People living in areas close to mountains or hill slopes experience frequency down slope movements of rock or soil. Recently it happened at Kateshi in Manyara region, Mbeya region and some parts of Tanzania
 - (a) Describe the geographical phenomenon above
 - (b) In four (4) points show the determinants of mentioned geographical phenomenon
 - (c) In four (4) points explain the environmental effect of the (a) above

5. Mr. Lupumbwe has been engaging in rice cultivation at Usangu village for six years. The production has been varying in each year as follows in 2000 he produced 80 tones, in 2001: 360 tones, in 2002: 230 tones, in 2003, 280 tones, in 2004: 310 tones and in 2005: 275 tones
 - (a) Present the given data by using simple bar graph
 - (b) Suggest two (2) reasons for variations of the production of the crop
 - (c) Which other methods can be used to represent the same data given above (any two)
 - (d) Outline two (02) demerits of using this method of presenting data

6. Madude is studying in boarding school at Kyela but his home place is in Mbalali District where he used to observe several conflicts between farmers and pastoralists. In his second week in school, he heard through the Radio that, a farmer was killed by the pastoralist in his home village. He decided to conduct research about the conflict
- (a) Suggest the statement of the problem for his research
 - (b) Identify two sources of that research problem
 - (c) Elaborate three possible research tools he would use during data collection
 - (d) Explain three significances of conducting that research
7. One day Bahari was travelling to Mwanza, when he reached at Mwabaruhi, a small village in Shinyanga region, he saw a road engineer carrying a chain, arrows, note book, pencil, pegs and cross staff ready for road construction
- (a) Describe the method of survey that was conducted by the road engineer
 - (b) Explain three (3) kinds of obstacles that may hinder the survey process
 - (c) Identify three (3) sources of mistakes that may occur during the survey process
 - (d) Explain two (2) significances of the type of survey method mentioned at (a) above conducted by the road engineers
8. Study the photograph below then answer the questions that follows



- (a) Mention three (3) natural resources found in the area
- (b) Mention two (2) importance of any two natural resource you have mentioned in (a) above

- (c) Describe the land use in the area
- (d) Outline two (2) disadvantages of the activity mentioned in (c) above

SECTION C (30 Marks)

Attempt any **two (2)** questions from this section

- 9. The people of Tanzania conduct different activities to sustain their socio – economic needs for their daily life. However, some activities have negative impacts on the environment. With six (6) facts, support this statement.
- 10. Climate has led to a significant influence on the current expansion of human activities. Using six points explain the importance of studying climatic conditions of the world.
- 11. The community development officer of Iringa region visited citizen of Mufindi district to see their development progress. In some areas he found large number of people while in other areas he found few people. As a form four student analyze six (6) physical factors influencing the situation observed by the community development officer.