



THE UNITED REPUBLIC OF TANZANIA  
PRESIDENT'S OFFICE –REGIONAL ADMINISTRATIVE AND LOCAL GOVERNMENT  
**NJOMBE TOWN COUNCIL**



**OPENING EXAMINATIONS FOR NJOMBE TC SECONDARY SCHOOLS**  
**GEOGRAPHY-FORM FOUR**

**013**

**APRIL 2023**

**INSTRUCTIONS:**

1. This paper consists of section A, B and C with total of **eleven (11)** questions
2. Answer **all** questions in section A and B and any **two (2)** questions from section C
3. Map extract of **TANZANIA MPWAPWA (Sheet 163/4)** is provided
4. Programmable calculators, cellular phones and unauthorized materials are **not** allowed in the examination room
5. Write your **examination number** on every page of your answer sheet(s)

**SECTION B (16 Marks)**

Answer **all** questions in this section

1. For each of the items (i) – (x), choose the correct answer from the among the given alternatives and write its letter beside the item number in the answer sheet (s) provided.
  - i. A standard seven pupil asked his from four brother on what lead to occurrence of four seasons of the year. If you were the one asked, what would be your response?

A. Earth's eclipse	D. Earth's revolution
B. Solar eclipse	E. Gravitational force
C. Moon's eclipse	
  - ii. Tanzanian government has a tendency of conducting her censuses after every ten years. What type of census does Tanzania conduct under this criterion?

A. De facto census	D. Quinquennial census
B. De jure census	E. National census
C. Decennial census	
  - iii. Mr. Mwakanyamale was wondering to see rain water disappearing into the ground immediately after the rain had stopped. Identify the process which was taking place.

A. Evaporation	D. Condensation
B. Infiltration	E. Percolation
C. Transpiration	
  - iv. It is believed that NMB Bank is a bank of all Tanzanians since it is available almost all over the country. Under which category of activities, the services provided by this bank belong?

A. Primary activities	D. quaternary activities
B. Tertiary activities	E. quinary activities
C. secondary activities	
  - v. In school farm, a certain geography teacher asked his form three students to rub the soil between their fingers. Which physical property of soil the teacher wanted to teach his students?

A. Soil pH	D. Soil density
B. Soil profile	E. Soil air
C. Soil fixture	

- vi. Bukoba district in Kagera experiences two peaks of high rainfall with no dry season throughout the year. To which climatic region does Bukoba belong?
- A. Monsoon region  
B. Tropical region  
C. Mountainous region  
D. Equatorial region  
E. Tundra region
- vii. Djuma left his farm for three consecutive years to let it regain fertility. What agricultural practice was that?
- A. Bush fallowing  
B. Shifting agriculture  
C. Arable farming  
D. Mulching  
E. Polyculture
- viii. The time difference between Dar-es- salaam in East Africa and Dakar in Accra Ghana is 6 hours and 40 minutes what is longitudinal difference between these two places?
- A.  $90^{\circ}$   
B.  $80^{\circ}$   
C.  $100^{\circ}$   
D.  $45^{\circ}$   
E.  $60^{\circ}$
- ix. Four students had a tour to Sahara Desert where they saw the vast desert surface covered by stones such as boulders, pebbles and gravels. What type of desert was that?
- A. Erg  
B. Reg  
C. Badlands  
D. Hamada  
E. Koum
- x. From the 1<sup>st</sup> June 2019 Tanzania joined other 34 African countries in banning the use of plastic bags and introduced the regulation governing that ban. According to regulation introduced; a person who is storing, supplying and distributing plastic bags is Tanzania, the fine is between
- A. TZS 5000 000 up to TZS 20 000 000, or up to 2 years of imprisonment, or both  
B. TZS 5000 000 up to TZS 50 000 000, or up to 2 years of imprisonment, or both  
C. TZS 20 000 000 up to TZS 1 billion, or up to 2 years of imprisonment, or both  
D. TZS 100 000 up to TZS 500 000, or up to 3 months of imprisonment, or both  
E. TZS 30 000 up to TZS 200 000, or up to 7 days of imprisonment, or both
2. Match the items in Column A with responses in Column B by writing the letter of correct responses beside the item number

COLOMN A		COLUMN B
i.	Feeling-off of outer layers of rock due to alternative expansion and contraction caused by temperature changes	A. Mechanical weathering
ii.	Rock disintegration caused by actions of plants and animals	B. Biological weathering
iii.	Some rocks disintegrate by releasing rock grains as they have different capacity to withstand heat	C. Denudation
iv.	A process resulting to formation of new types of rocks when water combines with minerals of an existing rock	D. Erosion
v.	Removal of rock debris from one area to another caused by wind, water or waves	E. Mass wasting
vi.	The movement of weathered materials down a slope under the influence of gravity	F. Oxidation
		G. Exfoliation
		H. Hydrolysis
		I. Granular disintegration

### SECTION B (54 Marks)

Answer **all** questions in this section

3. Study carefully the map extract of TANZANIA MPWAPWA (sheet 163/3) and then answer the questions that follow

- a) By using grid square method, calculate the area Covered by forest and give the answer in km<sup>2</sup>
  - b) Comment on the nature and type of transport system found in the mapped area.
  - c) Give the trend and alignment of the railway line from the easting 110 to easting 160
  - d) By providing evidence from the map, identify three human activities taking place in the mapped area.
4. The marks in Geography terminal examination obtained by 40 students in one of the secondary schools in Tanzania were as follows: 66, 87, 79, 74, 84, 72, 81, 78, 68, 74, 80, 71, 91, 62, 77, 66, 87, 72, 80, 77, 76, 83, 75, 71, 83, 67, 94, 64, 82, 78, 77, 67, 76, 82, 78, 88, 66, 79, 74, 63.
- a) Prepare the frequency distribution table with the lowest class interval of 60 – 64
  - b) Calculate
    - i. The mean
    - ii. The median
  - c) Giving reason(s), identify the modal class
  - d) Give two advantages of mean
5. Jamila wants to produce a contoured map of Wanging’ombe district, but she lacks surveying knowledge to accomplish her task
- a) What type of survey method would you advise her to apply?
  - b) Identify and explain three tools that will be needed in her task
  - c) Describe two methods that Jamila will use to determine heights of points in the field
6. Malindimya intended to conduct research on Effect of Rice Production on Environment in Ubaruku Hamlet in Mbalali district. Before starting his research, he visited the area of study.
- a) What is the geographical term referring to act of visiting the area of study?
  - b) Why Malindimya had to visit the area of study before actual research? (Give three reasons)
  - c) Briefly explain three methods that Malindimya would use to collect the data from the study area
7. Form three students from Mtakuja secondary school had a tour to Pangani River Basin. While there, they were impressed to see a crescent-shaped body of water formed in a flood plain of River Pangani. As student with clear knowledge about the phenomena:
- a) Identify the name of the feature that the students saw
  - b) In which stage of the river, the feature identified in (a) above is likely to form? Why?
  - c) Illustrate four stages that guide the formation of the feature identified in (a) above.
8. Carefully study the following photography and answer the questions that follow



- a) By giving two evidences, identify type of the given photograph
- b) With evidence, give one economic importance of the photographed area
- c) Identify the relief feature in the background of the photograph and explain its formation
- d) Briefly explain three factors that affected the quality of the given photograph

### **SECTION C (30 marks)**

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

9. Suppose you have been appointed as the minister of agriculture, livestock and fisheries; then you are invited to give a speech to the public on how the small-scale farmers can conserve soil. Explain the possible soil conservation techniques that you would address in your speech (six points)
10. “Some societies believe that having a large number of children in a family is a source of labor force.” Argue against this statement by using six points
11. The world is currently suffering from the fate of human hands in the course of climate change which have direct impact to human life and the environment. With vivid examples, examine six environmental problems associated with climate change in developing countries