

PRESIDENT'S OFFICE
REGIONAL ADMINISTRATION AND LOCAL GOVERNMENT
KIBAKHA TC, BAGAMOYO DC AND KINONDONI MC.
(KIBAKI)



FORM FOUR JOINT PRE-NATIONAL EXAMINATION, 2023

CODE:013

GEOGRAPHY

Time: 3 Hours

Year:2023

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 any two (2) questions from section C
3. Cellular phones and unauthorized materials are not allowed in the examination room
4. All writings should be in blue and black ink **EXCEPT** for drawing which should be in pencil
5. Write your **Examination number** on every page of your answer booklet (s).

SECTION A (16 MARKS)

Answer all questions in this section

1. Choose the correct answer among the following alternatives given.
- i) Kichwangumu is a geologist from Ardhi University, he conducted simple research on rocks in Egypt. In his research, he observed that some rocks disintegrated due to accumulation of some crystals at the rock joints as a result of water evaporation. What is the geological process he observed?
- A. Salt crystallization
B. Block disintegration
C. Exfoliation
D. Frost action
E. Pressure release
- ii) The USA president addressed people about COVID-19 disease at 6:00 pm at (120°W, 30°N). At what time will the Tanzanian president at (30°E, 35°N) hear USA president's speech?
- A. 10:30 pm
B. 4:30 pm
C. 7:00 pm
D. 4:00 am
E. 10:00 am
- iii) Earth quake in Turkey in February 2023 led to high destruction of the infrastructure and more than 50,000 deaths. Which earthquake measurement describes best such kind of damage?
- A. Magnitude
B. Seismic waves
C. Intensity
D. Body waves
E. Surface waves
- iv) Nyamuntu visited her grandparents last year who live in Singida region. She observed them left a piece of land not cultivated until next for the reason to regain its fertility season while the other one is cultivated. Which of the farming system did Nyamuntu observe?
- A. Subsistence farming
B. Bush fallowing
C. Zero farming
D. Crop rotational farming
E. Shifting cultivation
- v) Students from Kibaha secondary school went to Kilimanjaro for study tour for the aim of climbing Mount Kilimanjaro. At the foot of the mountain which was at 700m from the sea level, they noticed the temperature of 25°C. What will be the temperature when they reached at the Kibo peak 4500m above the sea level?

A. 22.2⁰C

C. 0⁰C

E. 2.2 ⁰C

B. 22.8⁰C

D. -2.2⁰C

vi) As a knowledgeable form four student, help your young form one student to understand that places on east of Greenwich experience sunrise before places on west of Greenwich because the earth;

A. Rotates from the east to the west

B. Is very close to the sun

C. Revolves around the sun

D. Rotates from the west to the east

E. Is very far from the west

vii) Jiskaka visited the coastal area of Zilinipa in Madagascar last year. While he was there, he observed a mass of accumulated sand that joins a coast and the offshore island. How would you help him to identify the type of the feature that joins two landmasses?

A. Spit

C. Beach

E. Cuspate spit

B. Tombolo

D. Off show island

viii) Mwampenja is a Meteorologist who works in weather station. In his daily activities, he discovered that air becomes warmer as the altitude increases. Describe the atmospheric conditions that he experienced.

A. Air condition

C. Environmental lapse rate

B. Temperature inversion

D. Wet adiabatic lapse rate

E. Dry adiabatic lapse rate

ix) Mr. Sakatonge wanted to conduct the research about the poor agricultural production in his village. As he started the research, he was obliged to identify the needs of the society in one of his stages. At which stage of the research do such needs need to be identified?

A. Problem identification

C. Data collection

B. Data presentation

D. Hypothesis formulation

E. Report writing

- x) Farmers at Mwanalugali village invited the agricultural officer to give knowledge on the kind of good soil for growing maize one of the criteria for such soil was the one with proportional mixture of sand, clay and silt. Assume you are the one invited, what would you tell the farmers about the type of the soil needed.

A. Wet soil
B. Clay soil

C. Loam soil
D. Sandy soil

E. Volcanic soil

2. Match the items of the list A with correct response in list B by writing the letter of the answer in booklet.

LIST A	LIST B
i) It refers to the extinction of the entire species or decline in its large number on earth.	A. Poaching
ii) It leads to death of aquatic life mainly attributed by oil leakage from tankers or pouring of chemicals into water resources.	B. Glob warming
iii) It is one of the major impacts of deforestation making the area arid, not supporting life and less productive.	C. Desertification
iv) It refers to the decline in the quality of land due to soil erosion, land pollution and deforestation.	D. Water pollution
v) It can interfere with people's mental work, leading to loss of hearing and disrupt learning.	E. Environmental pollution
vi) It involves illegal killing of animals such as elephants, rhinos etc.	F. Loss of biodiversity
	G. Land degradation
	H. Deforestation
	I. Soil erosion
	J. Noise pollution
	K. Land pollution

SECTION B (54 Marks)

Answer all questions in this section

3. Earthquake mostly affects some common areas such as along California in USA, in Haiti, Japan, Kagera in Tanzania, along mid Atlantic oceanic ridge etc. As the geologist provide **four** major earthquake belts in the world.

4. Study the map extract of **TABORA (sheet 118/2)**, then answer the questions that follow:
- a) How can you justify the dominant climatic conditions over the mapped area? **(two evidences)**
 - b) What do you think might have influenced the mapped area to have such layout of settlement? **(two points)**
 - c) Kakobe was travelling with the train from grid reference 830380 to grid reference 810445, but he realized that he got lost. He started to return back to exactly location at grid reference 824420. How long did Kakobe cover?
 - d) With evidences from the map, show how people in Tabora mapped area get their social welfare. **(two points)**
5. A surveyor with his team were measuring the size of a certain field in tropical region. They started the survey during the morning, as the time went on they found that one among the instruments brought wrong measurements at noon. They decided to stop doing the survey and a surveyor ordered the team to proceed later in that evening.
- a) Which instrument was involved in such wrong measurement? And state its function
 - b) What would be the possible cause of such problem?
 - c) Explain the method that was used by the surveyor with his team in taking measurements.
 - d) Explain how the above method is essential in daily life?
6. Carefully study the table below that shows the export of agricultural products in tonnes form 2019 2021, then answer questions that follow:

Year/commodity	2019	2020	2021
Maize	12,000	500	10,000
Fruits	900	700	12,000
Coffee	3,000	5,000	7,000

- a) Graphically, show how you would present the given data in a comparative bar graph.
 - b) Show how the method can be profitable and non-profitable to statisticians.
(two points from each side)
 - c) Which are other three methods that can use the same nature of data in their presentation?
7. Mr. Magazine was invited by the human resource manager for more oral interrogation as the response to the application of the teaching vacancy that he applied. When he arrived in the Human Resource Manager's office, he was asked several questions about his competence in teaching process.
- a) Which method of research did human resource manager use to get the information from Mr. Magazine?
 - b) Which are its major two types of the method used in (a) above?
 - c) Show how the method used in (a) above, is the best and worst among other methods of getting information. **(three points from each side)**
8. Henerick is a geography teacher at Shibolya secondary school. He gave form three students a photography showing the plantation taken at an elevated angle of 65° towards the plantation. As one among the students you are required to answer the questions related with the photograph given. Such questions were as follows:
- i) Which type of the photograph was given to students?
 - ii) Is the type of the photograph given used for map making?
 - iii) What are its three properties of the photograph given?
 - iv) Is there any difference between the type of the photograph given and the vertical photograph? If any provide four points

SECTION C: (30 MARKS)

Answer only **two (2)** questions in this section

9. Some areas such as at Kakonkwo in Kigoma, Tandahimba in Mtwara etc. are not easily reachable on time making suppliers to fail in transporting various goods to such all parts of the country that might be due to poor construction of such means of transport. As a geographer suggest what should be done to address the challenges facing the sector in Tanzania. **(Provide six points)**

10. Most of sub-Saharan countries enhance their people to have few numbers of children and by spacing one birth after another in reasonable interval of at least four to five years as the approach to combat rapid population growth. As a form four student, how far is the demographic phenomenon a disaster in such countries?
11. In the past, the number of wild animals was quite large with high availability of plant species since they were ensured of their survival with the nature. However, due to the increase in human population with increase of man's activities, the number of animals and plant species declines gradually. Which measures has the Tanzanian government taken in order to rescue such a challenge?
(Provide six points)