

Candidate Number.....



THE PRESIDENT'S OFFICE – RALG
TAHOSSA ROMBO DISTRICT EXAMINATION SYNDICATE
FORM FOUR MOCK EXAMINATION



013

GEOGRAPHY

TIME: 3:00 Hours

August, 2023

Instructions

1. This paper consists of sections **A, B** and **C** with total of **Eleven (11)** questions.
2. Answer all questions in Section **A** and **B** and any **two (02)** questions from section **C**
3. Section A carries **sixteen (16)** marks, Section B carries **fifty-four (54)** marks and Section C carries thirty **(30)** marks
4. Map extract of **Mbeya Sheet 244/4** is provided.
5. Programmable Calculator and Cellular phones are not allowed in Examination room.
6. Write your **Examination number** on every page of your answer sheet.

FOR ASSESSOR'S ONLY		
QUESTION NUMBER	SCORE	MARKER'S INITIALS
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
TOTAL		
CHEKER'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 the given alternatives and write its letter beside the item number in the answer sheet provided.
- i) Lesotho is a country crossed by the tropic of Capricorn, when the country experiences the overhead sun.
A. 21st March – spring equinox
B. 23rd September – autumn equinox
C. 22nd December – summer solstice
D. 22nd December –winter solstice
E. 21st June – winter solstice
- ii) Always there are interaction between land and water bodies, which feature formed when the part of the ocean water penetrates the land.
A. A cape
B. Trait
C. Peninsular
D. Gulf
E. Isthmus
- iii) A type of mechanical weathering known as exfoliation is mostly active:
A. In limestone area
B. In hot humid region
C. In arid region
D. In high altitude
E. In polar region
- iv) Shirima visited the lower section of Pangani river and observe various features in the river course, which features among the following might be observed by Shirima?
A. An ox-bow lake, U-shaped valley and Truncated spur
B. Meander, Gorge and U- shaped valley
C. Meander, Plunge pool and flood plane
D. Braided river, Distributaries and Delta
E. Braided river, Distributaries and U-shaped valley
- v) Mr. Chama is a small-scale animal keeper at Sokoni village, he has four cattle and he normally use a rope to tie them to the post at one end and the other side being tied to the cattle leg. Which method is this?
A. Zero grazing
B. Nomadism
C. Transhumance
D. Sedentary
E. Ranching
- vi) As you move from the equator towards to the northern or southern pole, where you can find tall grasses and scattered forest?
A. Congo basin
B. Ghana
C. Egypt
D. Southern Sudan
E. Nigeria
- vii) Suppose you want to carry out a field study on atmospheric condition resulted to poor harvest of maize in the village farm. Which stage will be after the identification of the problem?
A. Literature review
B. Pre-survey
C. Hypothesis formulation
D. Reconnaissance
E. Sampling

- viii) The TBC broadcast channel conducting an interview at Kilimanjaro region 45° E at 3:30am Wednesday at what time and day will the people in the Gulf of Alaska 75° W being listening to the interviewed?
 A. 9:30pm Tuesday
 B. 7:30pm Tuesday
 C. 3:30pm Wednesday
 D. 7:30pm Wednesday
 E. 1:30pm Tuesday
- ix) Mayele’s family had a holiday visit to Kalahari Desert, which crescent shaped deposition feature might be observed by his beloved daughter Nasma?
 A. Seif dunes
 B. Barchans
 C. Zeugens
 D. Yardangs
 E. Rock pedestals
- x) After the closing of school, Rona and his sister visited their uncle living in Kyela, they found their uncle is transplanting seedlings to the wet land, what is the type of the crop transplanted?
 A. Maize
 B. Sunflower
 C. Rice
 D. Sorghum
 E. millet

2. Match the concept in column “A” with the response in column “B” by writing the letter of the correct response beside item number in the answer sheet provided.

LIST A	LIST B
(i) Rock formed when magma solidifies deep in the crust and can be exposed on the Earth’s surface by agents of soil erosion	A. Crystalline rocks
(ii) Rock formed when molten magma cools and solidifies inside the rocks of the Earth or the surface of the Earth	B. Igneous rocks
(iii) Rocks formed as a result of deposition and compaction of remains of dead plants and animals	C. Coal
(iv) Rock formed when different types of rocks are subjected to great heat and pressure.	D. Organic sedimentary rocks
(v) Rocks formed when sediments are deposited either by wind, water or ice.	E. Intrusive volcano rocks
(vi) An example of rock formed when plants, shells and bones are compressed under pressure.	F. Extrusive volcanic rocks
	G. Metamorphic rocks
	H. Gypsum
	I. Sedimentary rocks

SECTION B (54 Marks)

Answer all questions

3. Carefully study the map extract of Mbeya (sheet 244/4) and answer the questions.
- Calculate the area covered by the map, south of the rail line.
 - Find the bearing and direction of Mbowe grid reference 505186 from Luwanda grid reference 535158.
 - If the car has to move to and from as from grid reference 420130 to 475150, what is the total actual ground distance covered by the car?
 - State three main function of the settlement in grid reference 476176

4. The following are data of standard seven pupils who didn't qualify for joining form one last year from district X: 2,7,9,2,3,4,7,8,9,5,2,5,6,2,12,5,17,18,29,23,13,8,25. From the data:
- Group the data in the interval of 0 – 4
 - Calculate the standard deviation
 - Write short notes on:
 - Mean
 - Median
 - Mode
5. Masanja's father got a disability caused by a road accident, it makes his son to conduct a study on the causes and effects of road accident.
- Write two possible research tools he will apply in data collection.
 - Differentiate the tools mentioned above.
 - Explain three groups of people who will be respondents of his study.
 - Apart from personal experience to the study above, name any other two source of research problem to his study.
6. Survey plays a great role in construction of Mwalimu Nyerere hydroelectric power plant, during surveying process surveyor encountered errors which can be accidentally or due to laziness hence distraction of construction structures.
- Write down three common errors in survey
 - What should be done to avoid errors in chain survey? (Four point.)
 - Name the modern instrument used to replace the old techniques of land survey.
7. Junior was inside the house where he observed sudden shaking of the floor due to the vibration of the earth's surface caused by natural tones operating beneath the Earth's crust. Answer the following questions.
- Name the environmental hazard experienced by Junior?
 - What is the instrumental used to measure the intensity of the hazard named in (a) above?
 - Briefly explain the four causes of the hazard in (a) above.
 - Describe three (3) effects of the Hazard named in (a) above
8. Carefully study the photograph below then answer the questions that follow:



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- a) With two reasons name the type of photograph
- b) Identify what is seen at the fore ground of the photograph.
- c) With TWO evidences from the photograph suggest the economic activity that might be taking place in the area.
- d) With evidence at what time the photograph was taken?
- e) Mention any two advantages and two disadvantages of the activity mentioned in (c) above.

SECTION C (30 MARKS)

Answer two (02) questions from this section

9. “Despite of the fact that road transport causes a lot of accidents in Tanzania, most Tanzanians prefer road transport to Air transport”. With **six** points justify this statement.
10. Tanzania government establish different projects to ensure enough supply of electric power, explain six potentialities of those projects.
11. Biodiversity is very important to the environment. Using six points, examine three, cause and effect of loss of biodiversity.