

**PRESIDENT'S OFFICE
REGIONAL ADMINISTRATION AND LOCAL GOVERNMENT
GAIRO DISTRICT COUNCIL
FORM FOUR JOINT EXAMINATION - 02
GEOGRAPHY**

013

17TH MAY 2023

Time 3:00 Hrs (pm)

INSTRUCTIONS;

1. This paper consists of sections A, B and C with total of ten (10) questions
2. Answer all questions in sections A and B and any two questions from section C
3. Map extract KIGOMA sheet 92/3 is provided
4. Write your examination number on every page of your answer sheet(s)

SECTION A (15 Marks)

Answer all questions from this section

1. For each of the item (I – x) choose the most correct answer from among given alternatives and write its letter besides the item number in the answer sheet provided
 - i. Mr. Kifaro wanted to dig dam for the purpose of obtaining water for his goats and garden during dry season, but he did wrong and dug on the area with the rocks which allow further percolation of water. As skilled geography student, do you think Mr. Kifaru dug his dam on which type of rocks
 - A. Permeable rocks
 - B. Hard rocks
 - C. Impermeable rocks
 - D. Soft rocks
 - E. Igneous rocks
 - ii. Rockie is form three student at A. M SHABIBY SEC SCHOOL, he was ordered by his geography teacher to demonstrate measurement of a road which is having a number of meanders. Which instrument would you advise him to use?
 - A. Thread
 - B. Ruler
 - C. Pair of divider
 - D. Arrow
 - E. Peg
 - iii. Mr. Wanogile visited lower section of the RUAHA River found in Iringa and he witnessed a number of physical features. Which among the following are the best example of the features observed by Mr. Wanogile?
 - A. Ox-bow lake, u-shaped valley and interlocking spur
 - B. Flood plain, natural levee and delta
 - C. Bluffs, pot holes and plunge-pool
 - D. Rapid, waterfalls and v-shaped valley
 - E. Arête, braided river and meanders.

- iv.** The world nowadays experiences an increase of temperature which is caused by both natural and human activities. If the ozone layer would perform its functions for about 100%, probably temperature wouldn't increase in the world. What do you think among the following is the major function of ozone layer?
- A.** Blocking meteors from reaching on the earth's surface
 - B.** Holding the sun and reflecting its light to the moon
 - C.** Absorbing ultraviolet rays from the sun
 - D.** It is very important for communication
 - E.** To ensure presence of water vapor in the atmosphere
- v.** Mr. John wandered to see objects with leading heads and bright tail in the sky, what are those objects?
- A.** Comets
 - B.** Asteroids
 - C.** Meteors
 - D.** Meteorites
 - E.** Planets.
- vi.** What will be the standard time of Nakuru- Kenya 40°E when it is midnight in Dar es Salaam 30°E?
- A.** 11: 20 pm
 - B.** 1: 40 am
 - C.** 12: 45 am
 - D.** 12: 40 am
 - E.** 11: 20 am
- vii.** Geography teacher assigned students to differentiate between ocean and sea. The answers were the following but one of them is incorrect. Which is not correct?
- A.** Ocean is larger than a sea
 - B.** Ocean have higher depth than a sea
 - C.** Ocean is surrounded by land masses while sea is surrounding land masses
 - D.** Seas are found within ocean but oceans are not found within seas
 - E.** The types of species found within sea are different from those found in the ocean
- viii.** Agricultural outputs in GAIRO DISTRICT 2022 were very low. Farmers analyzed many factors for their failures but some of the reasons were not correct. You as a citizen and also knowledgeable student of agriculture, which among the following is not correct reason for low agricultural harvests of 2022 in GAIRO?
- A.** Soil infertility
 - B.** Absence of government support
 - C.** Financial institutions failed to give loans to the farmers
 - D.** The use of crude tools for farming
 - E.** Low size of land for farming since Gairo has not large land
- ix.** What is the social economic advantage of reserved forests to the societies?
- A.** For agriculture
 - B.** For mining
 - C.** For tourism
 - D.** For lumbering
 - E.** For forestry
- x.** Which of the following factors is not the causes of loss of biodiversity?

- A. Pollution
- B. Overfishing
- E. The use of alternative source of energy
- C. Poaching
- Climate change

2. Matches the description of SOIL PROCESSES in column A with the correct responses in column B by writing the letter of the correct answer beside the item number in the answer sheet provided

COLUMN A	COLUMN B
i. Is the disintegration of rock into smallest particles to form soil	A. Capillary action
ii. Is the removal of soluble materials in solution form, from the top soil towards subsoil by agent water	B. Huminification
iii. Is the deposition or accumulation of eluviated materials in the underlying layers of the soil	C. Podsolization
iv. Is the decomposition of organic matters to form humus	D. Organic sorting
v. Is the reorganization of the mineral particles and organic matters to form soil aggregate	E. Weathering
	F. Cheluviation
	G. Leaching
	H. Eluviation
	I. Illuviation

SECTION B (55 Marks)

3. Study the map extract of KIGOMA (sheet 92/3) and then answer the following questions

- a) Change the scale of the map into statement scale.
- b) Comment on the population distribution of the mapped area.
- c) Comment on drainage of Kigoma.
- d) With evidences, mention four functions of settlements found in Kigoma.
- e) Calculate distance of a road in kilometer from grid reference 010636 to 950648.

4. Study the data below of sisal production and the answer questions that follows

Years	2003	2004	2005	2006	2007	2008
Production(000 tonnes)	70	160	120	210	185	100

- a) Outline six (6) procedures of constructing divergent line graph
- b) Construct divergent line graph to present data of sisal production from 2003 to 2007

5. A group of people were walking in a series of connected chain while measuring linear distances and collected the side details nearby the root way suddenly they meet a bush which cannot see through, then they started complaining about the situation they faced as result of not pre -visiting the area before any surveying work. Use information above to answer the following questions

- a) What is the name given to the group of people measuring linear distance?
- b) What is the step or procedure skipped before the survey work described?
- c) Mention two advantages of the skipped procedure
- d) What is the name of the type of survey method used?

6. In any research, the researcher must observe ethical issues during data collection. You as a researcher identify and briefly explain any four ethical issues that a researcher must consider during data collection.
7. Study the following photograph and answer the questions that follows



- What type of photograph is this? Give two reasons to support your answer.
- At what time the photograph was taken? why
- Describe the type of settlement of an area
- Suggest two main activities which are likely to take place in the area
- Comment on the topography of the area
- Comment on the temperature of an area

SECTION C (30 Marks)

Answer any two questions from this section

8. The demographic data provided by National Bureau of Statistics indicate that population of Tanzania 2022 is 61,741,120 and Dar es salaam is leading region with population of 5,383,728. An observation implies that our country experiences high fertility rate which become burden to the government. Explain six (6) causes of high birth rate in Africa, particularly Tanzania
9. Mr. Juma was travelling from Dar es Salaam to Mbeya, while on the way he started to experience changes of the atmospheric condition from hot to cold and he did not understand why? As an expert in climate, analyze six factors which affect the situation experienced by Mr. Juma.
10. Tanzania has abundant raw cotton production but it is lagging behind on textile industry. Justify this statement by six reasons.