

- 1) This paper consists of sections A, B and C with a total of eleven (11) questions.
- 2) Answer all questions in section A and B and **two (2)** 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) Celuler phones and any unauthorized materials are **NOT allowed** in the examination room
- 5) All drawings should be in pencil

SECTION A (16 Marks)

Answer **all** questions in this section

1. For each of the items (i) – (x), choose the correct answer from among the given alternatives and write its letter beside the item number in the answer sheet (s) provided.

- (i) During geography session, Misong'wan was asked by his teacher to outline the effects of rotation of the earth. He listed five effects but one was incorrect, identify incorrect one from the following.
- A. Deflection of wind and ocean current
 - B. Occurrence of tides
 - C. Changes in day and night
 - D. Four seasons of the year
 - E. Time difference between longitudes
- (ii) Yakobo is working in the industry which deals with extraction of oil, petroleum, coal and natural gas. Such industry is known as:-
- A. Chemical industry
 - B. Food and beverage industry
 - C. Metallurgical industry
 - D. Fuel and power industry
 - E. Mineral extraction industry
- (iii) Hamisi was selected to join form five in Manyara region. When he arrived at the school, he saw an upland which is boarded by faults on one or both sides. What is the name of the feature that Hamisi saw?
- A. Block mountain
 - B. Volcanic mountain
 - C. Valley
 - D. Plain
 - E. Basin
- (iv) It has been reported in the news recently that, Turkey has experienced a sudden shaking of the earth's crust caused by natural forces operating beneath the crust. This event experienced by Turkey can be termed as:-
- A. Weathering
 - B. Vulcanicity
 - C. Mass wasting
 - D. Earthquake
 - E. Erosion
- (v) Form three students visited Amboni caves at Tanga for study tour. When they entered inside the cave, they saw a sharp calcite feature growing from the roof of the cave pointing downward. What is the name of the feature that students saw?
- A. Stalagmite
 - B. Natural pillar
 - C. Sink hole
 - D. Stalactite
 - E. Doline
- (vi) Suppose you have been given a task by the Regional Commissioner to carry out research to explain the achievement of Mwendokasi project in minimizing the transport problem in Dar es salaam, such research will be known as:-
- A. Evaluative research
 - B. Qualitative research
 - C. Primary research
 - D. Applied research
 - E. Quantitative research
- (vii) After cultivating crops for seven years, Tausi decided to leave her farm for three years to regain its fertility. This process is termed as:-
- A. Shifting cultivation
 - B. Mixed farming
 - C. Bush fallowing
 - D. Intercropping
 - E. Extensive farming

- (viii) Frank was watching a television program which was talking about the arid areas. The program showed a tower – like structure composed of alternative bands of soft and hard rocks. What is the name of the feature which was shown by the program?
- A. Rock pedestals C. Zeugens
B. Yardangs D. Ventifacts E. Inselbergs
- (ix) Nearby Namfua secondary school, there is largest body of water which surrounds landmasses of the earth. This feature is identified as:-
- A. River B. Swamps C. Ocean D. Lake E. Dam
- (x) The United Nations World Tourism Organization is encouraging people to visit natural areas and minimize the impacts of tourism on the environment. This campaign can be termed as:-
- A. Ecotourism C. Cultural tourism
B. Internal tourism D. International tourism E. Domestic tourism

2. Match the items in **LIST A** with the correct response in **LIST B** by writing the letter of the corresponding response beside the items number in the answer sheet (s) provided.

LISTA	LISTB
(i) Used to measure relative humidity of the atmosphere. (ii) Used to determine direction towards wind which is blowing. (iii) Used to measure atmospheric pressure (iv) Used to measure and record the duration of sunshine (v) Used to measure amount of rainfall (vi) Used to measure temperature of a place	A. Campbell stoke B. Evaporimeter C. Anemometer D. Hygrometer E. Thermometer F. Rain gauge G. Barometer H. Wind vane

SECTION B (54 Marks)

Answer **all** questions in this section

3. Study carefully the map extract of **Ilonga sheet 265/2** and answer the following questions
- (a) Identify the following information from the given map.
- (i) Sheet number
- (ii) Edition number
- (iii) Latitudinal position of the map
- (iv) Year of production
- (b) Find the area covered by Makaka pond grid reference 588993 in square kilometer.
- (c) Citing evidence from the map, suggest three social services carried out in the mapped area.

- (d) Measure the bearing of Luhombero grid reference 565975 from Njigimu hill grid reference 612990

4. Study carefully the climate table of station X below and then answer the following questions.

Month	J	F	M	A	M	J	J	A	S	O	N	D
Temp °C	26	27	28	29	28	26	25	25	26	26	27	26
Rainfall (mm)	80	50	150	81	241	600	550	388	214	262	124	28

- (a) Calculate the total annual rainfall for station X
- (b) Work out the annual mean temperature for the station X
- (c) Present data graphically
- (d) Suggest two crops which can grow well under such climatic condition
5. CHIGOPE wanted to identify distance between his village and the neighboring one. When he started his activity. He encountered with a pond which limited straight measurement to take place between two places.
- (a) Name the type of obstacle that Chigope faced
- (b) Name the method suitable for overcoming obstacle named in (a).
- (c) Describe the method named in (b) diagrammatically.
- (d) Explain three advantages of the activity conducted by Chigope.
6. Students from Jitegemee Secondary School in Dar es salaam visited Mikumi National Park in Morogoro for study tour during the annual break of 2022. On their way, they saw a part of the earth's surface that rises abruptly to a greater height.
- (a) Name the feature that students saw.
- (b) Explain types of the feature named in (a)
- (c) Outline three advantages of the feature named in (a)
7. The National Research Institute of Tanzania decided to carry out research to find out solution for the increase of the price of different commodities in different places in the country. They sent out researcher who visited different markets and asked oral questions to people found in the area.
- (a) Identify type of research that they were conducting.
- (b) Name the method used by researcher to collect data.
- (c) Outline four advantages of the method named in (b).

8. Study carefully the photograph below and answer the questions that follow.



- (a) With two evidences, name the type of photograph.
- (b) Identify types of photograph named in (a).
- (c) With evidence, suggest the time when the photograph was taken.
- (d) Name two economic activities which might take place in the area.

SECTION C (30 Marks)

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

- 9. The Tanzanian census conducted in 2022 showed that, Dar es salaam is experiencing fast growth of settlement compared to other places in the country. As an expert, explain six (6) possible factors for this growth.
- 10. Critically examine six (6) benefits brought by the construction of the Julius Nyerere Hydroelectric power plant.
- 11. Even though Tanzania has been blessed with different number of raw materials, the industrial sector remains to be lowly developed. Examine six (6) major reasons for this situation.