

ISESE SERIES

FORM TWO GEOGRAPHY

U.B.N COOPERATION



**“10 PAPERS WITH THEIR
MARKING SCHEMES”**

- ✓ Kitini hiki ni mkusanyiko wa mitihani kumi (10) iliyofanywa na shule mbalimbali (series) mwaka 2024
- ✓ Kujunga na series zetu ama kupata majibu ya series zote kumi (10) wasiliana na **Robert Msaki 0624 254 757**

**THE PRESIDENT'S OFFICE
REGIONAL ADMINISTRATION AND LOCAL GOVERNMENT
JOIN THE REVOLUTION PROGRAM
FORM TWO SERIES No. 01
GEOGRAPHY**

TIME 2:30 HRS

INSTRUCTIONS

1. This paper consists of sections A, B and C with the total of **ten (10)** questions
2. Answer **ALL** questions
3. Section A and C carry **fifteen (15)** marks each and section B carries **seventy (70)** marks
4. All writing must be in **blue** or **black** ink
5. All writing must be written in the space provided
6. Cellular phones, calculators and any unauthorized materials are **not** allowed in assessment room
7. Write your names at the top of every page.

SECTION A (15 Marks)

Answer **ALL** questions in this section

1. For each of the items (i)-(x) choose the correct answer from among the given alternative and write its letter beside the correct number.

i. A ship moves to the west and crosses the International Date Line . What happens in regard to the time gained or loss

- (a) No time is gained or lost
- (b) One whole day is lost
- (c) One whole day is repeated
- (d) One whole day is gained
- (e) Time is gained and lost

ii. The sun is the star of average size and brightness from the Earth. Briefly explain why the sun looks much bigger than the other star?

- (a) Because it has ability to generate its own light and heat energy.
- (b) Because it is very hot
- (c) Because it is closer to the Earth's surface than other stars
- (d) Because it enables plants to manufacture their own food
- (e) Because it is the main component of the solar system

iii. When it is winter in the Northern hemisphere in December, January and February , it is _____ in Southern hemisphere during the same months.

- (a) Winter
- (b) Autumn
- (c) Spring
- (d) Summer
- (e) Season

(iv) In southern hemisphere solstice is occurred on _____ each year at the Tropic of Capricorn

- (a) 22th December
- (b) 21st March
- (c) 22th November
- (d) 23rd March
- (e) 13rd June

v. From the following pairs of mountains which one represents block mountains:-

- (a) Himalaya and Vosges
- (b) Alps and Usambara
- (c) Alps and Andres
- (d) Uluguru and Usaambar
- (e) Kilimanjaro and Vesuvius

vi. The continent that is not inhabited by human beings because of the extreme low temperature below freezing point throughout the year is known as:-

- (a) North America
- (b) Africa
- (c) South America
- (d) Europe
- (e) Antarctica

vii. In Equatorial belt of low pressure between 5°N and 5°S intense solar heating causes the moist air to rise in a great convection current. This belt is known as :-

- (a) Sub-tropical high pressure belt
- (b) Horse latitude
- (c) South East trade wind
- (d) Doldrums
- (e) Westerlies

viii. Briefly explain why metal cups in anemometer are fixed to the end of the arms:-

- (a) In order to rotate the arm when there is wind
- (b) In order to record the speed of the wind
- (c) In order to mark the direction of the cardinal points
- (d) In order to allow movement of mercury

(e) In order to show readings of atmospheric pressure.

ix. One of the following is not characteristics of Savannah regions:-

- (a) They have high temperature with annual range of about 8°C
- (b) They have low humidity during dry season
- (c) They have high humidity throughout the year.
- (d) They have tall grasses and scattered trees
- (e) Their average temperature for hot season is 29°C

x. The area from which a river system collects its rain water is known as:-

- (a) Catchment
- (b) Watershed
- (c) Tributaries
- (d) River bank
- (e) Distributaries

ANSWER

I	II	III	IV	V	VI	VII	VIII	IX	X

2. Match each item in **LIST A** with responses in **LIST B** by writing the letter of the correct response below the corresponding item number in the space provided.

LIST A	LIST B
(i) Activities that involves processing of raw materials into useful products	A. Primary activities
(ii) Activities involves provision of specialized services for primary and secondary activities	B. Quaternary activities
(iii) Activities done by people when they interact with the environment	C. Agriculture
(iv) Functions or works that human beings perform to earn a living	D. Secondary activities
(v) Process of buying and selling goods and services between people or organisation	E. Human activities
	F. Tertiary activities
	G. Trading

ANSWER

I	II	III	IV	V	VI	VII	VIII	IX	X

SECTION B (70 Marks)

Answer **ALL** questions in this section

3. (a) Briefly explain why the length of day and night are not the same across the world

(b) Briefly explain why Pluto was not believed to be the furthest planet in the solar system

(c) An eclipse is a total or partial obstruction of light from the sun by either the earth or the moon. How does this occur?

4. (a) The Earth is dynamic planet because it is in constant motion and its materials are in motion all the time. What are the four (4) effects of the movement of the earth in its orbit around the sun?

- (i) _____
- (ii) _____
- (iii) _____
- (iv) _____

(b) Madam Nyabu is a Geography teacher; during her session she taught her students that Geography subject has good relationship with Chemistry. Agree

5. (a) "Precipitation is important to human life and the environment". Prove this statement by using four (4) points.

- (i) _____
- (ii) _____
- (iii) _____
- (iv) _____

(b) Not all areas on the earth's surface receive the same amount of rainfall. Identify two (2) factors affecting amount of rainfall

- (i) _____
- (ii) _____

6. The government of United Republic of Tanzania wanted to establish a weather station in Mwangaza village. As n expert of Geography discuss conditions necessary to be considered by the government during establishment of weather station in Mwangaza village (5 points)

- (i) _____
- (ii) _____
- (iii) _____
- (iv) _____
- (v) _____

7. Majanjara and Nyamogi had serious debate regarding morphological appearance of the Earth. Majanjara was on the view of geoids shape and not Nyamogi supported on flatness shape of the Earth. You as a Geographer support Majanjara's view with five (5) points

- (i) _____

(ii) _____

(iii) _____

(iv) _____

(v) _____

8. (a) Form one students were given a task to draw a map of Songesha village. As a cartographer identifies a type of map scale that can be used by form one students so as to accomplish their task.

(b) Briefly explain four (4) importance of scale on a map

(i) _____

(ii) _____

(iii) _____

(iv) _____

(c) There are several natural features that appear in Songesha village. List at least three (3) methods that can be used by form one students to show relief features

(i) _____

(ii) _____

(iii) _____

9. Carefully study the climatic data for station X in the table below and answer the questions that follow.

Months	J	F	M	A	M	J	J	A	S	O	N	D
Temp°C	25	25	24.6	24.5	24.2	24	24	24	24	24	24.4	24.5
Rainfall mm	49	69	150	230	206	114	64	84	194	226	150	50

(i) Calculate the annual range of temperature

(ii) Calculate the total annual rainfall

(iii) With two evidences suggest the type of climate

(iv) What are two major economic activities conducted in the station X.

(v) Draw a Climograph to presents the data and comment on the nature of the climate.

SECTION C (15 Marks)

Answer question **number ten (10)** from this section

10. Salome visited her brother in the Canada during December holiday where she experienced cold weather condition compared to her home town Dar-es-salaam which is warm throughout the year. What might be the determinants of this variations?. Discuss six (06) points.

**THE PRESIDENT'S OFFICE
REGIONAL ADMINISTRATION AND LOCAL GOVERNMENT
JOIN THE REVOLUTION PROGRAM
FORM TWO SERIES No. 02
GEOGRAPHY**

TIME 2:30 HRS

INSTRUCTIONS

1. This paper consists of sections A, B and C with the total of **ten (10)** questions
2. Answer **ALL** questions
3. Section A and C carry **fifteen (15)** marks each and section B carries **seventy (70)** marks
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5. All writing must be written in the space provided
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7. Write your names at the top of every page.

SECTION A (15 Marks)

Answer **ALL** questions in this section

1. For each of the items (i)-(x) choose the correct answer from among the given alternative and write its letter beside the correct number.

- i. Students were watching a video program showing people in a certain geographical area who cultivate a piece of land by using crude tools. One of the following is not a type of agriculture:-
- (a) It involves family members
 - (b) It is practised on small piece of land
 - (c) It involves the use of simple tools
 - (d) It involves growing only one type of crop on the same field

ii. Mr. Chengula is a best livestock keeper in Buyuni village. He always keeps on seasonal movement of livestock from one grazing ground to another especially to lowland in winter and highlands in summer.

- (a) Transhumance
- (b) Sedentary livestock
- (c) Nomadic pastoralism
- (d) Livestock keeping

iii. After recording maximum and minimum temperature which instrument is used to bring back magnetic index?

- | | |
|-----------------|--------------|
| (a) Thermometer | (c) Magnetic |
| (b) Hygrometer | (d) Mercury |

iv. During map session students were given a task to draw weathered map that will show all area with the same pressure. Identify the name of the line that will be drawn to join those areas

- | | |
|--------------|---------------|
| (a) Isolines | (c) Isobars |
| (b) Isohyets | (d) Isotherms |

v. Hussein and Doreen debate on the shape of the Earth. Hussein argue that the shape of the earth is flat while Doreen said that the shape of the earth is not flat. How can you help Doreen to educate Hussein?

- (a) The shape of the earth is round
- (b) The shape of the earth is flattened sphere
- (c) The shape of the earth is flat
- (d) The shape of the earth is sphere

vi. The general direction of the linear geographical feature in which a feature is best described by stating both directions in which it lies is known as

- | | |
|---------------|--------------------|
| (a) Trend | (c) Grid North |
| (b) Alignment | (d) The North true |

vii. Mwichande is a student in form one class draw a map of Tanzania which his teacher complemented that it's a complete map which had all qualities of being a map. What do you think that the things that have been included by Mwichande when he draw a map.

- (a) Key, small scale, title, margin and north direction
- (b) Key, scale, margin, title and north direction
- (c) Key, large scale, small scale, margin and title

ix. One of the following is not characteristic of the hot desert climate

- (a) There is no clouds cover
 - (b) Rainfall rarely falls
 - (c) Temperature varies from 29°C in the hot season to 10°C in the cool season
 - (d) The annual range of temperature range between 250m-700m

x. The continent that is not inhabited by human beings because of extreme low temperature below the freezing point throughout the year

ANSWERS

2. Match each item in **LIST A** with responses in **LIST B** by writing the letter of the correct response below the corresponding item number in the space provided.

LIST A	LIST B
<p>i. Is the agricultural activity that involves growing of crops on a small piece of land</p> <p>ii. It involves growing of different crops on the same land at different times.</p> <p>iii. It involves clearing of bush,burning vegetation and sow seeds.</p> <p>iv. It is a traditional system in which a farmer keep on moving from one place to another when yield are low</p> <p>v. Is a science which deals with crop cultivation and livestock keeping.</p>	<p>A. Pastoralism</p> <p>B. Agriculture</p> <p>C. Sedentary pastoralism</p> <p>D. Subsistence agriculture</p> <p>E. Crop rotation</p> <p>F. Bush fallowing</p> <p>G.Shifting cultivation</p>

ANSWERS

I	II	III	IV	V

SECTION B (70 Marks)

Answer **ALL** questions in this section

3. Shabani's family watching TV at home the program was a solar energy. Shabani and his wife got angry as they said solar energy is useless to them.

(a) As a form two student help Shabani's family to understand the significance of the solar energy (4 points)

- (i) _____
- (ii) _____
- (iii) _____
- (iv) _____

(b) In what ways does the solar energy contributes to the emancipation of the women (4 points)

- (i) _____
- (ii) _____
- (iii) _____
- (iv) _____

4. (a) Briefly explain why International Date Line is not a straight line?

(b) Salome was invited by the Tanzania Aviation Authority to explain five (5) importances of latitudes and longitudes. What do you imagine about five (5) importances of latitudes and longitudes she mentioned?

- (i) _____
- (ii) _____
- (iii) _____
- (iv) _____
- (v) _____

5. In a practical session of Geography, a teacher gave different maps to students which show natural features such as river, forest, roads and other man made features for their studies

(a) Identify type of map that students were given by a teacher

(b) Suggest three (3) methods that can be used to calculate area of natural forest with irregular shape

- (i) _____
- (ii) _____
- (iii) _____

(c) Name three possible ways of locating position of features you will observe

- (i) _____
- (ii) _____
- (iii) _____

6. Elida is a form one student; she got confused after she listened news on the radio that nowadays the forces with which the weight of the atmosphere presses down the unit area affected by number of factors

(a) Name the phenomena that confused Elida

(b) List down three factors affecting the phenomena you have mentioned above

(i) _____

(ii) _____

(iii) _____

(c) Briefly explain the relationship between weather and human activities

7. (a) Using the map scale of 1:50000 calculate the distance of road with 25cm on a map

(b) Map scale is expressed in different ways, list down two methods of expressing map scale apart from that seen above

(i) _____

(ii) _____

(c) Convert the given map scale into bar scale

8. (a) Briefly explain why asteroids are also known as planetoids?

(b) In any weather station there is a wooden white painted box mounted on four stands which has louvered sides to allow free circulation of air.

(i) Identify the name of that device

(ii) Briefly explain why the device was painted white?

(iii) Explain two types of the device mention in (i) above based on their size

9. Form one students watched a video program which shows how Tanzania was gifted by God due to presence of different features found in Tanzania
(a) Name four possible features observed by students

- (i) _____
- (ii) _____
- (iii) _____
- (iv) _____

(b) In what ways do features observed by students are useful in our society

(i) _____

(ii) _____

(iii) _____

(iv) _____

(v) _____

SECTION C (15)

Answer question **number ten (10)** in this section

10. Naturally we believe that the earth rotates on its axis from west to east in anticlockwise direction through 360° . With examples describe the effects that prove the earth rotates from west to east (5 points).

THE PRESIDENT'S OFFICE
REGIONAL ADMINISTRATION AND LOCAL GOVERNMENT
FORM TWO SERIES No.03
GEOGRAPHY

TIME 2:30Hours

INSTRUCTIONS

1. This paper consists of sections A, B, and C with a total of ten (10) questions.
2. Answer all questions in the spaces provided.
3. All writing must be in blue or black ink
4. All communication devices and any unauthorized materials are not allowed in the examination room.
5. Write your Examination Number at the top right corner of every page.

SECTION A (15 Marks)

Answer all questions from this section

1. For each of the items (i-x), choose the correct answer from the given alternatives and write its letter beside the item.

- i) The system in which a farmer keeps animals while settled permanent in one area is known as;
 - a) Livestock
 - b) Semi-nomadic pastoralism
 - c) Nomadic pastoralism
 - d) Sedentary livestock
- ii) Which of the following factors is not the cause of desertification in Tanzania?
 - a) Deforestation
 - b) Shifting cultivation
 - c) Bush fire
 - d) Over fishing
- iii) Wind vane is an instrument used for;
 - a) Measuring air pressure
 - b) Recording wind velocity
 - c) Showing direction of wind
 - d) Showing temperature
- iv) The following in terms are geographical aspects except;
 - a) Contour ploughing
 - b) Preaching
 - c) Field study
 - d) Fishing industry
- v) Folding is usually a result of;
 - a) compressional force
 - b) tensional force
 - c) earthquakes
 - d) radial force
- vi) When the spring equinox does occur?
 - a) 3rd January
 - b) 23rd September
 - c) 21st March
 - d) 4th July
- vii) The stretch of land where standard time is accepted throughout a longitudinal Zone 15° in width.
 - a) Time zone
 - b) Greenwich mean time
 - c) Standard time
 - d) Prime meridian time

- viii) Deflection of wind and daily rising and falling of tides are among the effects of?
- Earth's movement
 - Earth's rotation
 - Earth's revolution
 - Aphelion and perihelion
- ix) Ocean water occupies about..... percent of the earth's surface,
- 21
 - 29
 - 71
 - 79
- x) The streams that join together to form main streams.
- Distributaries
 - Drainage
 - Tributaries
 - River basin

2. Match the items in **List A** with responses **List B** by writing the letter of the correct response below the corresponding item number in the table provided.

List A	List B
	A. Planetary wind B. Sun at tropic of cancer C. Winter solstice D. Autumn equinox E. Sun at tropic of Capricorn F. Sun at equator G. Summer solstice H. Spring equinox

SECTION C (70 Marks)

Answer all questions

- 3 (a) Naturally we believe that the earth rotates on its axis from west to east in an anticlockwise direction through 360° . With examples describe the evidences that prove that the earth rotates from west to east. Give five points.
- (b) Land reclamation was one of the method used by the Netherlands in order to improve and recovering their land for human use. List down five techniques used in land reclamation

4 (a) By providing five points, show how mining industry have contribution to the economy of the Tanzania.

(b) A part from many advantages from small scale agriculture, but also there is some of setbacks that facing small scale agriculture. Discuss with five reasons

5(a) What are the values of scale to the map users? Gives three points

(b) Which methods can be used to locate position of a place on the map?
Mention four.

(c) The distance of the road from Monaco to Berlin is 38 cm. convert the Distance in kilometer if the scale used is 1:50000.

(d) Why do you study maps? Give two reasons

(e) A large scale, medium scale and small scale maps all are the types of map Scale. With examples explain how they are distinguished by one to another.
Give two reasons.

6. (a) What do you understand by the term “Weather”

(b) Weather and climate are like sons of different mother. Use four factors to Show those differences

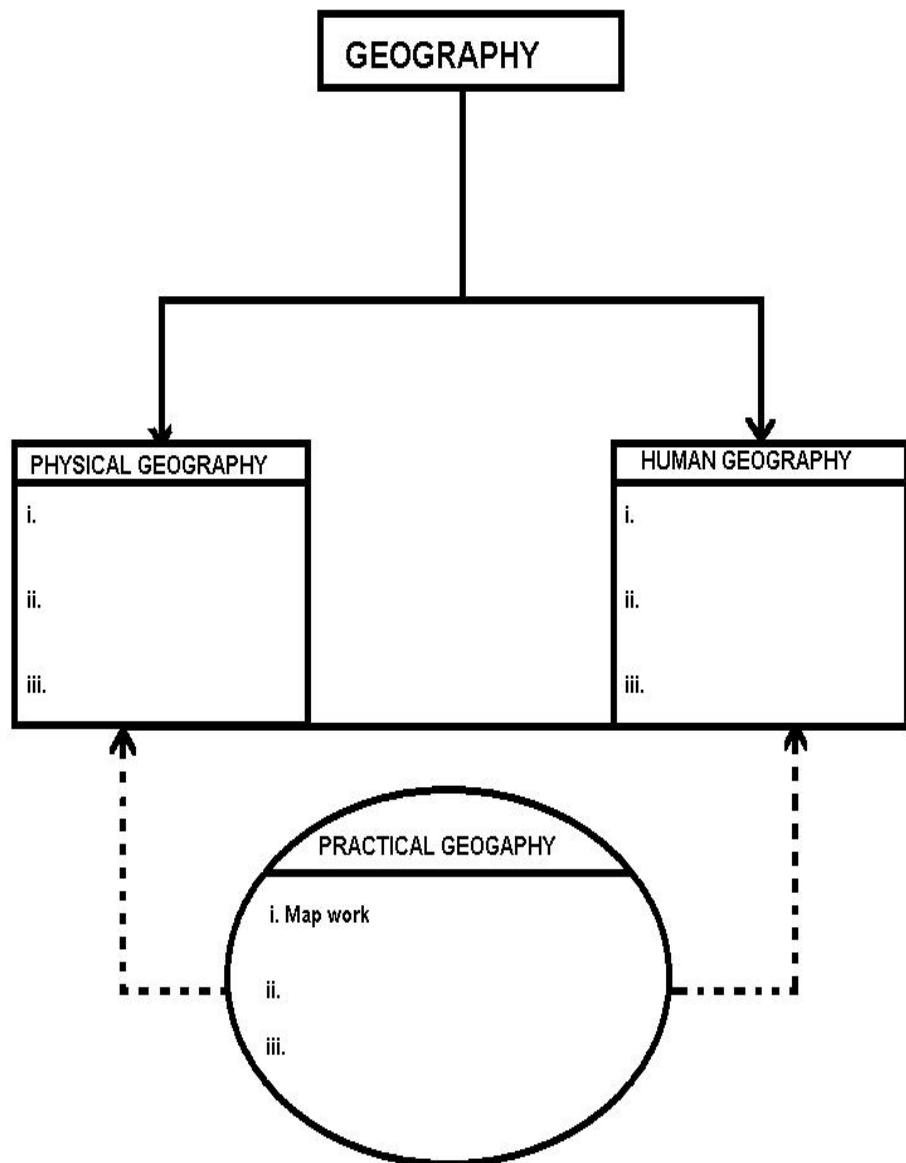
7. Draw a well labeled diagram of the sea floor features

8. An agricultural activity in Tanzania is like a light in the darkness for its Economic development. Justify this statement by providing five points.

9. Mining industry is the one of the back bone of the Tanzania economy. With five Points explain problems associated with mining activity in Tanzania.

SECTION C (15 Marks)
Answer question number 10

10. Complete the chart below



**THE PRESIDENT'S OFFICE
REGIONAL ADMINISTRATION AND LOCAL GOVERNMENT
JOIN THE REVOLUTION PROGRAM
FORM TWO SERIES No. 04
GEOGRAPHY**

TIME 2:30 Hours

INSTRUCTIONS

1. This paper consists of sections A, B, and C with a total of ten (10) questions.
2. Answer all questions in the spaces provided.
3. All writing must be in blue or black ink
4. All communication devices and any unauthorized materials are not allowed in the examination room.
5. Write your Examination Number at the top right corner of every page.

SECTION A (Marks 15)

Answer all questions from this section

1. For each of the items (i-x), choose the correct answer from the given alternatives and write its letter beside the item.

- i) The system in which a farmer keeps animals while settled permanent in one area is known as;
 - a) Livestock
 - b) Semi-nomadic pastoralism
 - c) Nomadic pastoralism
 - d) Sedentary livestock
- ii) Which of the following factors is not the cause of desertification in Tanzania?
 - a) Deforestation
 - b) Shifting cultivation
 - c) Bush fire
 - d) Over fishing
- iii) Wind vane is an instrument used for;
 - a) Measuring air pressure
 - b) Recording wind velocity
 - c) Showing direction of wind
 - d) Showing temperature
- iv) The following in terms are geographical aspects except;
 - a) Contour ploughing
 - b) Preaching
 - c) Field study
 - d) Fishing industry
- v) Folding is usually a result of;
 - a) compressional force
 - b) tensional force
 - c) earthquakes
 - d) radial force
- vi) When the spring equinox does occur?
 - a) 3rd January
 - b) 23rd September
 - c) 21st March
 - d) 4th July
- vii) The stretch of land where standard time is accepted throughout a longitudinal Zone 15° in width.
 - a) Time zone
 - b) Greenwich mean time
 - c) Standard time
 - d) Prime meridian time

- viii) Deflection of wind and daily rising and falling of tides are among the effects of?
- Earth's movement
 - Earth's rotation
 - Earth's revolution
 - Aphelion and perihelion
- ix) Ocean water occupies about..... percent of the earth's surface,
- 21
 - 29
 - 71
 - 79
- x) The streams that join together to form main streams.
- Distributaries
 - Drainage
 - Tributaries
 - River basin

2. Match the items in **List A** with responses **List B** by writing the letter of the correct response below the corresponding item number in the table provided.

List A	List B
	A. Planetary wind B. Raising warm air C. Descending cool air D. Low pressure E. Sea breeze F. Land breeze G. High pressure H. Ascending warm air

SECTION C (70 Marks)

Answer all questions

- 3 (a) Naturally we believe that the earth rotates on its axis from west to east in an anticlockwise direction through 360°. With examples describe the evidences that prove that the earth rotates from west to east. Give five points.
- (b) Land reclamation was one of the method used by the Netherlands in order to improve and recovering their land for human use. List down five techniques used in land reclamation

- 4 (a) By providing five points, show how mining industry have contribution to the economy of the Tanzania.
- (b) A part from many advantages from small scale agriculture, but also there is some of setbacks that facing small scale agriculture. Discuss with five reasons

- 5(a) What are the values of scale to the map users? Gives three points
- (b) Which methods can be used to locate position of a place on the map?
Mention four.
- (c) The distance of the road from Monaco to Berlin is 38 cm. convert the Distance in kilometer if the scale used is 1:50000.
- (d) Why do you study maps? Give two reasons
- (e) A large scale, medium scale and small scale maps all are the types of map Scale. With examples explain how they are distinguished by one to another.
Give two reasons.

6. (a) What do you understand by the term “Weather”
(b) Weather and climate are like sons of different mother. Use four factors to Show those differences

7. Draw a well labeled diagram of the sea floor features

8. An agricultural activity in Tanzania is like a light in the darkness for its Economic development. Justify this statement by providing five points.

9. Mining industry is the one of the back bone of the Tanzania economy. With five Points explain problems associated with mining activity in Tanzania.

SECTION C (Marks 15)

10. Forests have significant contribution to social, economic and ecological development. They Provide various products for human use such us timber, poles, wood, logs and honey. With Examples explain six (6) points, what is likely to happen if the forest is cleared or destroyed?

**THE PRESIDENT'S OFFICE
REGIONAL ADMINISTRATION AND LOCAL GOVERNMENT
FORM TWO SERIES No.05**

GEOGRAPHY

TIME 2:30 HRS

INSTRUCTIONS

1. This paper consists of **ten (10)** questions
2. Answer **ALL** questions
3. All writing must be in **blue** or **black** ink
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SECTION A

Answer ALL questions

1. (a) The local time of Tunis located at 10°E is 3:00pm. What is the local time of Mombasa Kenya located at 40°E
(b) When it is 3:30 pm at Nairobi 25°E . What is the time for Cameroon 120°E ?
2. You are planning a road trip across your country. Explain how understanding physical features like mountains, rivers and plains can help you choose the best route and anticipate potential challenges.
3. Suppose you have been invited by the fisher in Dungamawe village to teach them about the features found on the oceanic floor. As an expert of Geography your are required to teach them about the following guidelines that you have been given by them
 - (a) Give the meaning of the oceanic floor
 - (b) Identify six possible features found in the ocean floor
 - (c) Mention the feature that is suitable for fishing activity due to its suitable temperature and presence of light
 - (d) With a well labeled diagram draw the features of the oceanic floor
4. (a) You watch a news report about rising sea levels impacting small islands nations. Explain how understanding the concept of continents help connect this news to your to your own life and environment.
(b) You're involving in designing a new city on your continent. Explain how considering the major features of your continent can influence your urban planning decisions.
5. You're stranded on a deserted island with a small freshwater spring and a vast ocean surrounding you. Explain how understanding the properties and characteristics of different water bodies can help you survive the potentially signal for rescue

6. Students from Mirambo secondary school in Dar-es-salaam visited at Mikumi national Park in Morogoro for study tour during the annual break of 2023. 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) Identify types of features named in (a) above
- (c) Outline three (3) advantages of the features named in

7. (a) The local time of Washington DC (96°W) is 5:00pm Friday. Find the time and day at Zanzibar (39°E)

(b) What is the longitude of Lindi whose local time is 8:24pm when the local in Montivideo (Uruguay) 56°W is 02:00pm?

8.(a) If it is 9:30am at Kasese $33^{\circ}15^{\circ}\text{E}$. What time is in Zanzibar $45^{\circ}15^{\circ}\text{E}$?

(b) Find the longitudinal position of Mogadishu whose local time is 4:40pm when the local time at Tunis 10°E is 2:20pm

SECTION B

Answer ALL questions

9. Suppose that you're leading a workshop on natural disaster preparedness for your coastal community. As an expert in this sector you have been appointed by the Geography teacher in Mambosasa secondary school to teach his students about the major features of their continent. Give six points

10. You're advocating for sustainable fishing practices to protect marine ecosystems in Chekacheka village. As an oceanographer you are required to explain them six major features of the oceanic floor

THE PRESIDENT'S OFFICE
REGIONAL ADMINISTRATION AND LOCAL GOVERNMENT
FORM TWO SERIES No.06
GEOGRAPHY

TIME 2:30

INSTRUCTIONS

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SECTION A (15 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 in the box provided

- i) A tourist exploring Tanzania wants to navigate from the bustling City of Dar es salaam to the majestic Ngorongoro crater. On their map, they notice a thin blue line connecting these locations. This blue line most likely represents;
- A. A Network of hiking trails suitable for tourists
 - B. A major highway with paved roads for vehicle travel
 - C. A railway line offering passenger transport between the two points
 - D. A river separating the mainland from an island, requiring ferry travel.
- ii) A conservationist studying elephant migration patterns in Tanzania overlays a map of protected areas onto a map of elephant sightings. This combined map helps them identify:
- A. Suitable locations for constructing new roads bridges
 - B. Potential areas for poaching activity requiring increased surveillance
 - C. Regions with insufficient vegetation to support elephant populations
 - D. Corridors connecting protected areas crucial for elephant movement
- iii) A farmer in rural Tanzania plans to plant drought-resistant crops due to changing weather pattern. They consult a map showing rainfall distributions across the country. This map helps them:
- A. Determine the exact type of crops to plant for maximum yield
 - B. Predict future temperature fluctuations in their specific regions
 - C. Choose areas with the most fertile soil crop cultivations
 - D. Identify regions with the most reliable rainfall for their crops
- iv) A group of students searching Tanzania's cultural diversity uses a map showing the distribution of different ethnic groups. This map helps them:
- A. Plan tourist routes showcase diverse cultural attractions
 - B. Understand historical migration patterns of these ethnic groups
 - C. Predict future changes in cultural practices and traditions
 - D. Identify potential areas of cultural conflicts or tension

- v) A humanitarian organization planning to deliver aid to refugees fleeing conflict in an neighboring country consultant a map showing roads, refugee camps, and potential security risks. This map helps them:
- Determine the exact number of refugee requiring assistance
 - Choose the most scenic route for delivering aid supplies
 - Identify the safest and most efficient routes for aid delivery
 - Predict the future political stability of the conflict-stricken region
- vi) While planning a safari adventure in Tanzania's Serengeti national park, you find a map with different shades of green representing various areas. This likely indicates:
- Potential boundaries between different regions within the park
 - The location of tourist facilities and attractions within the park
 - The types of vegetation and wildlife found in different parts of the park
 - The elevation and terrain features of the park landscape.
- vii) You are driving through the bustling city of Dar es salaam, Tanzania, and need to find a specific restaurant using a map, the most helpful feature on the map for this task would be:
- A detailed legend explaining map symbols and colors
 - A compass rose indicating map symbols and colors
 - A scale showing the distance between different points on the map
 - An inset map of the entire Dar es salaam region with the city highlighted
- viii) You are trekking Mount Kilimanjaro, the highest peak in Africa. One potential danger you might encounter while relying solely on a map for navigation is:
- Differently interpreting the map symbols and legends
 - The map becoming outdated and inaccurate over time
 - Miscalculating distances and getting lost in the mountainous terrain
 - Encountering wild animals not depicted on the map
- ix) You are planning a trip to Zanzibar, an island off the coast of Tanzania. A useful feature on a map of Zanzibar for this trip would be;
- Marking for historical landmark and cultural sites
 - Information about tides and ocean currents around the island
 - Locations of different types of accommodation and tourist activities
 - Detailed street maps of all major towns and villages on the island

- x) During a school project on environmental conservation in Tanzania, you are researching projected areas and wildlife corridors. The most likely types of map you would use for this project is a:
- Political map showing the boundaries of different districts and regions
 - Topographical map illustrating the elevation and physical features of the land.
 - Road map focusing on highways and transportation network across the country
 - Thematic map highlighting specific environmental features and conservation areas.
2. Match the items in list A with the correct responses in list B by writing the letter of the response beside item number.

List A	List B
i) Small scale	A. 1:25000
ii) Medium scale	B. Conversion of scales
iii) Large scale	C. 1:50000
iv) Scale	D. Actual ground
v) Topographical map	E. 1:250000-1:000000
	F. Shows important natural and man-made features
	G. $\frac{\text{Map distance}}{\text{Actual ground distance}}$
	H. Distance

SECTION “B” (70 Marks)

Answers **all** questions from this section

- Show the procedures should be followed when we measure the distance of a map by using a piece of paper.
- The form one student from Mikui secondary school were confused on the view that small scale map and large-scale map are the same. As a form one student explain the differences between small scale map and large scale map.
- What are the ways used to express map scale on the map?

6. You are on a hike with friends in an unfamiliar forest. Suddenly, you realize you are lost! Your phone has no signal, but you find an old paper map tucked away in your backpack. Can this map help you find your way back? How can you interpret the symbols and information on it to navigate safely?
7. You are planning a weekend trip to a bustling city you have never visited before. How can a map help you make the most of your limited time?
8. All the maps serve the same purpose of telling you where something's located in relation to its surroundings. Describe the intention of the maps.
9. Why do we have scale on our map?

SECTION “C” (15 Marks)

Answer question number 10.

10. You are organizing a scavenger hunt for your school's annual fair. The clues will lead participants around the school grounds. Tell your team how you will use map components to create engaging and challenging clues.

**THE PRESIDENT'S OFFICE
REGIONAL ADMINISTRATION AND LOCAL GOVERNMENT
FORM TWO SERIES No.07**

GEOGRAPHY

TIME 2:30 HRS

INSTRUCTIONS

1. This paper consists of sections A, B and C with the total of **ten (10)** questions
2. Answer **ALL** questions
3. Section A and C carry **fifteen (15)** marks each and section B carries **seventy (70)** marks
4. All writing must be in **blue** or **black** ink
5. All writing must be written in the space provided
6. Cellular phones, calculators and any unauthorized materials are **not** allowed in assessment room
7. Write your names at the top of every page.

SECTION A (15 Marks)

Answer ALL questions in this section

1. For each of the items (i)-(x) choose the correct answer from among the given alternative and write its letter beside the correct number.

i) A local farmer in Tanzania carefully studies rainfall patterns and soil conditions before planting crops. This decision highlights the importance of geography in:

- A. Understanding historical event that shaped the region
- B. Identify cultural and religious practices in the community
- C. Predicting weather patterns an optimizing agricultural yield
- D. Developing political boundaries and administrative divisions

ii) A group of hikers in Tanzania is navigating through the Ngorongoro crater using a map and compass. This activity demonstrates the role of geography in

- A. Interpreting historical texts and understandings past events
- B. Appreciating the aesthetic belly and cultural significance land scopes
- C. Applying spatial skills and knowledge to navigable physical environments
- D. Analyzing social and economic inequalities within different communities

iii) A farmer in Tanzania plants crops based on the phases of the Moon. They understand that during specific phases, rainfall is more likely. This knowledge relies on the relationship between;

- A. The earth's revolution around the sun and the seasons
- B. The earth's rotation on Its axis and day and night
- C. The moon's gravity and the tides in the oceans
- D. The moon's phases and the amount of sunlight reaching earth

iv) A local farming community in Tanzania installs solar-powered irrigation systems for their crops. This supports environment conservation by;

- A. Depleting ground water resources at an unsustainable rate
- B. Promoting deforestation to a clear for installations for solar panels
- C. Reducing reliance on dams and minimizing disruption to river ecosystems
- D. Increasing soil, erosion due to change in traditional farming practices

v) While solar energy offers numerous benefits, some challenges remain for women in accessing it in Tanzania. One major obstacle is:

- A. The high initial cost of solar panels and equipment
- B. The lack of technical knowledge and training for women's solar installation

- C. The limited availability of financial options for women led Initiatives
 - D. All of the above
- vi) The International Date Line (IDL) is an imaginary line on earth that marks the boundary between two calendar days. Crossing this line:
- A. Requires adjusting your watch by one hour, depending on the direction
 - B. Automatically changes the date on your calendar, regardless of the time
 - C. Only affects countries located near the pacific oceans
 - D. Has no practical impact on travel or communications.
- vii) Tanzania lies primarily on the continent of Africa. This positioning offers the country advantage like:
- A. Limited access to clovers ecosystem and natural resources
 - B. Connection to major global trade routes and economics opportunity
 - C. Vulnerability to extreme weather events and natural disasters
 - D. Isolation from cultural and technological exchange with other regions
- viii) Tanzania boasts diverse landscapes, from the snow-capped peak of Mount Kilimanjaro to the Indian Ocean coastline. This variety of environment has implications for the country, including:
- A. Limited potential for tourism development due to lack of iconic landmarks or natural attractions
 - B. Difficultly in managing and conserving diverse ecosystem with unique species and habitants
 - C. Potential for attracting tourists interested in range of outdoor activities and cultural experiences
 - D. Dependence on a single dominant ecosystem for its economic well-being and national identity.
- ix) The Rufiji river basin in Tanzania is a major source of freshwater for irrigation and hydro-power. However, it also faces a significant threat from :
- A. Rising sea levels and salt water intrusion into the river system
 - B. Excessive deforestation and soil erosion along the riverbanks
 - C. Increased industrial waste discharge and water pollution
 - D. Frequent earthquakes and natural disasters impacting water flow.

x) A cartographer creating a detailed map of Tanzania needs to distinguish between the country's major lakes and other water bodies which feature provide the clearest indication of size and depth?

- A. The shape and outline of the water body on the map
- B. The color used to represent the water body on the map
- C. The presence or absence of surrounding islands
- D. The label and legend indicating the water body's name and depth.

2. Match each item in List A with a correct response in list B by writing its letter between the number of the corresponding item in list A in the table provided.

LIST A	LIST B
<ul style="list-style-type: none"> i) Ships disappearing hull first over the horizon ii) Different constellations visible from different regions on earth iii) Lunar eclipse casting round shadows on the moon iv) Photos and videos from space showing earth as a sphere v) Different length of daylight and nighttime throughout the year 	<ul style="list-style-type: none"> A. Earth's rotations on its axis, causing different regions to experience different day light hours. B. Earth's curvature causing ships to disappear progressively, hull first C. Variations in the angle of the sun due to earth's tilt and curvature D. Earth's spherical shape allowing for different constellations to be visible depending on location E. Confirmation of earth's sphericity through direct observation from space F. Earth's curvature affecting visibility of stars, with visible at higher altitudes G. Difficulty achieving a perfect straight line due to earth's curvature H. Earth's shadow on the moon during a lunar eclipse revealing its rounded shape I. Changes in observable constellations due to earth's revolutions around the sun J. Earth's rotation leading to different regions experiencing daylight at different times.

SECTION B (70 Marks)

Answer ALL questions in this section

3. You are planning a road trip across your country. Explain how understanding physical features like mountains, rivers and plains can help you choose the best route and anticipate potential challenges.
4. Living near river in a tropical region you witness annual floods that fertile the land but sometimes damage crops. Explain how understanding geographical phenomena like flood plains and seasonal rainfall patterns can help farmers adapt and thrive.
5. Your neighborhood council is considering replacing traditional streetlights with solar-powered ones. Some residents are concerned about their effectiveness. Explain how understanding the benefits and limitations of solar energy could inform this decision.
6. You volunteer on a farm facing frequent droughts due to changing weather patterns. Explain how incorporating solar energy into the irrigation system could benefit the farm and adapt to climate change.
7. (a) You are visiting a farmer in the northern hemisphere during autumn. The farmer explains how changing days influence their harvest times. Explain how understanding the result of earth's revolutions around the sun helps them plan their crop cycles and celebrate harvest festivals.
(b) You are considering two summer jobs - working at an ice cream stand or an outdoor pool. Local weather data show hot and sunny summers with occasional thunderstorms. Using your understanding of weather and its impact on activities, which job would be more enjoyable and why?
8. You run a farm stand at the local market, selling fresh produce. Some crops are ready for harvest, but the weather forecast is uncertain. Analyze the importance of understanding weather patterns in this situation
9. (a) You manage a family farm and rely on knowing the weather patterns for planting and harvesting. How can simple weather stations help you make an informed decision for your crops.

(b) You bike to school daily, enjoying the fresh air and exercise, knowing the importance of wind speed and direction, how would you adjust your rate or riding style on a windy day?

SECTION C (15 Marks)

Answer question number ten (10).

10. You are responsible for planning the school's sports day. How would using different weather instruments help you choose the best day and schedule events efficiently?

THE PRESIDENT'S OFFICE
REGIONAL ADMINISTRATION AND LOCAL GOVERNMENT
FORM TWO SERIES No.08
GEOGRAPHY

TIME 2:30Hours

INSTRUCTIONS

1. This paper consists of sections A, B, and C with a total of ten (10) questions.
2. Answer all questions in the spaces provided.
3. All writing must be in blue or black ink
4. All communication devices and any unauthorized materials are not allowed in the examination room.
5. Write your Examination Number at the top right corner of every page.

SECTION A (15 marks)

Answer all questions in this section.

- i. You are studying the impact of human settlements on Lake Victoria, the largest fresh water lake in Africa, partly bordering Tanzania. Which observation would be MOST relevant to a record in this context?
 - A. The average water depth and temperature of the lake water
 - B. The types and abundance of migratory fish species
 - C. The presence and diversity of aquatic plants along the shoreline.
 - D. The number and location of villages and agricultural activities near the lake
- ii. Examples of societies that do not practise Sedentary farming are?
 - A. Sukuma ,Gogo and Nyamwezi Bena
 - B. Chagga , Meru and Bena
 - C. Sukuma , Meru and Nyamwezi
 - D. Turkana, Maasai , Karamajong .
- iii. A conservationist studying wildebeest migration patterns in the Serengeti National park relies on Weather Station data to:
 - A. Track the exact location of the wildebeest herds in real – time
 - B. Predict the migration route based on rainfall patterns and vegetation growth
 - C. Determine the impact of climate change on migration patterns over time
 - D. Manage tourist activities and minimize disruption to the wildebeest movement
- iv. Scientists studying climate change in Tanzania analyze historical temperature and precipitation data. Thus information is collected to:
 - A. Predict with certainty the timing and intensity of future stormier
 - B. Understand long – term trends and potential future climate scenarios
 - C. Provide immediate weather forecasts for specific locations
 - D. Measure the daily impact of human activities on local weather .
- v. Tanzanian scientist researching solar energy potential studies the amount of sunlight available in different regions. This information is crucial for:
 - A. Predicting weather patterns and forecasting natural disasters
 - B. Establishing accurate time zones and adjusting clock settings
 - C. Determining the best locations for installing solar panels and generating electricity

D. Understanding the migration patterns of barbs and other wildlife across the continent

vi. A government initiative in Tanzania encourages the installation of Solar - Powered Streetlights in various towns and villages. This initiative promotes environmental conservation by:

- A. Disrupting natural animal behaviour and migration patterns
- B. Reducing greenhouse gas emissions by replacing electricity generated by fossil fuels
- C. Increasing light pollution , negatively impacting natural ecosystems
- D. Generating toxic waste from discarded solar panels at the end of their lifespan

vii. Transpiration is

- A. Soil infiltration
- B. Water turning directly from ice to water vapour
- C. Evaporation from the leaves of trees
- D. Runoff from steep hills

viii. A tourist visiting Tanzania in December expects cooler temperatures compared to july. This difference is most likely due to:

- A. Short term fluctuations atmospheric in pressure causing rainclouds
- B. The annual cycle of sunshine and daylight hours affecting solar radiation
- C. Long - term patterns of temperature and precipitation characteristic of the region
- D. Sudden changes in wind direction due to local geographical features

ix. A Tanzanian student studying astronomy observes the night sky and notices that certain bright objects seem to change their position relative to the background stars. This observation most likely indicates:

- A. The objects are planets that revolves around the sun
- B. The objects are constellations, fixed patterns of start that appear to move together
- C. The objects are asteroids,rocky bodies in space that travel on different orbits
- D. The objects are satellites, natural bodies that orbit planets

x. Three categories of commercial livestock - keeping are:

- A. Pastoralism, Sedentary and nomadism

- B. Traditional , modern and pure livestock- keeping
- C. Beef livestock-keeping , dairy livestock keeping and sheep – keeping
- D. Traditional livestock, cattle -keeping and diary livestock -keeping

ANSWER

I	II	III	IV	V	VI	VII	VIII	IX	X

Match each item in list A with a correct response in list B by writing its letter below the number of the corresponding item in list A in the table provided

LIST A	LIST B
1. Salinity 2. Ocean currents 3. Tides 4. Waves 5. Coral reefs	A. Interconnected system of moving water flowing throughout the oceans B. Periodic rise and fall of ocean levels due to gravitational forces C. Salty taste of seawater , measured in parts per thousand(ppt) D. Distinctive underwater ecosystems formed by coral colonies E. Coastal areas where freshwater rivers mix with saltwater from the point F. Areas of land where water drains downhill towards a specific point G. Layers of porous rock underground that store freshwater H. Contamination of groundwater with harmful substances I. Disruption of the water Surface caused by wind and other

ANSWER

I	II	III	IV	V

SECTION B (70 marks)

Answer **ALL** questions in this section

3. Visit a place where Charcoal is sold in large quantities, Ask the Charcoal sellers the following questions and then write a brief notes-based on the answers, they provide.

i) Where do they get charcoal? **(2.5 marks)**

ii) How is Charcoal prepared? **(2.5 marks)**

iii) Which type of trees are used in preparing Charcoal **(2.5 marks)**

iv) Are the trees used for Charcoal preparation regenerating? **(2.5 marks)**

4. a) You are involved in planning a new housing development , Explain how incorporation and understanding geographical concept, like land use, green space and sustainability can benefit the community (05 marks)

b) You are planning a beach clean-up with your community, knowing the importance of wind direction and to do level, how would choose the best time and location for this activity. (05 marks)

5. One day Mr. Daniel visited a working ground in which people excavated deeply downward tell to the underground

i) Briefly describe the process being conducted

ii) Briefly describe three means through which the work is done

iii) Give explanation on at least two types of products being excavated in the world

iv) Give at least two reasons that hinder the continuity of the process being conducted in Tanzania

6. You volunteer on a farm facing frequent droughts due to changing weather pattern. Explain how in cooperating solar energy into irrigation system could benefit the farm and adapt to climate change. Give three (3) advantages and 2 challenges.

7. a) With reference to Rufiji water Basin and TVA , explain how a community can benefit from the river basin. Gives three (3) points

b) You're a passionate about a hot air ballooning and need to assess wind conditions before each flight. How can a personal weather station enhance your flying safety?

8. You are an architect designing ascertainable housing coastal city with a moderate daily temperature range of around 10°C, your goal is to maximize energy efficiency. While providing thermal comfort to the residents

- a) Explain how the moderate daily temperatures range can be advantageous for designing a sustainable hover.

- b) Suggest three passive design features, you can incorporate into the hover to take advantage of the moderate temperature range

9. The researchers on tourism, offer visited (3) countries Tanzania, Namibia and Switzerland, But when they were on the journey many questions, were asked to them one of them need them to explain the uniqueness, of the job they work for daily. (05 points)

SECTION C (15 marks)

Answer question number **ten (10)** in this section

10. The government of Tanzania needed to start farming activities known as large scale farming, but the surveyor said that a project without knowing its disadvantage will never prolong for economic gain justify the statement. (Give 06 points)

**THE PRESIDENT'S OFFICE
REGIONAL ADMINISTRATION AND LOCAL GOVERNMENT
FORM TWO SERIES No.09
GEOGRAPHY**

TIME 2:30 HRS

TOPIC: WEATHER AND CLIMATE

INSTRUCTIONS

1. This paper consists of sections A, B and C with the total of **ten (10)** questions
2. Answer **ALL** questions
3. Section A and C carry **fifteen (15)** marks each and section B carries **seventy (70)** marks
4. All writing must be in **blue** or **black** ink
5. All writing must be written in the space provided
6. Cellular phones, calculators and any unauthorized materials are **not** allowed in assessment room
7. Write your names at the top of every page.

SECTION A (15 Marks)

Answer **ALL** questions from section

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

i. During map session students were given a task to draw weathered map that will show all area with the same pressure. Identify the name of the line that will be drawn to join those areas

- | | |
|--------------|---------------|
| (a) Isolines | (c) Isobars |
| (b) Isohyets | (d) Isotherms |

ii. If the temperature of Dar es salaam at sea level is 30°C . What will be the temperature of Moshi at 300m above the sea level?

- | | |
|----------------------------|----------------------------|
| (a) 31.2°C | (c) 28.8°C |
| (b) 28.2°C | (d) 32.2°C |

iii. One of the following is not characteristic of the hot desert climate

- | | |
|---|--|
| (a) There is no clouds cover | |
| (b) Rainfall rarely falls | |
| (c) Temperature varies from 29°C in the hot season to 10°C in the cool season | |
| (d) The annual range of temperature range between 250m-700m | |

iv. In Equatorial belt of low pressure between 5°N and 5°S intense solar heating causes the moist air to rise in a great convection current. This belt is known as:-

- | | |
|-------------------------------------|--------------------|
| (a) Sub-tropical high pressure belt | (b) Horse latitude |
| (c) South East trade wind | (d) Doldrums |

v. Briefly explain why metal cups in anemometer are fixed to the end of the arms: -

- | | |
|---|--|
| (a) In order to rotate the arm when there is wind | |
| (b) In order to record the speed of the wind | |
| (c) In order to mark the direction of the cardinal points | |
| (d) In order to allow movement of mercury | |

vi. A glass tube filled with alcohol and closed on both ends used to measure the lowest temperature is called:

- | | |
|------------------------|------------------------|
| a) Maximum thermometer | c) Minimum thermometer |
| b) Hygrometer | d) Barometer |

vii. The graph which shows both temperature and rainfall characteristics, is called:

- | | |
|---------------|---------------|
| a) Bar graph | c) Line graph |
| b) Climograph | d) Isograph |

viii. Madam Angela is a geography teacher who taught us about the Steveson screen. The following are instruments kept in Steveson screen EXCEPT:-

- | | |
|-------------------------|--------------------------|
| a) Maximum thermometer | c) The six's thermometer |
| b) Wet bulb thermometer | d) Dry bulb thermometer |

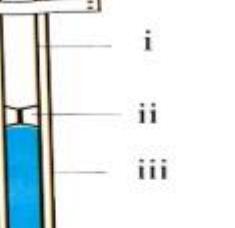
ix. The minimum and maximum temperature recorded in Dar-es-salaam on May 23rd 2014 were 23.5°C and 32.5°C. Calculate the daily range of temperature

- a) 28.0°C
 - b) 66°C
 - c) 9.0°C
 - d) 20°C

x. Vegetation do not grow well in desert areas because of harsh conditions. Which of the following is not adaptation feature of vegetation found in desert areas?

- a) They have long tap roots
 - b) They produce seeds that do not remain dormant for a long time
 - c) They have thorny
 - d) They store water in leaves, stem or root nodules

2. Match the item in LIST A with the correct answer in LIST B by writing the letter of the correct response

LIST A	LIST B
 <p>The diagram shows a vertical thermometer with a scale from -20 to 50 degrees Celsius. The glass tube (i) contains blue liquid. The bulb (ii) is at the top, connected by a narrow tube (iii) to the main stem. Above the bulb is a section of the tube (iv) that is empty (vacuum). Below the bulb is the metal index (v), which has two scales: one for Celsius and one for Fahrenheit.</p>	<ul style="list-style-type: none"> A. Mercury B. Vacuum C. Bulb D. Alcohol E. Metal index F. Capillary G. Glass tube

SECTION B (70)

Answer **ALL** questions in this section

3. Suppose that you have been invited by the villagers of Niwezeshe village to teach them on how to predict weather condition of their village at a given time

- a) Explain two methods that you can used to predict weather condition of that place

- b) After discussion two villagers were complain that prediction of weather condition is not important in their village. Argue this statement by using six (6) points

- i. _____
ii. _____

- iii. _____
- iv. _____
- v. _____
- vi. _____

4. (a) If the temperature of Morogoro which is 1300m above the sea level, 27°C what will be the temperature of Tunduma, Mbeya at 2700m above the sea level?

(b) A weather station at Mwanza recorded the maximum and minimum temperature at 25°C and 18°C respectively on April 12, 2023

(i) Calculate the daily range of temperature at Mwanza

(ii) Calculate the mean daily temperature at Mwanza

(c) If the highest mean daily temperature for the month of February 2024 at Mtakuja was 30°C recorded on 10 February and the lowest was 18°C recorded on 18°C recorded on 28th February. Calculate the monthly range of temperature.

5. (a) As a form one student show how human beings are benefited from the wind in their daily life. Give five (5) points.

- i. _____
- ii. _____
- iii. _____
- iv. _____
- v. _____

6. (a) Climate change has never been friendly to the environment. Verify this statement with five points.

- i. _____
- ii. _____
- iii. _____
- iv. _____
- v. _____

(b) Precipitation involves the deposition of moisture or frozen water from the atmosphere onto the ground or sometimes may not reach the ground. Outline five (5) importance of precipitation.

- i. _____
- ii. _____
- iii. _____
- iv. _____
- v. _____

7. Zukhaira is a form one student; she got confused after she listened news on the radio that nowadays the forces with which the weight of the atmosphere presses down the unit area affected by number of factors

(a) Name the phenomena that confused Elida

(b) List down three factors affecting the phenomena you have mentioned above

- (i) _____

(ii) _____

(iii) _____

(c) Briefly explain the relationship between weather and human activities

8.(a) Briefly explain the term "Temperature lapse rate" as used in Geography

(b) In any weather station there is a wooden white painted box mounted on four stands which has louvered sides to allow free circulation of air.

(i) Identify the name of that device

(ii) Briefly explain why the device was painted white?

9. Carefully study the climatic data for station X in the table below and answer the questions that follow.

Months	J	F	M	A	M	J	J	A	S	O	N	D
Temp°C	25	25	24.6	24.5	24.2	24	24	24	24	24	24.4	24.5
Rainfall mm	49	69	150	230	206	114	64	84	194	226	150	50

(i) Calculate the annual range of temperature

(ii) Calculate the total annual rainfall

(iii) With two evidences suggest the type of climate

(iv) What are two major economic activities conducted in the station X.

(v) Draw a Climograph to presents the data and comment on the nature of the climate.

SECTION C (15 Marks)

SECTION C (10 marks)
Answer question number **ten (10)** in this section

10. "Amount of rainfall received in different places in Tanzania is not the same". Justify this statement by explaining six factors affecting variation of rainfall in Tanzania.

INSTRUCTIONS

1. This paper consists of three sections A, B and C with a total of ten (10) questions.
 2. Answer ALL questions from sections A, B and C.
 3. Section A carries fifteen (15) marks, section B carries seventy (70) marks and section C carries fifteen (15) marks.
 4. Write in blue or black ink. Draw in pencil where necessary.
 5. Write your Assessment Number at the top right corner of every page.

FOR EXAMINER USE ONLY		
QUESTION NUMBER	SCORE	INITIAL OF EXAMINER
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
TOTAL		
CHECKER'S INITIALS		

SECTION A (15marks)

Answer all Questions this section

1. For each of the following items (i-x) choose the best answer from the given alternative and write its letter in box provided.
 - i. Waryoba was told by teacher that the earth makes one complete rotation every twenty four hours. From which direction does it rotate?
 - A. West
 - B. South
 - C. East
 - D. North
 - ii. Sea breeze refers to wind which blows from _____ to _____
 - A. Land to sea
 - B. Land to water
 - C. Sea to land
 - D. Sea to valley
 - iii. Form Two students were told by their teacher to select an industry which deals with production of industrial spare parts. Which type of industry will be selected by them?
 - A. Metallurgical industry
 - B. Fabrication industry
 - C. Textile industry
 - D. Chemical industry
 - iv. One of the following is the agricultural method used to restore back the fertile of the soil
 - A. Crop rotation by planting leguminous plant
 - B. Mixed farming
 - C. Terracing system
 - D. Transhumance

v. Mr. Msaki is the among of the best livestock keeper in kadege village he always takes his animal to low land during dry period and takes his animal to high land during rain period. Identify the name of this system of animal keeping

A. Normadic pastoralism

B. Tethering

C. Sedentary

D. Transhumance

vi. Thadei is a form two student at U.B.N secondary school; he wants to educate his Sister about aphelion, what will be the best explanation about aphelion.

A. Is the nearest earth from the sun?

B. Is when the Earth is 152 million kilometers from the Sun?

C. It occurs on 3rd January each year

D. Is the furthest position of Earth from the Sun?

vii. Which is the best explanation about the earth for form students.

A. Joha said that the Earth is the third planet from the Sun which support life and its distance is 150 million km from Sun

B. Eliza said the Earth is the fourth planet from the sun with 150 million km from Sun

C. Juma said the Earth is the third planet which support life and its distance is 228 million km from the Sun

D. The Earth is the biggest planet which support life

viii. Form two geography teacher asked his student which the correct word is give when there is equal length of day and night

A. Solstice B.

C. Summer

C. Equinox

D. Aphelion

ix. The local time at Mahove 20⁰ E is 3:00 pm what is local time of Ndapo 50⁰ E?

A. 5:00AM

B. 1:00PM

C. 5:00PM

D. 1:00AM

x. Angela visited her friend in Malawi during the holiday. She was surprised to see that many trees had shaded their leaves because of cold weather .Which season of year was it.

A. Spring

B. Winter

C. Autumn

D. Summer

2. Match the description of work in list A with the correct response in list B by letter of correct response in the table provided.

LIST A	LIST B
i. Solid heavenly body revolving around the sun ii. Objects with leading heads and bright tails in the sky iii. Piece of hard matter falling from outer space iv. The moon of the planets v. The natural satellite of the sun	A. Meteors B. Moon C. Asteroids D. Planets E. Satellites F. Comets G. Solar eclipse

Answer

List A	i	ii	iii	iv	v
LIST B					

SECTION B (70 MARKS)

Answer all questions in section

3. Majanjara's family is engaging with keeping large number of animal by moving from one area to another in search of water and green pasture.

- a) Name the system.....
- b) List down 4 advantages of the system
- i.
- ii.
- iii.
- iv.
- c) List down 4 disadvantages
- i.
- ii.
- iii.
- iv.

4. Mwajuma is a student from Juhudi secondary school who fail to explain (i) what is oceanic floor (ii) to draw and show feature of oceanic floor. As a student from form two help mwajuma

- i. To define oceanic floor.....
.....
- ii. To draw and shows feature of oceanic floor

5. Define the following geographical terms

1. Pastoralism

.....

ii Transhumance

.....

iii. Mixed farming.....

.....

iv. Small-scale agriculture.....

.....

v. Sedentary livestock keeping.....

.....

6. Study carefully the data provided below then answer the questions that follows on the table of data

MONTH	J	F	M	A	M	J	J	A	S	O	N	D
TEMP °C	18	17	16	14	15	12	13	10	14	15	16	17
RAINFALL (mm)	00	00	00	50	75	150	175	200	75	50	25	00

i. Calculate the mean annual temperature.....

.....

.....

ii. What is the annual range temperature.....

.....

iii. Calculate total rainfall from data.....

.....

iv. Which month has highest temperature?.....

v. Suggest the type of climate where data have been recorded.....

7. (a) Define map.....
.....

(b) List three ways of expressing scale

- i.
- ii.
- iii.

(c) Two maps of the same size are drawn on a large scale of 1:50,000 and other on a small scale of 1:1000, 000. Point out which map

- i. Cover large ground area than other.....
- ii. Show the feature clearly than the other.....

8. Weather is a condition of the atmosphere which occurs at a particular place at a short period of time. People describe weather condition of a place good or bad, depending on the state of the atmosphere at that particular time .using five points explain the importance of weather in our daily life

- i.
.....
- ii.
.....
- iii.
.....
- iv.
.....
- v.
.....

9. Give short notes of the following Geographical term

- (a) i. River basin.....
.....
- ii. Land reclamation.....
.....

(b) Mention five (5) used in land reclamation

- i.
- ii.
- iii.
- iv.

V.

SECTION C (15MARKS)

Answer one question

10. The chairperson of Lukange Village said that human activities is threat to forest.

Justify the statement by explain human activities which affect forest (six point)