PRESIDENT'S OFFICE
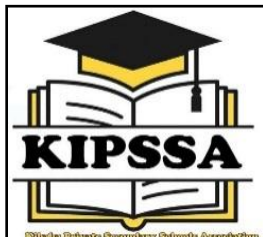
REGIONAL ADMINISTRATION AND LOCAL GOVERNMENT

KIBAHA PRIVATE SECONDARY SCHOOLS ASSOCIATION (KIPSSA)

FORM FOUR PRE-KIPSSA EXAMINATION

013   **GEOGRAPHY**

Time: 3 Hours   **Year 2023**

Instructions

1. This paper consists of sections A, Band C with a total of **ten (10)** questions.
2. Answer **all** questions in section A and B and only **two (2)** questions from section C.
3. Map extract of **KIGOMA (sheet 92/3)** is provided.
4. Programmable calculators, Cellular phones and any unauthorized materials are **not** allowed in the examination room.
5. Write your **Examination number** on every page of your answer booklet (s).

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 booklet provided.

(i) Non renewable source of energy include the following except
   A. Coal
   B. Wind
   C. Natural gas
   D. Petroleum

(ii) The factors that influence soil formation;
   A. Organism, humus and time
   B. Living organism, topography and time
   C. Living organism, parent materials and water
   D. Time, parent materials and temperature

(iii) The graph which shows both temperature and rainfall characteristics is called;
   A. Bar graph
   B. Line graph
   C. Isograph
   D. Climograph

(iv) Which of the following places will experience sunrise earliest on any day?
   A. Kasese (30° E)
   B. Tanga (39° E)
   C. Kitale (35° E)
   D. Iringa (45° E)

(v) If you are given a mathematical set with a pair of divider, a piece of paper, a length of string/thread these tools are used in;
   A. Finding direction on a map
   B. Giving position on a map
   C. Measurement of distance on a map
   D. Finding area on a map

(vi) Mountains can simply be classified on the basis of;
   A. Their height
   B. The way they are formed
   C. Location
   D. Economic importance

(vii) Marine erosion is a constant action of;
   A. Wind and running water
   B. Wave, current and tides
   C. Swash and backwash
   D. Wave break

(viii) The crescent – shaped deposition features found in desert are called;
   A. Seif dunes
   B. Zeugens'
   C. Yardangs
   D. Barchans

(ix) All forces operating within the Earth's crust are;
   A. Responsible for the formation of landforms
   B. Destructing to the features of the earth's surface
   C. Caused mainly by human activities
   D. Initiated by volcanic activity

(x) At which stage of the river is deposition dominant?
   A. The young stage
   B. The old stage
   C. The middle stage
   D. All stages

2. Match the concept in **column "A"** with the response in **column "B"** by writing the letter of the correct response beside the item number in the answer booklet (s) provided.

COLUMN A	COLUMN B
(i) Fringing reef (ii) Barrier reef (iii) Atolls (iv) Corals (v) Polyps (vi) Lagoon	**A.** A large broken ring shaped reefs lying off the coast with lagoon at the middle. **B.** A coral reef which is attached to the coast with a shallow narrow lagoon separating it with the mainland. **C.** A micro organism that live in the ocean floor **D.** Are the plants that support coral reef to grow **E.** A rock formed below the level of the tides **F.** A pool of water that used to separate a fringing reef and the mainland **G.** A coral platform attached to the coast with a wide deep lagoon.

SECTION B (54 Marks)

Answer all questions in this section

3. Study the Map extract of **KIGOMA (sheet 92/3)**, then answer the following questions: -
   a. Calculate the area of lake Tanganyika in km^2.
   b. Give the shape of the road at grid references **000584** and **960624.**
   c. Find the distance of the coastal line in kilometers from grid reference **894560** to **970550.**

d. Why the coast of the north western part of the map is not highly populated?
e. Find the bearing of the Nondwa point **(893621)** from Kitwe point **(896556).**

4. Carefully study the data given in table below that shows major crops export in Tanzania between the year 2010 – 2012 in tones then answer the questions that follows.

CROPS/YEAR	2010	2011	2012
COFFEE	39	40	66
COTTON	30	40	75
TOBACCO	30	30	40
SISAL	20	15	17
TEA	12	14	21

(a) Present the given data using compound line graph.
(b) Explain how the method is profitable in comparison with other methods
(c) Suggest any three (3) graphical presentations that can be applicable for the data.

5. Mr. Chalamila is a chemist, he is interested to conduct research about beverage to see the best drinks for human consumption and visit other scholar's written documents for more information.
   a) Suggest the research problem of his research.
   b) What will be the best research approach for his study?
   c) Name the main sources of data for his study.
   d) Mention other six possible sources of research problem for the similar study.

6. A process during which the measurements are taken in the field are recorded in a field book by a surveyor only and not by an assistant.
   a) What is name of the process?
   b) Why this process named in (a) above done by surveyor only?
   c) Explain three (3) consideration that should be taken during the above process in (a) above.

7. Examine carefully the photograph given, then answer questions that follows;

a. Identify the type of the photograph with two (2) supporting evidences.
b. Name two main physical features found on the photograph.
c. Identify four (4) main social – economic activities which might be carried out in this area.
d. Suggest the possible climate type of this area by giving two (2) evidences.

SECTION C (30 Marks)

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

8. The form four students of Maji ya Chai secondary school visited three different places and identified different types of soil with variation of physical and chemical properties. Explain six (6) physical properties of soil they observed.

9. According to census conducted in 2022 in our country, it has been observed that there is a great variation of the total population in our regions. Explain the environmental factors that have influenced the uneven population distribution in Tanzania.

10. Mwampindi's grandmother used to cultivate crops in small area using local seeds, hand hoe and manure. She is now blaming that in five years the harvest are poor. She is complaining that her neighbours are causing it. With six (6) points explain to her how she can improve her farming system.