

**INTERSECONDARY SCHOOLS EXAMINATION SERIES
ISESE**

FORM SIX SERIES No. 1

GEOGRAPHY 1

113/1

TIME 3:00 HRS

Monday 15th July 2024

INSTRUCTIONS

1. This paper consists of section A and B with a total of seven questions.
2. Answer a total of **five (5)** questions **two (2) questions** from **section A** and **three(3) questions** from **section B** where question **number one 1** is compulsory.
3. In section A, question **number 1** carries **twenty five 25 marks** and **fifteen marks** for each of the rest, while in section B, each question carries **twenty (20)** marks
4. Map extract from **MBEYA (244/4)** is provided.
5. Non-programmable calculators may be used.
6. Cellular phones any other unauthorized materials are not allowed in the examination room.
7. Write your Examination Number on every page of your answer booklet(s)

SECTION A (40 Marks)

Answer **TWO (2)** questions. Question number **ONE (1)** is compulsory

1. Study carefully the map extract of Mbeya sheets 244/4 provided and answer the question that follow.

- (a) Using the mapped area, identify three (3) determinants of climate and describe what they suggest about the climate of this map
- (b) On the map provided, Majanjara and Mkama observed that magnetic variation was 9 degrees 47 minutes by February 2015. Find the new magnetic variation of the place by April 2019 if the annual change was 2 minutes negatively.
- (c) Measure the approximate area in km square of the contoured map Eastings 510 if its scale is changed to read 1:100000
- (d) Describe four (4) factors that have influenced composition of the mapped area
- (e) Identify the geological structure of the mapped area
- (f) Identify the feature found 5km ENE of the grid reference 432126
- (g) Comment on the population distribution and give three (3) factors that have influenced its distribution

2. Three cash crops were produced for country X in 1990's as follows: In 1990, 1000 tons of Coffee, 500 tons of Cotton and 400 tons of Tea. In 1991, 900 tons of Coffee, 200 tons of Cotton and 600 tons of Tea, whereas in 1992, 500 tons of Coffee, 200 tons of Cotton and 300 tons of tea.

- (a) Construct the table of value to represent the above description
- (b) How many tons were produced for three years by all crops?
- (c) By using the vertical scale of 5cm and horizontal scale of 10cm, construct the compound divided rectangle to represent the above description.

3. Extraterritorial photography can be visible light, images, water, vapour or infrared images and all these images are very important to meteorologists. With vivid examples explain six (6) importance of extraterritorial photography in meteorological studies.

SECTION B (60 Marks)

Answer **ONLY THREE (3)** questions from this section

4. Suppose that you are leading a discussion in your class, and the topic posed is on how the atmosphere is very useful to human kind and ecosystem. What will be your points to describe the posed topic? Give six (6) points.

5. "Mr Nyamogi is a geography teacher at U.B.N Secondary school. One day, he experienced students stop doing discussion due to the presence of difficult question in their assignment, the question required the students to explain the factors behind the overland flow". By using six points take the position of Mr. Nyamogi at U.B.N Secondary school to solve the problem.

6. "Soil colour gives an indication of unique characteristics and various processes going on the soil". Explain factors that influence the soil colour and give the importance of the soil colour.

7. Starting with the difference between absolute humidity and relative humidity, explain the reasons behind for the variation of atmospheric humidity from place to place, and time to time.