THE UNITED REPUBLIC OF TANZANIA
NATIONAL EXAMINATIONS COUNCIL
CERTIFICATE OF SECONDARY EDUCATION EXAMINATION

013 GEOGRAPHY

(For Both School and Private Candidates)

TIME: 3 Hours ***Thursday, 9th October 2008 p.m.***

Instructions

1. This paper consists of sections A, B, C and D.
2. Answer **all** questions in sections A, B and C and **one (1)** question from each part of section D.
3. Map extract of Korogwe is provided.
4. Credit will be given for the use of relevant sketch maps and diagrams.
5. Electronic calculators are **not** allowed in the examination room.
6. Cellular phones are **not** allowed in the examination room.
7. Write your **Examination Number** on every page of your answer booklet(s)

SECTION A (25 Marks)

Answer **all** questions in this section.

PHYSICAL AND MATHEMATICAL GEOGRAPHY

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.

(i) The choice of suitable site and location for a weather station includes
- A permanent place for recording the data
- B more vegetation and relief
- C rain gauge, thermometer and barometer
- D fairly level ground and open space
- E flatland and thermometer.

(ii) Testing of nuclear, dynamite and mining explosions are greatly associated to _____ forces.
- A endogenic
- B exogenic
- C artificial
- D explosive
- E endogenetic

(iii) Geography is a multi-disciplinary subject because it
- A is very much related to Geology
- B cuts across other disciplines
- C is a tool of understanding the universe
- D involves studies of physical and human activities only
- E deals with physical environment only.

(iv) The earth's interior is inaccessible and very hot, the knowledge about it is through
- A bore hole drillings
- B evidence of earthquake waves
- C the study of crust, mantle and core
- D continental and oceanic movements
- E oceanic floor and the core.

(v) If Morogoro town has a temperature of 25°C, what will this temperature be in fahrenheit?
- A 77°F
- B 32°F.
- C 41°F
- D 212°F
- E 97°F

(vi) Tilting of the electricity poles and fences on slopes are works of
A weathering
B denudation
C steepness of slope
D mass wasting
E deposition.

(vii) ……. soil is heavy, has minute air spaces, holds much water, is difficulty to cultivate, dries up and forms a hard surface.
A Loam
B Clay
C Silt
D Sand
E Volcanic

(viii) The best major feature of the ocean floor for fishing activities is
A continental shelf
B oceanic plain
C oceanic deep
D continental slope
E oceanic island.

(ix) Decline of food production and increase in droughts, floods and shortages of hydro-electric power supply are attributed to
A social and economic development
B problems of climatic changes
C impact of reduction of erosion
D development of science and technology
E diseases and pests control.

(x) Which of the following show the natural vegetation found in Tanzania?
A Coniferous, Mediterranean and mountains
B Forest, tropical grasslands and thickets
C Temperate, tropical and deciduous grasslands
D Savannah, equatorial grassland and tundra
E Tundra, maritime and grassland

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

List A	List B
(i) Wind which blows more frequently in a particular region. (ii) The amount of water vapour in the atmosphere. (iii) There is a decrease of temperature by 0.6°C per 100 m. (iv) Lines drawn having the same amount of clouds. (v) A collection of small droplets of water.	A. Trade winds. B. Dew. C. When one ascends the mountain. D. Relative humidity. E. Prevailing winds. F. Isohel. G. Humidity. H. When one descends the mountain. I. Hail. J. Isoneph.

3. (a) Define soil profile using the knowledge you have studied on soil.

(b) With the aid of a labelled diagram, illustrate soil profile.

(c) Explain **four (4)** factors that influence the development of soil profile.

SECTION B (27 Marks)

Answer **all** questions this section.

APPLICATION OF STATISTICS, INTRODUCTION TO RESEARCH AND ELEMENTARY SURVEYING

4. Read carefully the hypothetical data presented below and then answer the questions that follow.
Cash crops production in Tanzania in '000 tonnes.

YEARS	Types of Cash Crop		
	Coffee	Cotton	Tea
1990	200	100	300
1991	150	130	200
1992	120	100	100

(a) Represent data bove using a compound bar graph.

(b) How is the compound bar graph of value to you? Give **three (3)** points.

(c) Comment on the trend of production as observed from the graph.

5. In 2007, form four students from Kibaigwa secondary school conducted a research about road accidents between Morogoro and Dodoma. Finally they submitted the report to the head of school.

   (a) What were the main **three (3)** objectives of the research?

   (b) Propose **three (3)** methods which might be used to collect data.

   (c) Explain **three (3)** problems that possibly faced them when collecting the data.

6. (a) What is the meaning of survey to a geographer?

   (b) Differentiate chain survey from levelling using the knowledge you have acquired from survey.

   (c) Explain **four (4)** ways in which chain survey is significant in the day to day life of a human being.

SECTION C (28 Marks)

Answer **all** questions in this section.

MAP READING AND PHOTOGRAPH INTERPRETATION

7. Study the map extract of Korogwe sheet 129/2 and answer the following questions:

   (a) A taxi driver was moving from grid reference 340328 to a filling station at grid reference 421305. Find the distance covered in kilometres.

   (b) Convert the linear scale given from the map into statement scale.

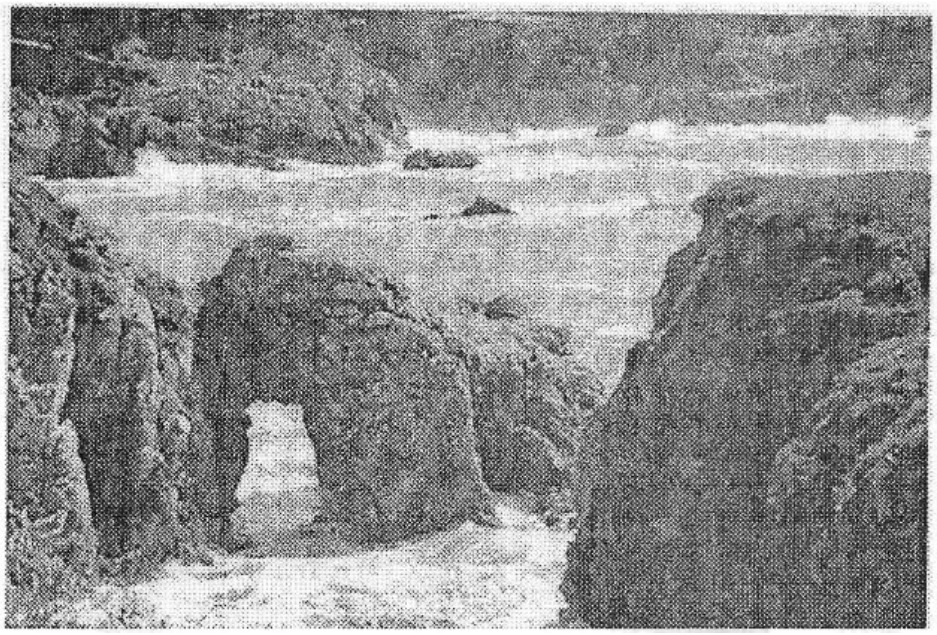
   (c) Show the relief features to guide the tourists visiting the mapped area.

   (d) With evidence, suggest **four (4)** economic activities of the people living in the area represented by the given map.

   (e) Give **three (3)** reasons which have encouraged people to establish the settlement.

   (f) Identify the main features found at grid references shown below.
   (i) 420227
   (ii) 350367
   (iii) 426304
   (iv) 384295

8. Carefully study the photograph provided and then answer the questions that follow.



(a) Identify the type of photograph shown.

(b) Name **three (3)** features found on the photograph.

(c) How are the features named in 8(b) above formed?

(d) What are the economic importances of the features found on the photograph?

SECTION D (20 Marks)

Answer **one (1)** question from each part.
PART 1: REGIONAL FOCAL STUDIES

9. Forest is among natural resources Tanzania has been naturally gifted. Explain **eight (8)** values of forest resources to the Tanzanian community.

10. Mining is an important sector in the Tanzanian economy. Some people in this sector are practicing small scale mining. Write **five (5)** effective measures to be taken to minimize the problems of small scale mining in Tanzania.

PART II: ENVIRONMENTAL ISSUES, POPULATION AND SETTLEMENT

11. (a) Using your knowledge of population studies, provide the meaning of urban growth.

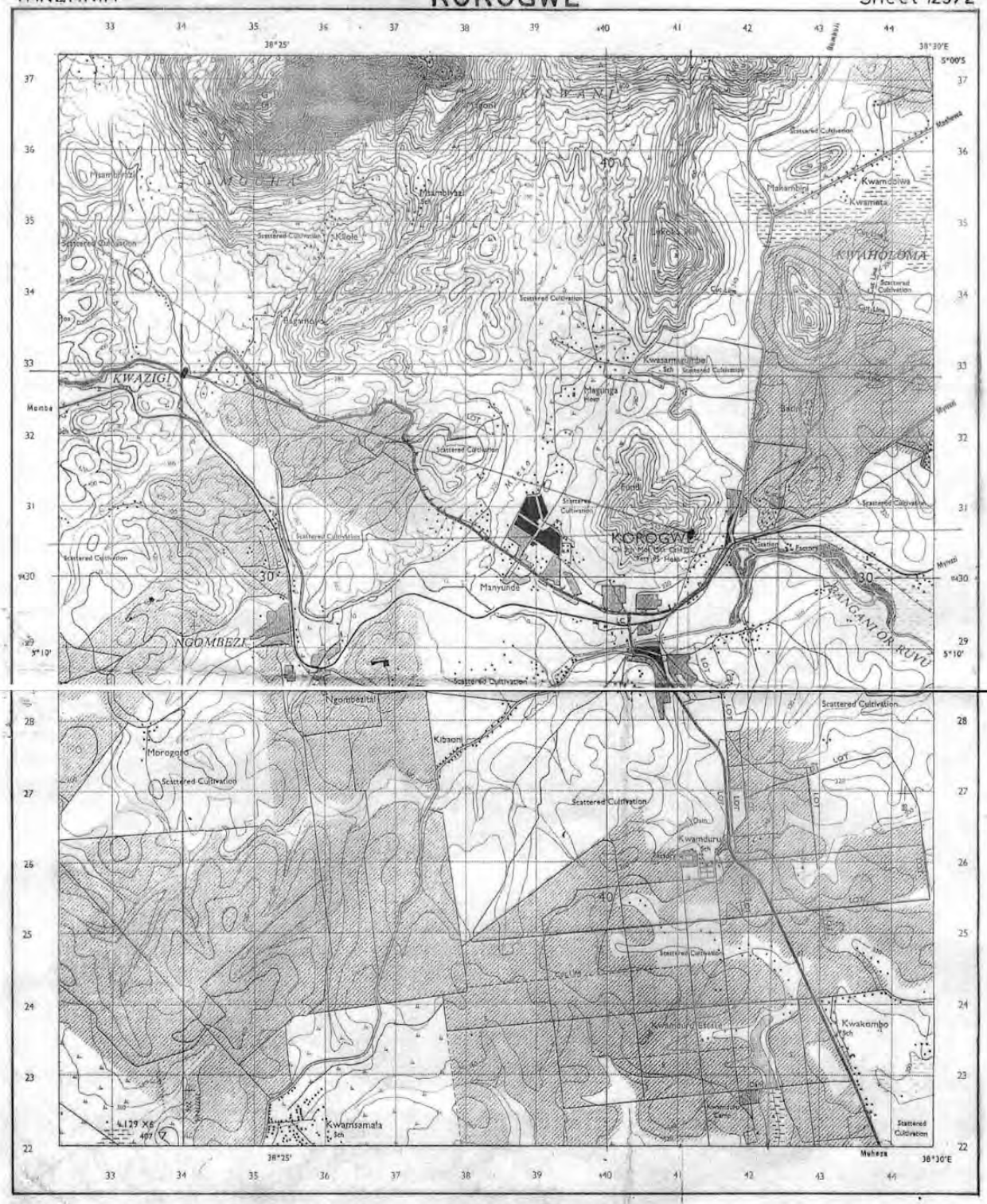
(b) Outline **eight (8)** social and economic problems that result from urban growth.

12. "The living environment in Tanzania is suffering at the expense of man's activities." With the support of **eight (8)** points, prove this statement.

TANZANIA

KOROGWE

Sheet 129/2



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SCALE 1:50,000

METRES 1000 0 1 2 3 4 5 KILOMETRES

HEIGHTS IN METRES

ABBREVIATIONS

Disp Dispensary
Mkt Market
Ch Church
CBP Cotton Buying Post
PO Post Office
Sch School
WH Waterhole
Ct Ho Court House

1 cm = ½ k
15 = x
15 cm =