THE UNITED REPUBLIC OF TANZANIA

NATIONAL EXAMINATIONS COUNCIL

ADVANCED CERTIFICATE OF SECONDARY EDUCATION EXAMINATION - MAY, 1994

113/1

GEOGRAPHY PAPER 1

(For both School and Private Candidates)

TIME: 3 Hours.

INSTRUCTIONS

1. Answer FIVE (5) questions in all. TWO questions from Section A and THREE (3) questions from Section B. Question ONE in Section A is Compulsory.
2. Credit will be given for the use of relevant sketch maps and diagrams.
3. Write your Index Number on every page of your answer booklet.

This paper consists of 6 printed pages.

SECTION A

Answer question ONE and any other question from this section. Candidates are advised to spend not more than 50 minutes on question one.

1. Study the map extract of Rusinga Island provided (MAP 1) and answer the following questions:

   (a) Describe the drainage system of the area.

   (b) Find the area occupied by the water body by grid metho Give the answer in square kilometres.

   (c) Suggest the geomorphological processes that have mould the landforms of the area.

   (d) The compass bearings of Lugongo and Sienga hills were 130° and 149° respectively. These bearings were taken from a steamer on the lake.

      (i) Give the grid reference of the position of the steamer.

      (ii) Measure the distance in kilometres from the positio of the steamer to Kaswanga Pt.

   (e) Calculate the bearing of Lugongo hill from Kiamera hil

2. Study the field book entries given in Fig. 1. Plot line XY and the offsets shown. Use a scale of 1cm to 25 metres.

3. Study Table 1 below and answer the questions that follow:

Table 1

Production of Major Export Crops in Tanzania 1989/90 - 1991/9

CROP	YEAR AND PRODUCTION ('000 tons)		
	1989/90	1990/91	1991/92
COFFEE	37	40	66
COTTON	33	49	72
TOBACCO	05	10	15
SISAL	30	30	40
TEA	20	18	19

SOURCE: Bank of Tanzania, Economic and Operations Report for the year 1991, p. 14.

3. Contd...

(a) Draw a compound line graph to show the information given by the table.

(b) What are the advantages of using this method?

4. The following are population densities of seven regions of Tanzania:

REGION	DENSITY : PERSONS/sq.km.
RUKWA	6.6
MBEYA	17.9
RUVUMA	8.9
IRINGA	16.2
MOROGORO	13.3
LINDI	8.0
MTWARA	46.2

Source: 1978 Population Census, Table 4.

(a) On the map of Tanzania provided (MAP 2) present these data by shading method.

(b) What are the merits and demerits of using this method?

SECTION B

Answer any three questions from this section.

5. Account for the location of the hot deserts.

6. (a) Define:
   (i) Superimposed drainage pattern
   (ii) River rejuvenation.

   (b) Explain the main features of a rejuvenated river profile.

7. Describe the formation of the following features:
   (a) Caves and blowholes
   (b) Wavecut platforms
   (c) Spits and bars
   (d) Beaches.

8. Give an account of the main characteristics of the tropical c
nental climate.

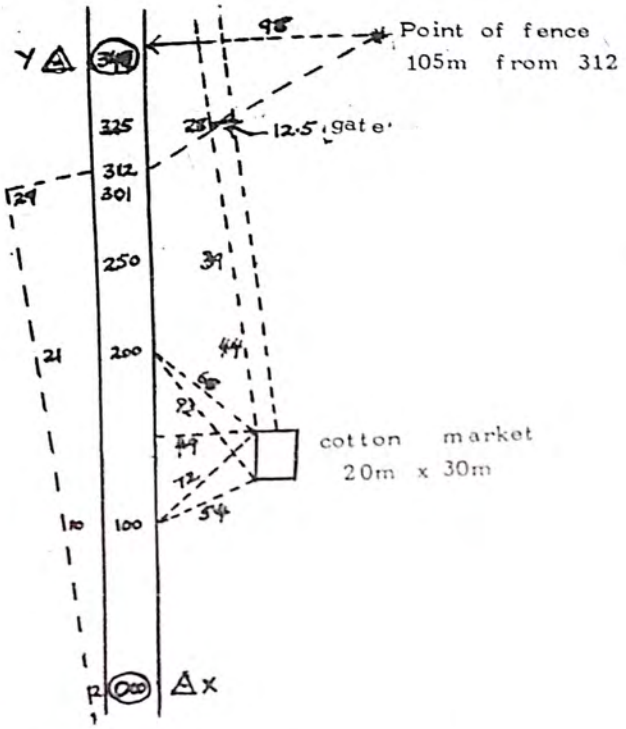
9. Discuss the nature and distribution of thunderstorms.

10. Discuss the main factors which determine the speed and natu
mass wasting.

11. Examine the distribution and characteristics of coniferous fo

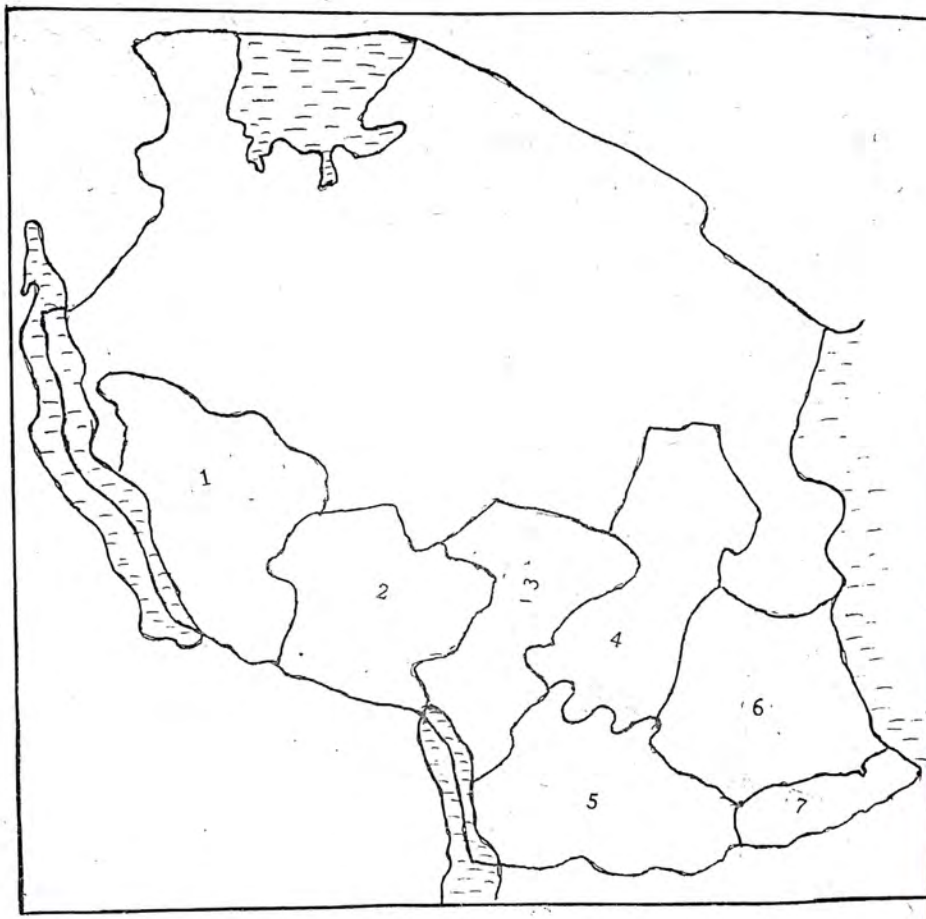
12. To what extent is water an agent of erosion in arid areas?

Fig. 1 for question 2



CHAIN SURVEY BOOKING, LINE XY

MAP 2 for question 4



1 Rukwa
2 Mbeya
3 Iringa
4 Morogoro
5 Ruvuma
6 Lindi
7 Mtwara