THE UNITED REPUBLIC OF TANZANIA

NATIONAL EXAMINATIONS COUNCIL

ADVANCED CERTIFICATE OF SECONDARY EDUCATION EXAMINATION

MAY 1996

/1 GEOGRAPHY PAPER 1

(For both School and Private Candidates)

E: 3 Hours

INSTRUCTIONS

1. Answer FIVE (5) questions in all. TWO (2) 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.

S paper consists of 4 printed pages.

SECTION A (Total = 52 Marks)

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

QUESTION ONE = 36 Marks
QUESTIONS 2-4 = 16 Marks each)

1. (a) Use the map extract series Y 742 sheet 55/3 or ARUSHA (reproduced from the same series) provided and answer the following questions:

(i) Find the area in square kilometres of the Arusha municipality.

(ii) Describe the relief and drainage of the area shown on the map.

(iii) Determine the forward bearing of Kibwesi Secondary Trigonometrical station, Grid 480300, from Olmoto Juu market, Grid 385335.

(iv) What is the length of the railway line shown on t map?

(v) With evidence from the map, what are the economi activities of the area?

(b) (i) Define a scale of a map.

(ii) How important is a scale of a map to a map user?

(c) Give the principle of determining the back bearing of an object.

(d) (i) Given - 1:50,000. State the scale into centimet to a kilometre.

(ii) Given - 1cm on a map represents 4 kilometres on the ground. Express this scale as a Representative Fraction (R.F.)

(a) The following bearings were taken in running a compass traverse at a place where local attraction was suspected.

Line	Distance	Forward Bearing	Back Bearing
AB	600m	180^{o}	000^{o}
BC	720m	055^{o}	236^{o}
CD	350m	131^{o}	311^{o}
DE	600m	230^{o}	050^{o}
EF	800m	001^{o}	180^{o}

At what station(s) do you suspect attractions? Why?

b) Plot the traverse using a suitable scale.

xplain the uses of dot maps. What are the advantages and isadvantages of dot method?

resent the following employment statistics (in 000's people) ong the East African countries in 1968 using bar graphs. Comment the method used.

ORS	Agriculture and Fishing	Mining and Quarying	Manu-facturing	Building and Construc-tion	Commerce	Transport and Communi-cation	Other
	190.2	2.9	75.9	31.9	40.1	53.5	211.3
la	109.2	6.1	35.3	47.3	21.4	38.8	90.9
	55.9	7.8	49.7	42.0	13.7	11.0	101.6

All calculations must be clearly shown.

SECTION B (48 marks)

Attempt any THREE questions from this section.
(MARKS FOR ANY OF THE THREE QUESTIONS = 16)

5. In what ways are Igneous rocks the origin of other types of rock

6. (a) Distinguish between Dynamic and Eustatic rejuvenation.
   (b) With the help of diagrams, what do you understand by the term "river capture"?

7. "There are many erosive and depositional features of alpine glaciation some of which are of importance to man". Justify this statement (Diagrams not required).

8. With the help of diagrams, account for wind action in arid and semi-arid regions.

9. Describe the features produced by marine deposition.

10. Name and explain the factors that determine the distribution of insolation.

11. Classify Air masses.

12. Write notes on the following:
    Tornadoes, Convectional Rainfall, Advection Fog, and Frontal Depression.