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

113/1 GEOGRAPHY 1

(For Both School and Private Candidates)

Time: 3 Hours **Tuesday, 06th May 2014 p.m.**

Instructions

1. This paper consists of **nine (9)** questions in sections A and B.
2. Answer a total of **five (5)** questions; **two (2)** questions from section A and **three (3)** questions from section B. Question number **one (1)** is compulsory.
3. In section A, question number **one (1)** carries **25** marks and the rest **15** marks, while in section B each question carries **20** marks.
4. Credit will be given for the use of relevant sketch maps and diagrams.
5. Map extract for question number one (1) is provided.
6. Non programmable calculators may be used.
7. Cellular phones are **not** allowed in the examination room.
8. Write your **Examination Number** on every page of your answer booklet(s).

SECTION A (40 marks)

Answer question **number 1** and any other question from this section.

1. Study carefully the map extract of MPANDA Sheet 153/3 provided then answer the following questions:

   (a) Measure the length of the railway line in kilometers from grid reference 845977 to 989022.

   (b) Describe the nature of settlement pattern found in the area.

   (c) Briefly explain the three economic activities taking place in the area.

   (d) Analyze the nature and distribution of vegetation in the area.

   (e) With two evidences from the map, identify the type of climate found in the area.

   (f) Identify the method which has been applied to show relief of the area and give three advantages for using such a method.

2. (a) Differentiate the following statistical concepts:
   (i) Inferential statistics and Descriptive statistics.
   (ii) Dependent and Independent variable.

   (b) The form five students' scores in Geography subject at Nganza S.S were as follows:

Scores	Frequency
20-29	2
30-39	8
40-49	10
50-59	16
60-69	6
70-79	1

   (i) Calculate the standard deviation.
   (ii) What are the disadvantages of grouped data?

3. (a) Explain the types of vertical aerial photographs.
   (b) Describe why aerial photographs appear difficult in interpretation.

4. (a) Distinguish the following research concepts:
   (i) Research Proposal and Research Report.
   (ii) Qualitative Research and Quantitative Research.
   (iii) Data Collection and Data Analysis.
   (iv) Population and Sample.

   (b) What are three advantages and disadvantages of sampling techniques?

SECTION B (60 marks)

Answer **three (3)** questions from this section.

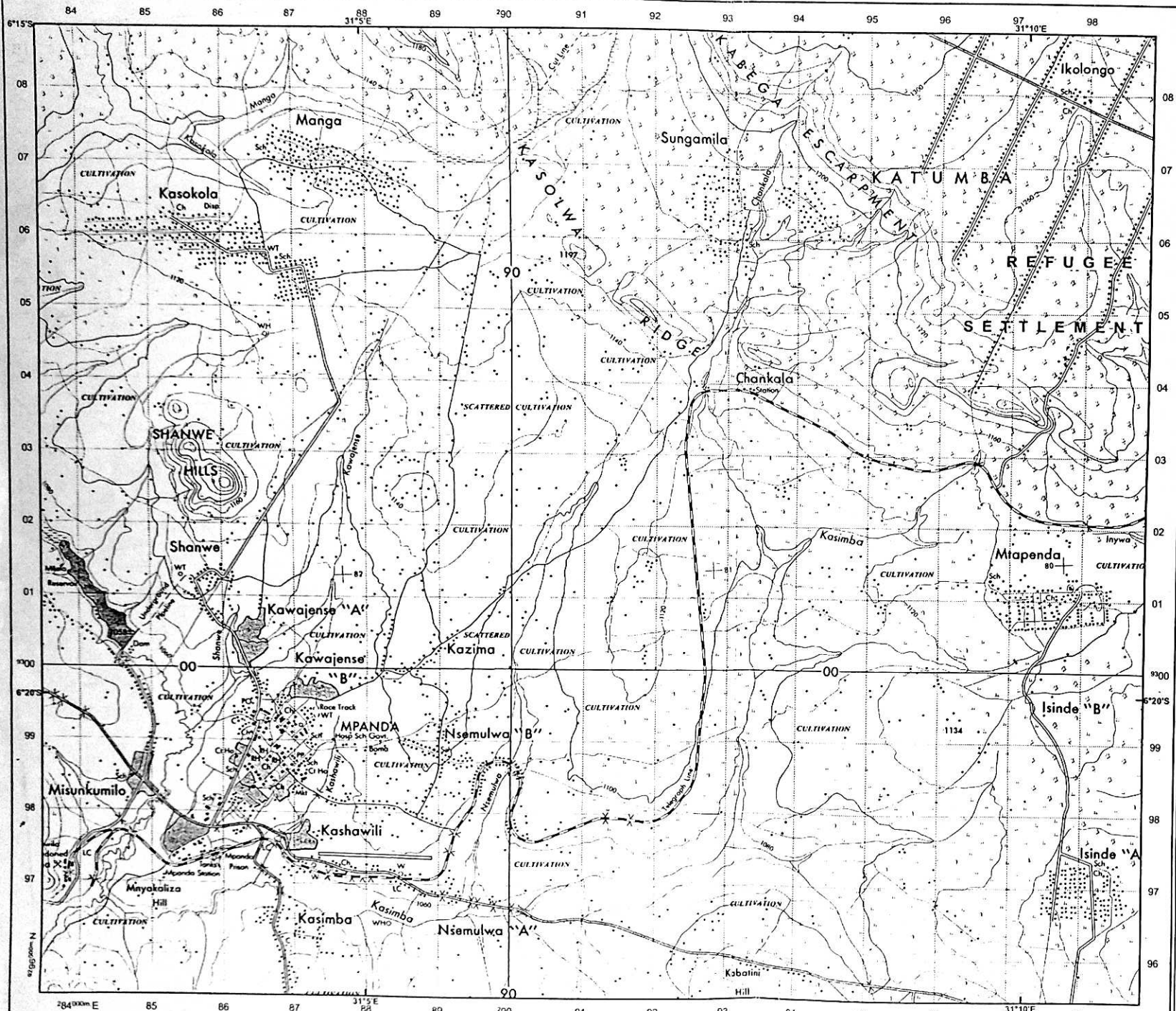
5. Describe five causes of plate tectonics movement and prove its existence by providing four-evidences.

6. Explain the values of vulcanism for the development of the society. Give eight points.

7. To what extent is a river basin development both advantageous and disastrous?

8. Describe the factors that control global distribution of plant communities.

9. Analyze six properties to be considered when studying soil profile at the field.



MPANDA

Sheet 153/3

- Town or area with permanent buildings
- Other populated area, Houses
- All Weather Road Bound Surface — Road Number
- All Weather Road Loose Surface
- Dry Weather Road — Culvert, Bridge
- Main Track (Motorable)
- Other Track and Footpath
- Cut Line
- Railway, Siding, Station, Level Crossing
- Airfield Runway
- TelephoneLine
- Power Line
- Crater
- Steep Slope
- Spot Heights (in metres) — 204
- Contours (V.I 20m) — Depression
- Air Photo Principal Point with Film No. — JICA/91 178-5
- Watercourse, Waterfall, Rapids, Dam
- Watercourse (Wide), Waterfall, Rapids
- Water Tank, Windpump
- Borehole, Waterhole, Well, Spring
- Bund, Major Fence, Hedge, Wall
- Cliff
- Forest
- Thicket
- Bamboo
- Riverrine Trees
- Plantation :- (Coffee C, Sisal S, Sugar Su, Palm T, Wattle W, Cashew Nut CN)
- Woodland
- Scrub
- Scattered Trees
- Palms
- Mangroove Swamp
- Tree Swamp
- Papyrus Swamp, Marsh, Bog
- Seasonal Swamp
- Sand or Mud ..... Inland ..... Coastal
- Outcrop Rock
- Coral

ABBREVIATIONS

CBP	Cotton Buying Centre	M	Mission	PS	Police Station
CH	Church	Mkt	Market	RH	Rest House
CtHo	Court House	Mosq	Mosque	Sch	School
Disp	Dispensary	PO	Post Office	T	Telephone
Hosp	Hospital	PP	Police Post	Tg	Telegraph

Scale 1: 50,000

HEIGHTS IN METRES

1 0.5 0 1 2 Kilometers

Extract from Mpanda Sheet 153/3
Series Y742, Edition 1-TSD/ Ministry of Lands.
Government of the United Republic of Tanzania 1984