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, 05th May 2015 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 of LEMBENI (sheet 73/3) 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 one (1)** and any other question from this section.

1. Study carefully the map extract of LEMBENI Sheet 73/3 and then answer the following questions:

   (a) Calculate the area covered by a seasonal swamp in km^2.

   (b) Identify the grid reference of the location of the following features:

      (i) Kiverenge School.

      (ii) Lokira hill.

   (c) Calculate the distance covered by loose surface road in kilometers from grid 509848 to 460819.

   (d) By citing examples from the map, identify the types of vegetation of the area.

   (e) Describe five usefulness of Topographical maps to a geographer.

2. Describe the types and characteristics of measures of central tendency.

3. (a) Explain five techniques for analyzing ground photography.

   (b) Briefly explain the following terms:

      (i) Photo mosaic.

      (ii) Stereoscope.

      (iii) Camera station.

      (iv) Principal point.

4. (a) Identify four problems associated with poorly formulated hypothesis.

   (b) Describe six uses of research.

   (c) Why is it crucial for a researcher to identify a site before the actual research? Give three reasons.

SECTION B (60 Marks)

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

5. Describe five environmental problems facing the coastal areas and four measures to be taken so as to overcome them.

6. Explain eight human activities that degrade wetlands.

7. (a) Describe the following terms:

   (i) Soil (PH).

   (ii) Soil Temperature.

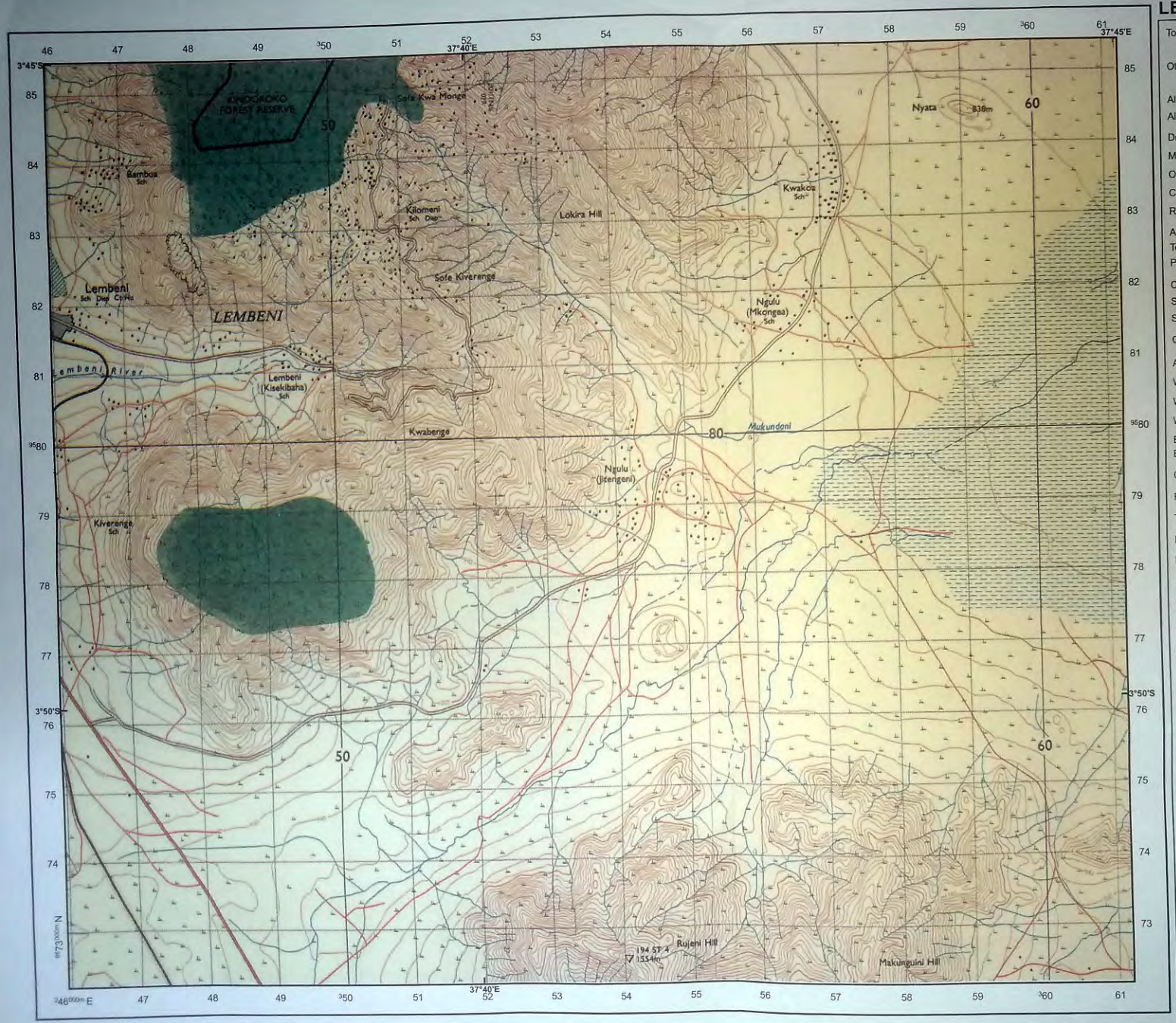
   (iii) Cation exchange in soil.

   (iv) Soil catena.

   (b) Explain the importance of each item in (a) above.

8. With examples, examine eight values of rocks to humankind.

9. Describe the composition of the atmosphere and its functions to the universe.



LEMBENI

Sheet 73/3

- Town or area with permanent buildings
- Other populated area, Houses
- All Weather Road Bound Surface
- All Weather Road Loose Surface
- Dry Weather Road
- 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)
- Contours (V.I 20m)
- Air Photo Principal Point with Film No.
- 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 Lembeni Sheet 73/3
Series Y742, Edition 2-TSD/ Ministry of Lands.
Government of the United Republic of Tanzania 1989