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 **Thursday, 09th February 2012 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 UYOLE Sheet 245/3 then answer the questions that follow.

   (a) What is the length of the road from grid 680070 to grid 596164?

   (b) Measure the area of Poroto Ridge Forest Reserve in km^2.

   (c) With vivid evidences from the map, suggest the main economic activities of the area.

   (d) Describe the settlement pattern found in the area.

   (e) Identify the features found in the following grid readings.

      (i) 690110

      (ii) 579145

      (iii) 674063

      (iv) 553123

   (f) With evidences from the map, analyse the geological structure of the area.

2. Study carefully the following hypothetical data and answer the questions that follow.

   Cash crop production in Moshi district from 1972 to 1976 (in '000 tones)

CROP/YEAR	**1972**	**1973**	**1974**	**1975**	**1976**
Coffee	4000	3000	1500	3000	2500
Pyrethrum	1500	2000	1000	2500	1000
Sisal	1000	1500	500	2000	500

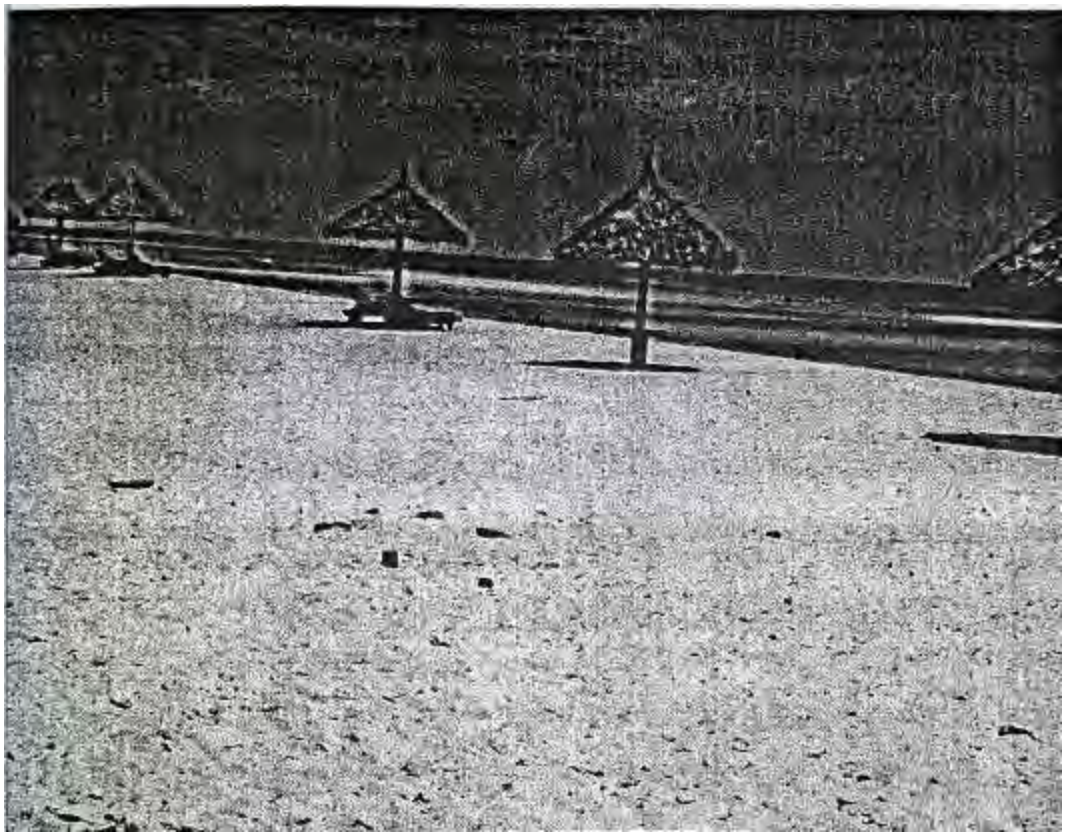
   (a) Draw a comparative bar graph to represent the data given.

   (b) Describe the merits and demerits of comparative bar graph.

3. (a) Differentiate the Prismatic Compass Survey and Chain Survey

   (b) What is Leveling? Explain four importance of leveling in a field work.

4. Study carefully the photograph given below and answer the questions that follow:



(a) Name the type of the photograph.

(b) Describe four characteristics of the type of the photograph named in part (a) above.

(c) Identify the natural features seen on the photograph.

(d) At what time was the photograph taken? Give two reasons.

(e) With reasons, suggest the major economic activities taking place in the area.

SECTION B (60 marks)

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

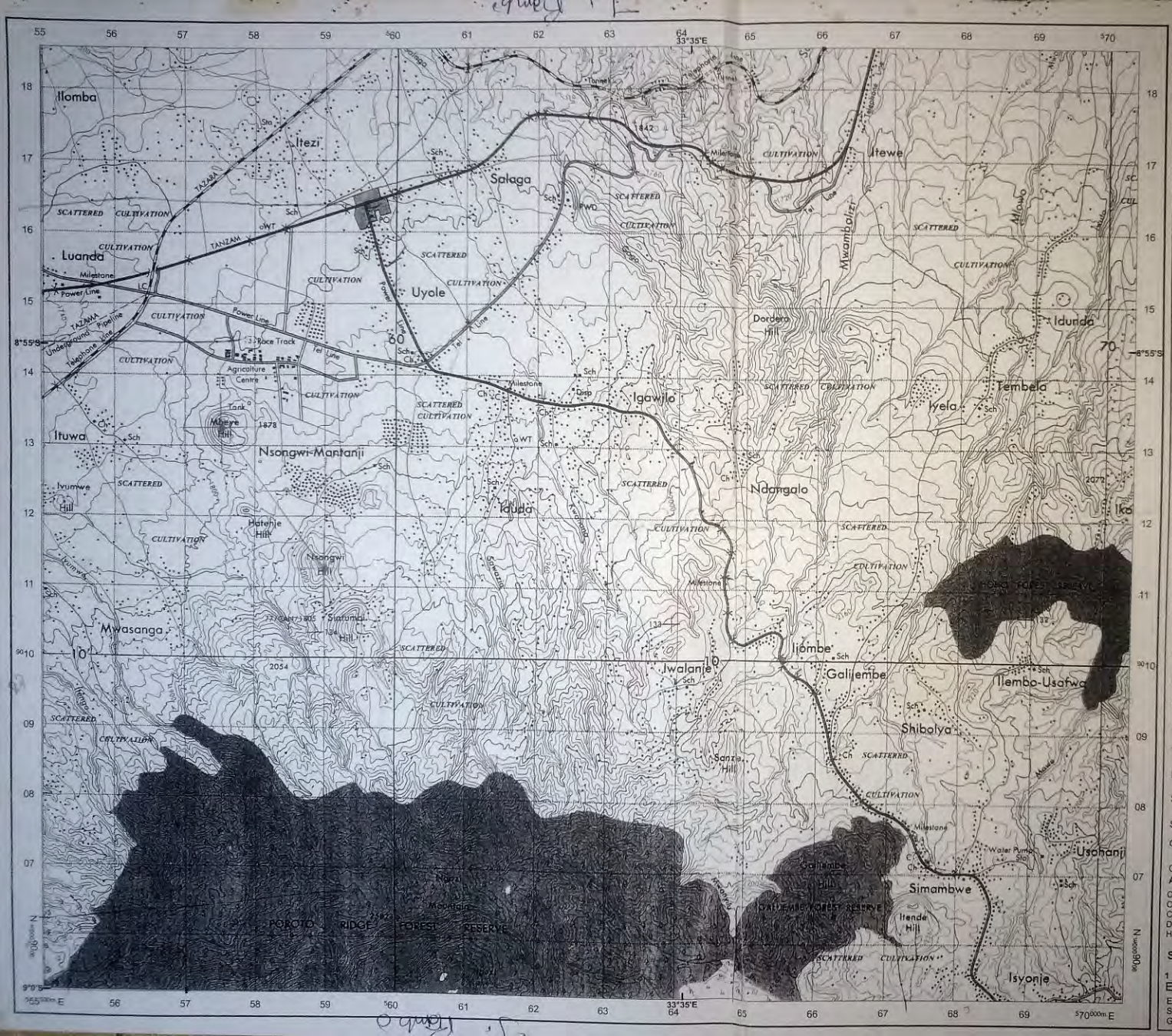
5. Explain the various processes involved in soil formation

6. With specific examples, enumerate nine importances of rivers in Africa.

7. Discuss the environmental impacts of greenhouse effect and global warming.

8. Justify the sphericity of the planet earth with vivid evidences.

9. Classify igneous rocks according to the place of occurrence and the chemical composition.



UYOLE 2012 Sheet 245/3

- Town or area with permanent buildings
- Other populated area, Houses
- All Weather Road Bound Surface — Road No.
- All Weather Road Loose Surface
- Dry Weather Road — Culvert, Bridge
- Main Track (Motorable)
- Other Track and Footpath
- Cut Line
- Railway, Siding, Station, Level Crossing — Sta, LC
- Airfield Runway
- TelephoneLine
- Power Line
- Crater
- Steep Slope
- Spot Heights (in metres) — 204
- Contours (V.I 20m) — Depression — 200, 180, 160
- Air Photo Principal Point with Film No. — JICA/91, 878-5
- 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, Wattle W, Cashew Nut CN) — C
- 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 Uyole Sheet 245/3
Series Y742, Edition 1-TSD/ Ministry of Lands
Government of the United Republic of Tanzania 1983