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 **Monday, 07th May 2018 p.m.**

Instructions

1. This paper consists of sections A and B with a total of **nine (9)** questions.
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 Mbeya (sheet 244/4) is provided.
6. Non programmable calculators may be used.
7. Cellular phones and any unauthorized materials 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. Carefully study the map extract of Mbeya (sheet 244/4) provided and then answer the following questions:

   (a) Calculate the area covered by Mbeya Forest Reserve.

   (b) What factors are likely to have influenced the location of Mbeya town?

   (c) Identify the types and distribution of vegetation cover.

   (d) In **not** less than two points for each, comment on:

      (i) Land use.

      (ii) Settlement pattern.

      (iii) Relief.

      (iv) Rock types.

   (e) Identify three ways that have been used to show relief.

2. The following table shows population distribution of Tanzania's 2012 Population Census in five year age groups.

Age Group	Male	Female
0-4	3,637,982	3,635,850
5-9	3,333,835	3,325,202
10-14	2,892,583	2,900,004
15-19	2,238,976	2,369,860
20-24	1,793,053	2,160,986
25-29	1,548,762	1,843,732
30-34	1,380,068	1,529,610
35-39	1,182,651	1,258,301
40-44	944,033	955,081
45-49	718,372	787,547
50-54	607,361	603,666
55-59	392,104	381,736
60-64	380,223	390,494
65-69	238,972	253,864
70-74	226,484	251,346
75-79	144,643	147,489
80+	209,888	264,165

(a) Prepare a bar graph to show the age and sex structure of the population by percentages.

(b) Briefly comment on the nature of the shape of the age and sex structure drawn in (a).

3. Differentiate the following pairs of field research technical terms:
   (a) Field work and field research.

   (b) Research method and research methodology.

   (c) Null hypothesis and alternative hypothesis.

   (d) Objectivity in field research and objectives of field research.

   (e) Quantitative research and qualitative research.

4. Carefully study the photograph below and then answer the questions that follows:



   (a) What type of photograph is this?

   (b) Identify three types of economic activities which are carried out in the area. Give evidence for each activity.

   (c) Give four factors which might have influenced the economic activities mentioned in (b).

   (d) Giving a reason, identify two environmental problems which are likely to face the area.

   (e) At what time was the photograph taken? Give reasons for your answer.

(f) Identify the activity which is taking place in the photograph. Give a reason for your answer.

SECTION B (60 Marks)

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

5. Using relevant examples,

   (a) describe four major characteristics of karst scenery.

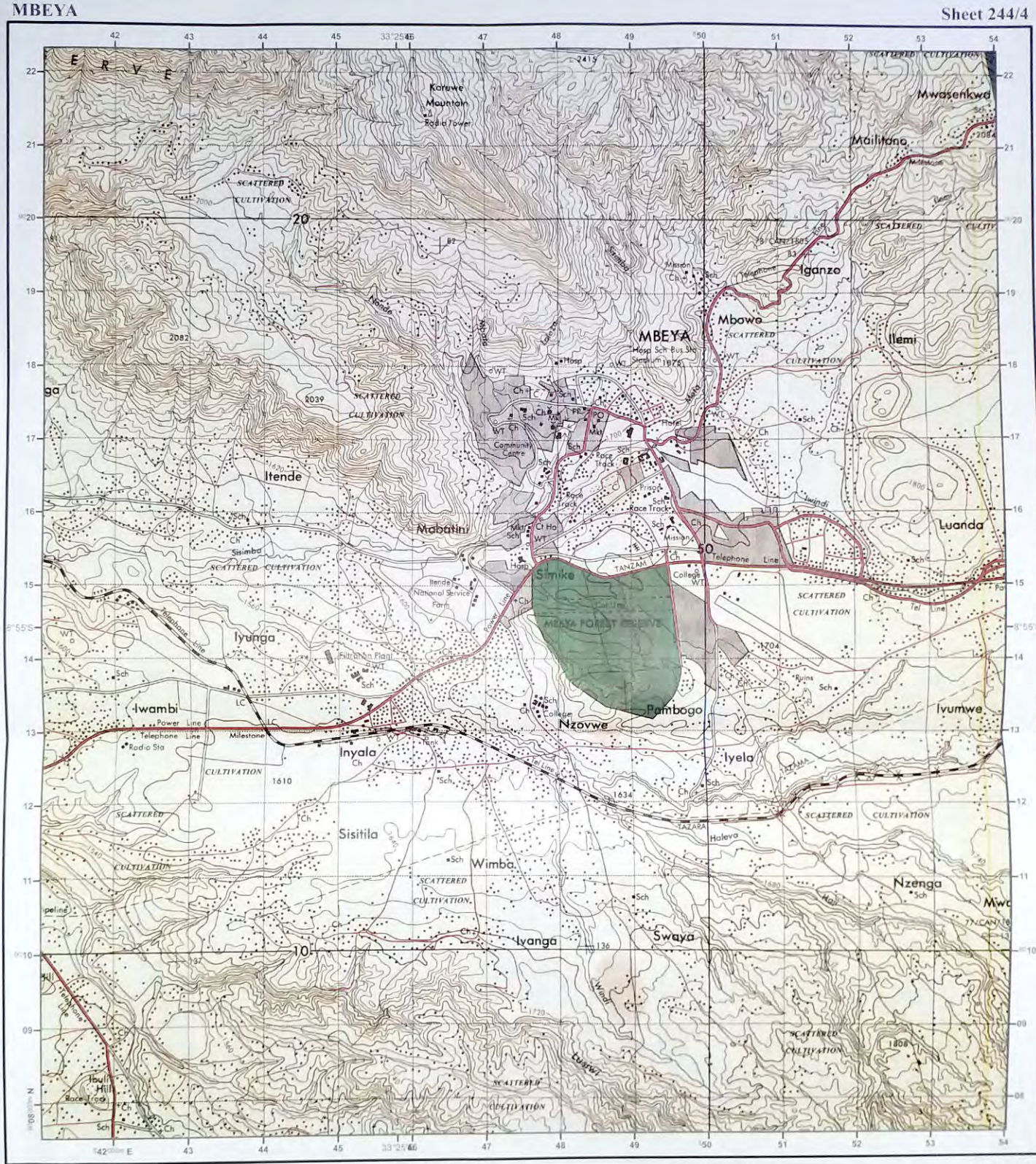
   (b) explain six factors influencing the existence of underground water.

6. Examine five causes of temperature inversion and give its three effects.

7. Account for three theories explaining the occurrence of coral reef and atoll.

8. Examine four layers of the atmosphere and in each give three characteristics.

9. Describe the nature, spatial distribution and significance of Fold Mountains.



Extract from Mbeya, Sheet 244/4
Series Y742, Edition 1 – TSD, Ministry of Lands,
Government of the United Republic of Tanzania, 1983

HEIGHTS IN METRES

Scale 1: 50,000

1 0.5 0 1 2 3 Kilometers

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
Railway, Siding, Station, Level Crossing
Railway Light
Airfield Runway: Bound
Telephone Line
Telephone Line along Road
Antiquity
Mineral Workings
Mosque, Church
Contours (V.I. 20m) Depression
Boundaries: International, Regional, District, Municipality/Township
Forest
Thicket
Bamboo
Plantation (Coffee C, Palm Sisal S, Sugar Su, Wattle W
Woodland
Scrub
Scattered Trees
Palm Trees
Mangrove Swamp
Tree Swamp
Papyrus Swamp, Marsh, Bogs
Seasonal Swamp
Borehole, Waterhole, Well, Spring

ABBREVIATIONS

CBP	Cotton Buying Post
Ch	Church
CtHo	Court House
DC	District Commissioner
Disp	Dispensary
HC	Health Center
Hosp	Hospital
Mkt	Market
M	Mission
MoW	Ministry of Works
Mosq	Mosque
PO	Post Office
PP	Police Post
PS	Police Station
RH	Rest House
Sch	School
T	Telephone
TG	Telegraph