

**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, 07<sup>th</sup> May 2018 p.m.**

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**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).

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## 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:



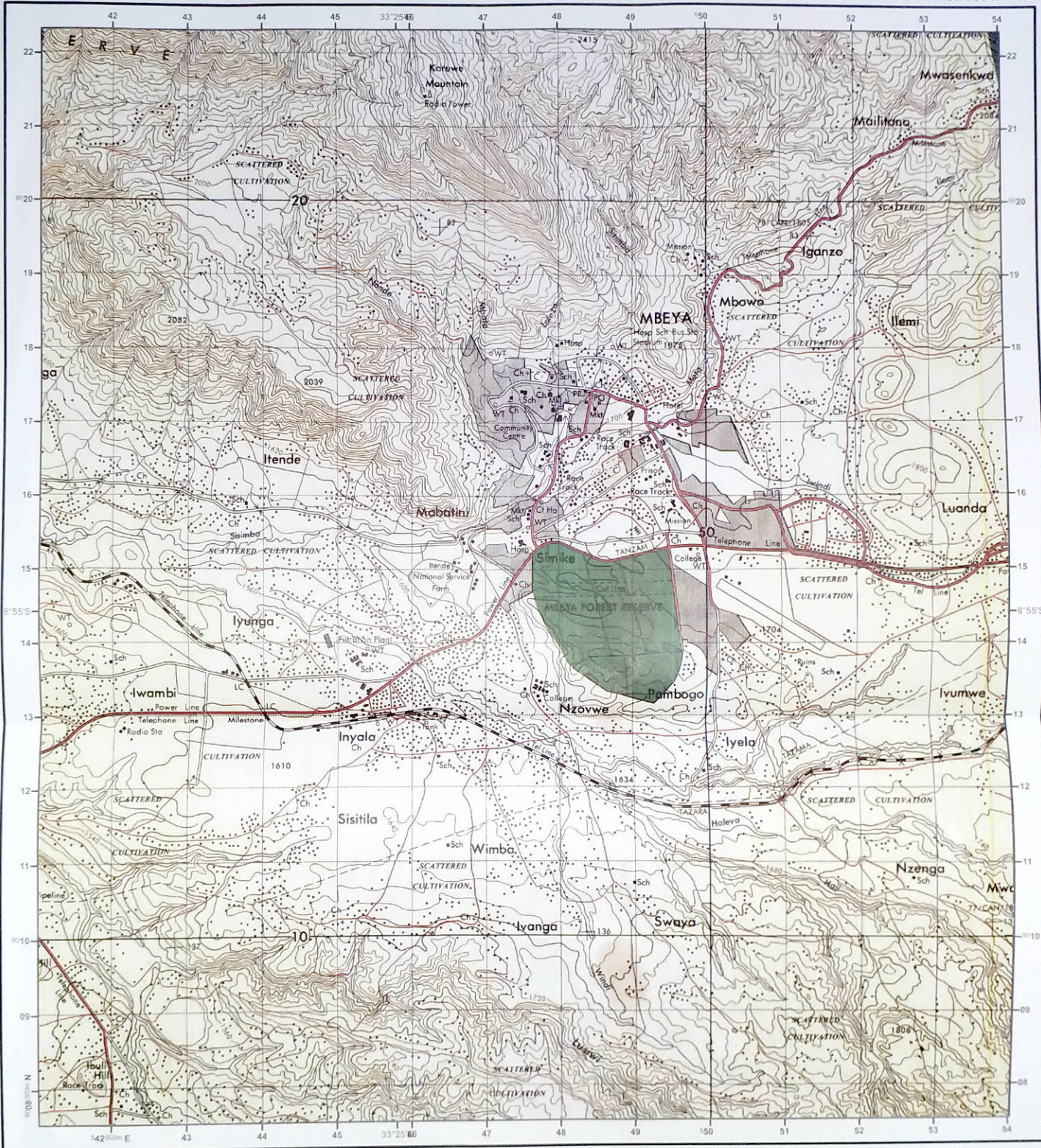
- (a) What type of photograph is this?
- (b) Identify three types of economic activities which are carried out in the area. Give evidence for each activity.
- (c) Give four factors which might have influenced the economic activities mentioned in (b).
- (d) Giving a reason, identify two environmental 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  
 Scale 1: 50,000

Town or area with Permanent Buildings	Telephone Line	Bamboo			<b>ABBREVIATIONS</b> CBP Cotton Buying Post Ch Church CHo 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
Other Populated Area, Houses	Telephone Line along Road	Plantation (Coffee C, Palm Sisal S, Sugar Su, Wattle W)			
All Weather Road: Bound Surface	Antiquity	Woodland			
All Weather Road: Loose Surface	Mineral Workings	Scrub			
Dry Weather Road	Mosque, Church	Scattered Trees			
Main Track (Motorable)	Contours (VI.20m) Depression	Palm Trees			
Other Track and Footpath	Boundaries: International	Mangrove Swamp			
Railway, Siding, Station, Level Crossing	Boundaries: Regional	Tree Swamp			
Railway Light	Boundaries: District	Papyrus Swamp, Marsh, Boge			
Airfield Runway: Bound	Boundaries: Municipality/Township	Seasonal Swamp			
	Forest				
	Thicket				