

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

113/1

## GEOGRAPHY 1

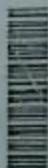
**(For Both School and Private Candidates)**

Time: 3 Hours

Tuesday, 05<sup>th</sup> 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  $\text{km}^2$ .
  - (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.
2. Describe the types and characteristics of measures of central tendency.
3. (a) Explain five techniques for analyzing ground photograph.
  - (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.

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

- 8. With examples, examine eight values of rocks to human kind.
- 9. Describe the composition of the atmosphere and its functions to the universe.